

Brief Profile and Report of Activities for the Financial Year 2023-2024

(01 April 2023 to 31 March 2024)



Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI)

[FORMERLY KNOWN AS RAMAKRISHNA MISSION VIVEKANANDA UNIVERSITY]

(Declared by Govt. of India as **Deemed University** under Section 3 of UGC Act, 1956)

PO Belur Math, Dist Howrah 711202, West Bengal, India



Main & 'Off-Campus' Centres



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CONTENT

Sl	Item	Page
1)	Brief Profile of the University.....	1
2)	Department of Physics, Belur Campus.....	8
3)	Department of Mathematics, Belur Campus.....	15
4)	Department of Computer Science, Belur Campus.....	22
5)	Division of Computer Science, Coimbatore Campus.....	30
6)	Department of Sports Science and Yoga, Belur Campus.....	32
7)	Department of Sanskrit and Philosophy, Belur Campus.....	37
8)	Faculty Centre: Integrated Rural Development and Management, Narendrapur Campus	85
9)	Faculty Centre: Agriculture, Rural and Tribal Development, Ranchi Campus	119
10)	Faculty Centre: Agriculture, Rural and Tribal Development, Coimbatore Campus	146
11)	Faculty Centre: Faculty of Disability Management and Special Education (FDMSE), Coimbatore Campus	149
12)	Faculty Centre: Faculty of General & Adapted Physical Education and Yoga (GAPEY), Coimbatore Campus	166
13)	Centres of Inter-Disciplinary, Trans-Disciplinary Study and Research.....	201
14)	Extension Activities: Certificate Courses in Indian Spiritual Heritage.....	238
15)	Extension Activities: Vivekdisha Project.....	240
16)	Extension Activities: Sasya Shyamala Krishi Vigyan Kendra.....	249
17)	Extension Activities: Dhaanyaganga Krishi Vigyan Kendra.....	281
18)	Extension Activities: LokaSiksha Parishad	313
19)	Swami Abhedananda Chair Activities and Project Activities.....	354

COMPREHENSIVE ANNUAL REPORT OF THE UNIVERSITY – 2023-2024

Brief Profile of the University

Swami Vivekananda prophesied on the eve of his passing away on 4 July 1902 that “the spiritual wave that has come to Belur [Math] will last for fifteen hundred years and it shall be a great University. Do not think I imagine it; I see it.” He also said on the very last day of his life in the mortal frame that: “Keeping the ancient Indian spiritual ideal and rooted in it, and blending it harmoniously with modern science and technology, we should establish a University at Belur Math.” This University therefore, bearing Swami Vivekananda’s hallowed name is a humble attempt by Ramakrishna Mission to actualize his vision.

Vision and Mission of the University:

Vision:

To be a great centre of learning blending the two sciences—‘natural and humanistic’—and harmoniously synthesizing the twin excellence of ancient Indian wisdom and modern scientific knowledge and technological skill, imparting life-building, character-making education to the youths for their individual improvement as well as for the collective good as envisioned by Swami Vivekananda.

Mission:

- (Pursuit of Excellence) To strive for excellence in teaching, research and all academic endeavors.
- (Blending of Eastern and Western values) To inculcate ancient Indian values like Shraddha (unshakable conviction), purity, truth, selflessness, harmony and peace, blending them with predominantly western values like scientific temper, rational outlook, technological efficiency, teamwork, professional integrity, work ethics, etc., in order to create a band of educated youth with lofty character and integrated personalities with harmonious development of heart, head and hand—faculties of feeling, thinking and willing—bhakti, jnana and karma with yoga or concentration interpenetrating all these.
- (Social responsibility) To train and educate the youth to become socially responsible citizens to collectively rebuild a rejuvenated, glorious India by first of all building an impeccable, lofty character at the individual level.

Thrust Areas of the University:

The various ‘thrust areas’ of the University have been chosen keeping in mind the above vision of Swami Vivekananda. The motivation for the choice of the ‘thrust areas’ came essentially from the following considerations:

(1) These 'thrust areas' are in a sense 'gap areas' in the sense that these areas receive little attention in most of the conventional Universities in India.

(2) These 'thrust areas' are meant to directly benefit the common man, particularly the underprivileged and the rural/tribal sections of the society, thereby fostering social commitment of higher education institutions in India as taught by Swami Vivekananda (which aspect, interestingly, the MHRD and the UGC have recently begun to emphasize).

(3) The Ramakrishna Mission has developed a high degree of expertise and a huge infrastructure and resources at least in some of these areas over several decades of its educational service.

(4) Fundamental science education and research was pioneered in India by Swami Vivekananda by inspiring Sir Jamshedji Tata to start an Institute to impart science education and to promote science research in India, the outcome of this inspiration being the well-known Indian Institute of Science.

The 'thrust areas' are operationalized through Specialized Faculty Centres located at various Ramakrishna Mission Centres (all of which are branch-Centres of Ramakrishna Mission headquartered at Belur Math) which have developed expertise in these areas. These Centres are 'Off-Campus' Centres approved by UGC/MHRD as required by UGC Regulations for Deemed-to-be-Universities.

As of now, the University has the following Campuses housing the Specialized Faculties devoted the various 'thrust areas' with the approval of UGC/MHRD:

(1) **Belur Main Campus:** Mathematical Sciences (Physics, Mathematics, Computer Science), Indian Heritage (Sanskrit, Indian spiritual heritage, yoga, classical music), Sports Science & Yoga.

(2) **Coimbatore Campus:** Disability Management and Special Education, General & Adapted Physical Education, Agriculture and Rural Development, Computer Science and Applications, Data Science.

(3) **Ranchi Campus:** Integrated Rural & Tribal Development and Management, Agricultural Sciences.

(4) **Narendrapur Campus:** Agriculture, Rural Development and Management, Agricultural Bio-technology, Medical Biotechnology, Molecular Biology, Pharmacognosy, Environment and Disaster Management.

This multi-campus University, established under the aegis of Ramakrishna Mission, was formally inaugurated on 4 July 2005. Declared as Deemed-to-be-University by the then Ministry of Human Resource Development, now called Ministry of Education, Government of India, under Section 3 of UGC Act, 1956, the University has its Head Office at Belur. It runs academic programmes at its Belur main campus as well as at its approved 'Off-Campus' Centres located at the Ramakrishna Mission Centres at Coimbatore (Tamil Nadu), Narendrapur (West Bengal), Ranchi (Jharkhand), and Swami Vivekananda's Ancestral House and Cultural Centre in Kolkata.

DETAILS OF THE ACADEMIC PROGRAMMES IN THE VARIOUS CAMPUSES:

Belur Main Campus:

- M. Sc. (2 years = 4 semesters) in Physics, Mathematics, Computer Science, Big Data Analytics, Yoga, and Sports Science
- Ph. D. (3-4 years) in Physics, Mathematics, Computer Science, Sanskrit & Philosophy, Yoga and Sports Science
- 5-year (10 semesters, 4 yr BA Hons + 1 yr MA) Integrated M.A. in Sanskrit
- 5-year (10 semesters, 3 yr BA Hons + 2 yr MA) Integrated M.A. in Sanskrit
- MA (2 years = 4 semesters) in Sanskrit Online Programme
- Certificate courses (6 months) in Sanskrit (Preliminary, Intermediate and Advanced, and Laghusiddhāntakaumudī (PaniniyaPravesh), Siddhanta Kaumudi (Paniniya Pravesh), Sanskrit Adhyayana-1: Bharatiya Jnana Parampara Adhyayana and Samskrita-Shastradhyana-1: Bharatiya Jnana Parampara Adhyayana.
- Certificate courses (once/twice a week for one/two years) in Indian Spiritual Heritage, Yoga, Vedanta and other ancient scriptures, Ramakrishna-Sarada-Vivekananda literature.

Narendrapur Campus:

- M. Sc. (2 years = 4 semesters) in Agriculture and Rural Development, Agricultural Bio-technology, Genetics and Plant Breeding, Medical Biotechnology, Agronomy, Medical Laboratory Sciences and Technology, Critical Care Science and Technology and Environment and Disaster Management.
- Ph. D. (3-5 years) in Agriculture and Rural Development, Agricultural Bio-technology, Medical Biotechnology, Agronomy, Genetics & Plant Breeding and Environment and Disaster Management.
- Post Graduate Diploma (1 year = 2 semesters) Post Harvest and Food Technology
- Diploma Course (1 year = 2 semesters) in Integrated Agriculture.

Ranchi (Morabadi) Campus:

- 5-year (=10 semesters) Integrated M. Sc. in Agriculture, Rural and Tribal Development
- Ph. D. (3-5 years) in Agriculture, Rural and Tribal Development and Rural Development

- M. Sc. (2 years = 4 semesters) in Agriculture, Rural & Tribal Development and in Rural Development & Management
- MA/M.Sc. (2 years = 4 semesters) in Rural Development and Management
- B. Voc. in Sustainable Agriculture (3 years = 6 semesters)
- B. Sc. (Hons.) in Agriculture (4 years = 8 semesters)
- Post-Graduate Diploma (1 year = 2 semesters) in Rural Development Practices
- Diploma (1 year = 2 semesters) in Organic Farming and Agriculture and Rural Development

Coimbatore Campus:

- B. Ed. (2 years = 4 semesters) in Special Education (Visual Impairment, Hearing Impairment, Intellectual Disability)
- M. Ed. (2 years = 4 semesters) in Special Education (Visual Impairment, Hearing Impairment, Intellectual Disability)
- Integrated B. Ed. - M. Ed. (2 years = 4 semesters) in Intellectual Disability
- Ph. D. (4-6 years) in Special Education and Physical Education
- B. Sc. (3 years = 6 semesters) in Physical Education, Health Education and Sports
- B. Sc. (Hons.) in Agriculture (4 years = 8 semesters)
- B. P. Ed. (2 years = 4 semesters) and M. P. Ed. (2 years = 4 semesters) in Physical Education
- M.Sc/M.A (2 years = 4 semesters) in Rural and Tribal Development, Data Science, Rural Development and Management
- Integrated B.Sc/M.Sc in Rural and Tribal Development
- Integrated M.Sc (5 years = 10 semesters) in Computer Science Applications
- Diploma (2 years = 4 semesters) in Indian Sign Language Interpretation (D.I.S.L.I)

MEMBERS OF EXECUTIVE COUNCIL
(PREVIOUSLY KNOWN AS 'BOARD OF MANAGEMENT')

S. No.	Composition as per UGC Guidelines	Present Incumbent
1	Vice Chancellor	Swami Sarvottamananda
2	Two Deans of Faculties	Prof. Tapash Dasgupta
3		Dr. N. Muthaiah
4	One Professor, who is not a Dean	Prof. Sukumar Adhikari
5	One Associate Professor	Dr. Abhijit Bandyopadhyay
6	One Assistant Professor	Dr. Gautam Chatterjee
7	Four nominees of the sponsoring Society	Swami Bodhasarananda
8		Swami Atmapriyananda
9		Dr. A. Santhosh Mathew, IAS (Retd.)
10		Dr. P.G. Dhar Chakrabarti, IAS (Retd.)
11	Three eminent academicians as nominated by the Chancellor	Dr. Bimal Roy
12		Prof. Shrinivasa Varakhedi
13		Dr. Santanu Kumar Bandyopadhyay
14	Registrar (Ex-officio Secretary)	Swami Kaleshanda

KEY STATISTICS OF THE UNIVERSITY FOR 2023-2024

S. No.	Item	No.
1	Off-campus centres	3
2	Students on roll (core programmes)	1580
3	No. of Teachers	121
4	No. of non-teaching staff	244
5	No. of UG programmes	6
6	No. of Integrated PG programmes	4
7	PG programmes	21
8	No. of Integrated Ph.D. programmes	1
9	Ph.D. programmes	17
10	P. G. Diploma/ Diploma programmes	6
11	Krishi Vigyan Kendra – A Project Of ICAR	2
12	LokaSiksha Parishad – An Integrated Rural Development Project	1

SPECIAL FEATURE OF THE UNIVERSITY:

A harmonious blend of spiritual wisdom of the East and modern scientific and technological knowledge of the West

The vision of the University is, as stated earlier, the actualization of Swami Vivekananda's educational vision, namely, to impart 'man-making' and character-building education to the youths so that they would not be only acquire knowledge and skills, but also become men and women of character, possessed of the qualities of integrity, truthfulness, honesty, purity, selflessness, feeling for the suffering and the underprivileged, etc. Further, Swami

Vivekananda wanted the blend of the ancient moral and spiritual wisdom of the East—the humanistic sciences—with the modern scientific and technological knowledge of the West—the natural sciences. The Deemed University is striving to achieve this unique blend by setting up two Schools: The School of Indian Heritage and School of Mathematical Sciences side by side so that scholars well versed in both could be created in a natural way by proximity and continuous exchange of ideas. The University is also trying to seriously explore the realization of Ramakrishna-Vivekananda ideal of Religious Harmony and Peace, as articulated by Swami Vivekananda in his famous two lectures: ‘The Ideal of Universal Religion’ and ‘The Way to the Realization of a Universal Religion’ through an institution for the study of and research into comparative religion and philosophy in its most liberal and widest form, through research programmes and the institution of Vivekananda Chair in Comparative Philosophy and Universal Religion.

NAAC ACCREDITATION AND OTHER RECOGNITIONS:

In recognition of our unique thrust areas to create the human resource in the form of trained teachers for disability management, UNESCO has honoured us by creating a Chair in the field of ‘Inclusive Adapted Physical Education and Yoga’ to promote this unique area. Also, in recognition of our social commitment, the University has been awarded full membership of an organization called GUNI (Global University Network for Innovation), a Europe-based global organization networking Universities across the globe working with social commitment.

The National Assessment and Accreditation Council (NAAC) has awarded the University the highest grade of A++ with Cumulative Grade Point Average (CGPA) 3.66 out of 4. The A++ accreditation will be valid up to 28 March 2024.

NAME OF THE DEPARTMENT: PHYSICS

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Abhijit Bandyopadhyay	Associate Professor
2	Amitava Bhattacharyaa	Assistant Professor
3	Anwasha chattopadhyay	Assistant Professor
4	Biswajit Chakraborty	Professor
5	Bobby Ezhuthachan	Assistant Professor
6	Br. Aditya	Assistant Professor
7	Br. Atreya	Assistant Professor
8	Debasish Majumdar	Professor
9	Sabyasachi Tarat	Assistant Professor
10	Sanjoy Biswas	Assistant Professor
11	Sindhunil Barman Roy	Distinguished Professor
12	Tapan Kumar Nandi	Honorary Professor

NEW PROGRAMMES / COURSES STARTED IN THE YEAR

Name of the courses started in the year :

- Artificial Intelligence in Physics
- Quantum Computation and Information
- Astro-Particle Physics

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	MSc in Physics	28
2	PhD in Physics	6
Total		34

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	MSc Physics	31
2	PhD Physics	0
Total		31

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR**DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:**

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
1	Arka Bhattacharyya	MSc Physics	RKMVEI, Belur	PhD Physics
2	Arkaprava Dey	MSc Physics	UGC DAE-CSR, Indore	PhD Physics
3	Debanjan Dey Sarkar	MSc Physics	ISI, Kolkata	PhD Physics
4	Debjani Niyogi	MSc Physics	CGCRI, Kolkata	PhD Physics
5	Rahul Metya	MSc Physics	ICTS-TIFR, Bengaluru	PhD Physics

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
6	Rahul Roy	MSc Physics	RKMVERI, Belur	PhD Physics
7	Santu Kumar Manna	MSc Physics	IISER, Berhampur	PhD Physics
8	Sutirtha Paul	MSc Physics	University of Tennessee, Knoxville.	PhD Physics
9	Vishal Khan	MSc Physics	IIT, Hyderabad	PhD Physics

DETAILS OF STUDENTS PLACED:

S. No.	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
1	Dharmaraj Guin	MSc Physics	Nucleus Software Exports private limited, Noida, Delhi	2023

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of Current Ph. D. Scholars	Name of Supervisor
1	Biswajit Jana	Abhijit Bandyopadhyay
2	Kumar Raviranjana	Abhijit Bandyopadhyay
3	Siddhartha Dutta	Abhijit Bandyopadhyay
4	Sujoy Mondal	Abhijit Bandyopadhyay
5	Tathagata Roy	Abhijit Bandyopadhyay
6	Arnab Kanti Jana	Amitava Bhattacharyya
7	Akshay Panda	Anwasha Chattopadhyay
8	Baishali Roy	Bobby Ezhuthachan

S. No.	Name of Current Ph. D. Scholars	Name of Supervisor
9	Rahul Roy	Bobby Ezhuthachan
10	Somnath Porey	Bobby Ezhuthachan
11	Harsharaj Bhattacharya	Sabyasachi Tarat
12	Arka Bhattacharyya	Sanjoy Biswas
13	Krishna Tewary	Sanjoy Biswas
14	Shivam Verma	Sanjoy Biswas

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of Publications in Journals and Books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	Abhijit Bandyopadhyay	Investigating the accelerated expansion of the Universe through updated constraints on viable $f(R)$ models within the metric formalism	Monthly notices of the Royal Astronomical Society	1365-2966
2	Abhijit Bandyopadhyay	Observational constraints on non-minimally coupled curvature-matter models of gravity from the analysis of Pantheon data	Classical and Quantum Gravity	1361-6382
3	Abhijit Bandyopadhyay	Dynamics of viable $f(R)$ dark energy models in the presence of curvature-matter interactions	The European Physical Journal C	1434-6052
4	Amitava Bhattacharyya	Superconducting Gap Structure of Filled Skutterudite $LaOs_4As_{12}$ Compound through Magnetochemistry	Magnetochemistry	2312-7481

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
		y μ SR Investigations		
5	Anwasha Chattopadhyay	Strong Hilbert space fragmentation via emergent quantum drums in two dimensions	SciPost Physics	2542-4653
6	Biswajit Chakraborty	Symmetries of κ -Minkowski space-time: a possibility of exotic momentum space geometry?	Journal of High Energy Physics	1029-8479
7	Bobby Ezhuthachan	Brane detectors of a dynamical phase transition in a driven CFT	SciPost Physics	2542-4653
8	Sabyasachi Tarat	Universality and critical exponents of the sign problem	Physical Review B	2469-9950
9	Sanjoy Biswas	Exploring maverick top partner decays at the LHC	Physical Review D	2470-0010
10	Sanjoy Biswas	Associated production of Higgs and single top at the LHC in presence of the SMEFT operators Journal of High Energy Physics	Journal of High Energy Physics	1029-8479

DETAILS OF SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES / SYMPOSIUMS HOSTED / ORGANISED DURING THE YEAR

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
1	5 April 2023	Entanglement in QFT by Vinay Malvimat
2	17 May 2023	Tidal Heating : Hunt For The Horizon by Dr. Sayak Dutta
3	23 August 2023	A de Sitter anecdote: Can sub-leading corrections be consistently ignored?' by Dr Dibya Chakraborty

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
4	17 October 2023	Exploratory synthesis and novel magnetism of magnetically frustrated systems and magnetic topological materials' by Dr Santanu Pakhira
5	3 November 2023	Tale of the loss landscape in machine learning and black holes ' by Dr. Taniya Mandal
6	30 November 2023	Thermodynamic tradeoffs constrain decision-making of nonequilibria in the human brain' by Dr. Debraj Das
7	18 November 2024	Physics Meets Biology: The Computational Microscope Perspective ' by Abhik Ghosh Moulick
8	29 January 2024	Some aspects of the physics of dark matter particles' by Prof. Biswarup Mukhopadhyaya
9	7 February 2024	When Sky meets Laboratory with Gravitational Waves, Primordial Black Holes and Colliders' by Dr. Anish Ghosha
10	9 February 2024	Phase transitions as origin of primordial black holes and their signatures in gravitational waves' by Dr. Ujjal Kumar Dey
11	12 February 2024	Critical phenomena and Conformal Field theory' by Dr. Parijat Dey
12	1 March 2024	Scattering Amplitudes and Flat Space Holography by Dr. Partha Paul
13	19 March 2024	Primordial Relics from Inflation: Dark Matter, Dark Radiation and Baryon Asymmetry.' by Shiladitya Porey

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

S. No.	Investigator (staff)	Name of the project & other details	Funding Agency
1	Amitava Bhattacharyya	Understanding Honeycomb Layered Oxides Unconventional Magnetism	UGC-DAE CSR
2	Amitava Bhattacharyya	Quantitative probing of spin-driven multiferroicity and microstructural tuning of	SERB POWER Grant

S. No.	Investigator (staff)	Name of the project & other details	Funding Agency
		magnetolectric coupling inoxygendeficient perovskites BaRFeO ₄ and RBaCuFeO ₅ (R=rare-earth)	
3	Bobby Ezhuthachan	Dynamics and Chaos in strongly coupled QFT: Deformations and Boundaries	Core Research Grant
4	Amitava Bhattacharyya	Design and discovery of quantum materials with emergent properties and potential applications in energy-related technologies	SERB

NAME OF THE DEPARTMENT: MATHEMATICS

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Amit Samanta	Assistant Professor
2	Ashish Gupta	Associate Professor
3	Br. Dripta	Assistant Professor
4	Debaldev Jana	Associate Professor
5	S Ilangovan	Associate Professor
6	Sagnik Chakraborty	Assistant Professor
7	Shameek Paul	Assistant Professor
8	Stephan Bair	Professor
9	Sukumar Das Addikari	Professor

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	MSc in Mathematics	29
2	PhD in Mathematics	1
Total		30

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	MSc in Mathematics	27
2	PhD in Mathematics	2
Total		29

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR**DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:**

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
1	Amlan Sinha	MSc Mathematics	Indian Institute of Technology, Indore	PhD in Mathematics
2	Debanwita Hajra	MSc Mathematics	Indian Statistical Institute, Kolkata	MTech
3	Kishalay Sarkar	MSc Mathematics	Indian Statistical Institute, Kolkata	PhD Mathematics
4	Sohini Mukherjee	MSc Mathematics	Stony Brook, New York	PhD Mathematics
5	Sourajyoti Maity	MSc Mathematics	University of Connecticut	PhD Mathematics

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of Current Ph. D. Scholars	Name of Supervisor
1	Soumendu Nandy	Dr. Ashish Gupta
2	Sanu Bera	Dr. Ashish Gupta
3	Sirajul Haque	Dr. Ashish Gupta
4	Sugata Mandal	Dr. Ashish Gupta
5	Snehashis Mukherjee	Dr. Ashish Gupta
6	Priyanka Basak	Dr. Debaldev Jana
7	Kanoy Kumar Das	Dr. Sagnik Chakraborty
8	Aishik Chattopadhyay	Dr. Sagnik Chakraborty
9	Krishnendu Paul	Dr. Shameek Paul
10	Santanu Mondal	Dr. Shameek Paul
11	Saikat Goswami	Dr. Shameek Paul
12	Susmita Seal	Prof. Stephan Baier
13	Madhuparna Pal	Prof. Stephan Baier
14	Sourav Das	Prof. Stephan Baier
15	Anup Halder	Prof. Stephan Baier
16	Arkaprava Bhandari	Prof. Stephan Baier
17	Esrafil Ali Molla	Prof. Stephan Baier
18	Md Ibrahim Molla	Prof. Sukumar Das Adhikari
19	Shruti Shreepati Hegde	Prof. Sukumar Das Adhikari
20	Lawande Shital Sanjay	Prof. Sukumar Das Adhikari

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of Publications in Journals and Books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	Dr. Ashish Gupta	On zeroes of polynomials and infinite series with some bounds	Dynamic Systems and Applications	1056-2176
2	Dr. Shameek Paul	On a different weighted zero-sum constant	Discrete Mathematics	0012-365X
3	Dr. Shameek Paul	Extremal sequences related to the Jacobi symbol	Integers	1553-1732
4	Dr. Shameek Paul	On unit-weighted zero-sum constants of Z_n	Integers	1553-1732
5	Dr. Shameek Paul	Zero-sum constants related to the Jacobi symbol	Journal of Integer Sequences	1530-7638
6	Prof. Stephan Baier	Solutions of $x_1^2+x_2^2-x_3^2=n^2$ with small x_3	The Ramanujan Journal	1572-9303
7	Prof. Stephan Baier	Diophantine approximation with prime denominator in real quadratic function fields	Finite Fields and their Applications	1071-5797
8	Prof. Stephan Baier	A Bombieri-Vinogradov-type theorem for moduli with small radical	Acta Arithmetica	1730-6264
9	Sanu Bera, Snehashis Mukherjee	PI degree of quantized Weyl algebras	Proceedings - Mathematical Sciences	0973-7685
10	Sanu Bera, Snehashis Mukherjee	Dipper Donkin Quantized Matrix Algebra and Reflection Equation	Algebras and Representation Theory	1572-9079

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
		Algebra at Root of Unity		
11	Susmita Seal	Non-rough Norms and Dentability in Spaces of Operators	Mediterranean Journal of Mathematics	1660-5454
12	Sirajul Haque	Integral Closure of Powers of Generalized Edge Ideals	Studia Scientiarum Mathematicarum Hungarica	
13	Amit Samanta	Uncertainty principle for Weyl transform and Fourier–Wigner transform	Colloquium Mathematicum	1730-6302
14	Snehashis Mukherjee	The Azumaya locus of certain quantum symplectic spaces	Communications in Algebra	1532-4125
15	Shruti S Hegde	Weighted zero-sum constants for p-groups	Proceedings of the Indian Academy of Sciences: Mathematical Sciences	0253-4142
16	Saikat Goswami	Automorphisms of extensions of Lie-Yamaguti algebras and inducibility problem	Journal of Algebra	0021-8693
17	Kanoy Kumar Das	Equality of Ordinary and Symbolic Powers of Some Classes of Monomial Ideals	Graphs and Combinatorics	1435-5914
18	Nilanjan Bag, Anup Haldar	Fourth power mean of the general s-dimensional Kloosterman sum mod p	Finite Fields and Their Applications	1090-2465

**DETAILS OF SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES /
SYMPOSIUMS HOSTED / ORGANISED DURING THE YEAR**

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
1	27 September 2023	An Introduction to Additive Combinatorics by Prof. R. Balasubramanian
2	16 January 2024	Together or individually: Ramanujan, primes and scientific thinking by Professor Olivier Ramare
3	29 January 2024	The Shimura map I [Series of lectures by Prof. B. Ramakrishnan]
4	29 January 2024	The Shimura map II [Series of lectures by Prof. B. Ramakrishnan]
5	30 January 2024	The Shimura map III [Series of lectures by Prof. B. Ramakrishnan]
6	19 February 2024	Groups : From a geometric point of view I [Lecture series by Dr. Oorna Mitra]
7	23 February 2024	Groups : From a geometric point of view II [Lecture series by Dr. Oorna Mitra]
8	27 February 2024	Groups : From a geometric point of view III [Lecture series by Dr. Oorna Mitra]
9	1 March 2024	Groups : From a geometric point of view IV [Lecture series by Dr. Oorna Mitra]
10	4 March 2024	Distinguished varieties in the polydisc and dilation of commuting contractions [Dr. Sourav Pal]
11	7 March 2024	Groups : From a geometric point of view V [Lecture series by Dr. Oorna Mitra]
12	15 March 2024	Groups : From a geometric point of view VI [Lecture series by Dr. Oorna Mitra]

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

S. No.	Investigator (staff)	Name of the project & other details	Funding Agency
1	Dr. Sagnik Chakraborty	Algebraic analogue of a result of Mumford	SERB-MATRICS
2	Dr. Amit Samanta	Three problems in Harmonic analysis : Zero priductToeplitz operators Uncertainty principle for Fourier-Wigner transform, Bochner-Riesz mean	SERB SURE

NAME OF THE DEPARTMENT:
COMPUTER SCIENCE, BELUR CAMPUS

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Swami Sarvottamananda	Vice Chancellor, Professor
2	Dr. Subir Kumar Ghosh	Professor
3	Swami Punyeshwarananda	Assistant Professor & Head of the Department
4	Swami Shastravidyananda	Assistant Professor
5	Swami Vidyapradananda	Assistant Professor
6	Br. Bhaswarachaitanya	Assistant Professor
7	Dr. Sudipta Das	Assistant Professor
8	Dr. Joydeep Mukherjee	Assistant Professor
9	Dr. Soumitra Samanta	Assistant Professor

NEW EQUIPMENTS ACQUIRED

GPU Workstation with 2 x MSI GeForce RTX 4090 worth Rs. 524,127 for the VECC project

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	MSc in Computer Science	10
2	MSc in Big Data Analytics	26
3	PhD in Computer Science	2
Total		38

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	MSc in Computer Science (CS)	17
2	MSc in Big Data Analytics (BDA)	24
Total		41

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
1	Udvas Das	MSc BDA	INRIA, France	PhD
2	Anupam Roy	MSc CS	IIT Kanpur	PhD
3	Aryak Sen	MSc CS	University of Grenoble Alps	PhD
4	Hardik Ghoshal	MSc CS	TU Dresden	MS
5	Kunal Bag	MSc CS	IIT Hyderabad	PhD

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
6	Pritam Mukherjee	MSc CS	TCG Crest, Kolkata	PhD

DETAILS OF STUDENTS PLACED:

S. No.	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
1	Anirban Chakraborty	MSc BDA	Ernst & Young	2023
2	S Aravind	MSc BDA	PrediQT	2023
3	Aritra Saha	MSc BDA	PrediQT	2023
4	Arnab Dutta	MSc BDA	Dr.Reddys	2023
5	Arpan Datta	MSc BDA	Vista Intelligence	2023
6	Debayan Dutta	MSc BDA	Ernst & Young	2023
7	Equbal Hossain	MSc BDA	PrediQT	2023
8	Kamal Budhory	MSc BDA	Dr.Reddys	2023
9	Kazi Jishan Zaman	MSc BDA	Dr. Reddy's	2023
10	Krishnakanta Maity	MSc BDA	Vista Intelligence	2023
11	Manjis Majumdar	MSc BDA	Vista Intelligence	2023
12	Nilabja Ghosh	MSc BDA	Vista Intelligence	2023
13	Prakash Samanta	MSc BDA	PrediQT	2023
14	Rajat Gaur	MSc BDA	Ernst & Young	2023
15	Ratul Chakraborty	MSc BDA	Abzooba UST	2023
16	Saikat Patra	MSc BDA	TCS	2023
17	Samrat Ghosh	MSc BDA	Ernst & Young	2023
18	Shibajee Sarkar	MSc BDA	Vista Intelligence	2023

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
19	Soumyajyoti Das	MSc BDA	Ernst & Young	2023
20	Srirup Mitra	MSc BDA	Vista Intelligence	2023
21	Subham Samanta	MSc BDA	Ernst & Young	2023
22	Subhojit Sarkar	MSc BDA	Ernst & Young	2023
23	Ujjwal Chowdhury	MSc BDA	Vista Intelligence	2023
24	Aadesh Das	MSc CS	Techno India prof in BBA.	2023
25	Arkadip Maitra	MSc CS	PrediQT	2023
26	Debopam Roy	MSc CS	Vista Intelligence	2023
27	Koustab Ghosh	MSc CS	ISI Kolkata PLP.	2023
28	Rajarshi Mandal	MSc CS	Zapscale	2023
29	Soumen Halder	MSc CS	Ernst & Young	2023

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of Current Ph. D. Scholars	Name of Supervisor
1	Tamojit Saha	Joydeep Mukherjee
2	Rajdeep Mandal	Soumitra Samanta
3	Suvajit Patra	Soumitra Samanta
4	Sukhendu Sarkar	Swami Punyeshwarananda
5	Subhankar Banarjee	Sudipta Das

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of the papers presented in conferences, seminars, etc. with date and teaching staff

S. No.	Name	Date	Title of the paper presented	Conference
1	Sudipta Das	24.11.23	Detection of Anomalous Behaviour of Aircraft Engines for Predictive Maintenance.	2023 7th International Conference on System Reliability and Safety (ICSRS)
2	Mukherjee, Joydeep, and Tamojit Saha.	Connected Vertex Cover on AT-Free Graphs	34th International Symposium on Algorithms and Computation, ISAAC, 2023, Kyoto, Japan	Print ISBN 978-3-031-34346-9 Online ISBN 978-3-031-34347-6

Details of Publications in Journals and Books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	Arun Kumar Das, Sandip Das, Joydeep Mukherjee	Approximation algorithms for orthogonal line centers	Discrete Applied Mathematics, Vol-338	https://doi.org/10.1016/j.dam.2023.05.014
2	Das, Sudipta, Debasis Sengupta, Rameshkumar Chandrasekharan, and Srirup Mitra.	"Detection of Anomalous Behaviour of Aircraft Engines for Predictive Maintenance."	In 2023 7th International Conference on System Reliability and Safety (ICSRS), IEEE, 2023.	Print ISBN 979-8-3503-0606-4 Online ISBN:979-8-3503-0605-7
3	Ramya Maitreyee, Gaurav Saxena, Bhuvana Narasimhan, Dipti Misra Sharma, Pruthwik Mishra, Rukmini Bhaya Nair, Soumitra	Children learn ergative case marking in Hindi using statistical pre-emption and clause-level semantics (intentionality):	In Open Research Europe, 2023	https://doi.org/10.12688/openreseurope.15611.2 ISSN: 2732-5121 (Online)

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
	Samanta, Ben Ambridge	evidence from acceptability judgment and elicited production studies with children and adults		

DETAILS OF SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES / SYMPOSIUMS HOSTED / ORGANISED DURING THE YEAR

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
1	23 Jun 2023	A seminar on careers in Computer Science and Data Science by Prof Anil Maheshwari, Carleton University
2	7 Aug 2023	CS & BDA orientation Programme for 1st year students
3	12 Aug 2023	Seminar on character and career building by Swami Dhyaganamyanda Maharaj
4	16 Aug 2023	Seminar on anti-ragging
5	23 Aug 2023	Chandrayan-3 -live telecast
6	5 to 9 Jan, 2024	Lecture series on Randomized Algorithms by Prof Sumit Ganguly, IIT Kanpur
7	12-13 Feb, 2024	CALDAM Indo-Slovenia Pre-Conference School on Algorithms and Combinatorics is organised jointly by IIT Bhilai and ACSDM at IIT Bhilai. (ACSDM:: Association for Computer Science and Discrete Mathematics is an academic body registered at RKMVERI and is administered by the Department of Computer Science, RKMVERI).

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
8.	15-17 Feb, 2024	The 10th International Conference on Algorithms and Discrete Applied Mathematics is organised jointly by IIT Bhilai and ACSDM at IIT Bhilai.
9	28 Feb 2024	Seminar on The journey of random matrices by Prof. Arijit Chakrabarty, ISI Kolkata

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

S. No.	Investigator (staff)	Name of the project & other details	Funding Agency
1	Soumitra Samanta	A two-phased project on Avatar (animation) based automatic generation and automated recognition of signs and gestures in Indian Sign Language.	VECC, Kolkata
2	Swami Punyeshwarananda (Co - PI of the project)	“3D scanning of historical artifacts and heritage buildings associated with Swami Vivekananda and disseminating his message through 3D Virtual Reality”	DST - SHRI

ANY OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

- Prof. Subir Ghosh was the chairperson of the Steering Committee of International Conference on Algorithms and Discrete and Applied Mathematics (CALDAM 2024) held in February from 12 - 17, 2024 at Indian Institute of Technology Bhilai,

Chhattisgarh, India. Swami Sarvottamanda was a member of the Steering Committee in this conference.

- Prof. Subir Ghosh was the President of the Association for Computer Science and Discrete Mathematics during 2023-2024.
- Collaboration between the Department of Computer Science, Belur and the Department of Indian Sign Language, FDMSE, Coimbatore on automating the recognition of the Indian Sign Language which started in 2022 is ongoing.
- Profs Gopal Basak, and Raju Maiti Das from Indian Statistical Institute, Kolkata together conducted a full course of 60 hrs on Introduction to Econometrics and Finance during the July-Dec'23 semester to the MSc BDA students of 2022-24 batch.
- An invited talk - "How AI is transforming our lives" organised by the Math Department of Serampore college on 16 December, 2023. Swami Punyeshwarananda gave the talk.
- Swami Punyeshwarananda was invited to an intercollegiate techfest organised by the CS Dept, RKMRC, Narendrapur as the chief guest and to deliver a talk on the "The AI revolution and its impact on humanity"
- Two students Premanshu Chatterjee and Subhankar Nag of MSc Computer Science (batch 2021-23) have secured 57 and 164 ranks, respectively in GATE - Computer Science Examination held in February, 2024.

ANY OTHER MISCELLANEOUS INFORMATION

- Dr. Soumitra Samanta visited the University of Liverpool, UK for 2 months from December 2023 to January 2024 under the SusCoRD project.

NAME OF THE DEPARTMENT/DIVISION:
COMPUTER SCIENCE, COIMBATORE CAMPUS

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Dr.R.Sridhar	Professor & Head
2	V.Dineshkumar	Assistant Professor

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	M.Sc CSA	6
Total		6

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PLACED:

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
1	Bala Ud-hayashankar M	M.Sc CSA	Annai Infotech, RS puram, Coimbatore	2024
2	Dharan A	M.Sc CSA	A-Tech, Coimbatore	2024
3	Mahendiran M	M.Sc CSA	Popular Systems, NSN Palayam, Coimbatore	2024

S. No.	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
4	Nitishkumar R	M.Sc CSA	Libre Solutions, Vadavalli, Coimbatore	2024
5	Saravanakumar B	M.Sc CSA	Ardhas pvt Ltd, Keeranatham, Coimbatore	2024
6	Sunil R	M.Sc CSA	Tidel Park, Hope College, Coimbatore	2024

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of Publications in Journals and Books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	Dr.R.Sridhar & V.Dineshkumar	Association between piece and education as a single index value: An empirical study of the World countries	YUGAT 0	0387-5695

BEST PRACTICES

Strengthening Industry – Institute Relationship: Students of M.Sc. (Computer Science Applications) were working in different industries as part of their internship training on real time projects.

NAME OF THE DEPARTMENT:
SPORTS SCIENCE AND YOGA

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Dr. Kalipada Pal	Associate Professor
2	Dr. Kunal Sikder	Assistant Professor
3	Dr. Arkadeb Dutta	Assistant Professor
4	Dr. Subhadip Paul	Assistant Professor
5	Dr Arnab Das	Assistant Professor
6	Dr Manohar Pahan	Assistant Professor
7	Swami Samarpanananda	Monastic Faculty
8	Swami Kaleshananda	Monastic Faculty
9	Swami Vidyapradananda	Monastic Faculty & Academic Coordinator

NEW EQUIPMENTS ACQUIRED IN THE YEAR

OpenBCI Cyton Biosensing Board (8-channels)

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	M.Sc Yoga	0
2	P.G Diploma in Yoga	0

3	M.Sc Sports Science	7
4	PhD Yoga	2
5	PhD Sports Science	2
6	Certificate Course in Yoga and Naturopathy	43
Total		54

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	MSc Sports Science	3
2	PhD Sports Science	1
Total		4

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
1	Rangan Pan	MSc Sports Science	RKMVERI	PhD sports science

DETAILS OF STUDENTS PLACED:

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
1	Subhasis Biswas	PhD Sports Science	Assistant Professor, ICFAI University, Agartala, Tripura	2024
2	Niladri Chowdhury	Msc Sports Science	ELMS Sports	2024

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
			Foundation	
3	Rangan Pan	Msc Sports Sc	Sportify Sports Education and Management Services Pvt. Ltd.	2023

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of Current Ph. D. Scholars	Name of Supervisor
1	Gopinath Bhowmik Bhunia	Dr. Manohar Kr Pahan
2	Monu Kumar	Dr. Manohar Kr Pahan
3	Sanjoy Majhi	Dr Arnab Das
4	Debabrata Chatterjee	Dr Arkadeb Dutta
5	Tanugatri Majumder	Dr Arnab Das
6	Rama Arya	Swami Vidyapradananda

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

- **Sikder K**, Phillips E, Zhong Z, Wang N, Saunders J, Mothy D, Kossenkov A, Schneider T, Nichtova Z, Csordas G, Margulies KB, Choi JC. Perinuclear damage from nuclear envelope deterioration elicits stress responses that contribute to LMNA cardiomyopathy. *Science Advances*. 2023 Jun 7:2023.02.14.528563. doi: 10.1101/2023.02.14.528563. PMID: 36824975; PMCID: PMC9949050. <https://www.biorxiv.org/content/10.1101/2023.02.14.528563v2>
- **Ray US, Bhunia GB**.(2023).Improvement in Visual and Auditory Reaction Time with Reduced Detraining Effects of Yogic Breathing Manoeuvres- A Non Randomised Controlled Study,*Journal of Clinical Diagnostics and Research* 17(3), CC19-CC25. <https://www.doi.org/10.7860/JCDR/2023/59799/17669>

- **Subhashis Biswas, Rupayan Bhattacharya, Arnab Das.** Physical Characteristics, Movement Pattern and Heart Rate Response of Indian Cricketers During Batting in Twenty20 (T20) Matches. *International Journal of Exercise Science*. 16(6):1413-1425. PMID: 38288385.
- **Rama Arya, Soumyajyoti Ghoshal, Kalipada Pal, Gopesh Mangal, Arkadeb Dutta** (2023). A Systematic Review on Panchakarma-Based Ayurveda Treatment in Janu Sandhigata Vata. *International Journal of Ayurvedic Medicine*, 14(1), 29–41. <https://doi.org/10.47552/ijam.v14i1.3282>
- Koustav Chatterjee, **Subhadip Paul**, Rebecca Banerjee, Supriyo Choudhury, Mona Tiwari, Purba Basu, and Hrishikesh Kumar. "Characterizing gait and exploring neuro-morphometry in patients with PSP-Richardson's syndrome and vascular parkinsonism." *Parkinsonism & Related Disorders* (2023): 105483.

DETAILS OF SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES / SYMPOSIUMS HOSTED / ORGANISED DURING THE YEAR

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
1	11 & 12 March 2023	Two day Symposium and Workshop on 'Sports Medicine and Rehabilitation'- https://sy.rkmvu.ac.in/symp-wrksp-sports-medicine-rehabilitation-11-12-mar-2023/
2	2 & 3 October 2023	Two day seminar on Talent Identification and Talent Development in Sports https://sy.rkmvu.ac.in/wrksp-talent-identification-talent-development-in-sports-2-3-oct-2023/
3	21 March 2024	Half-day seminar on Science of Suryanamaskara in collaboration with Asiatic Society, Kolkata https://sy.rkmvu.ac.in/half-day-seminar-on-science-of-suryanamaskara-21-mar-2024/

ANY OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

- Two day online webinar on 'Strength & Conditioning in Sports' – 9-10 March 2024 <https://sy.rkmvu.ac.in/onl-webinar-on-strength-conditioning-in-sports-mar-2024/>
- Two-day Yoga Camp at Indian Institute of Management, Ranchi – 10-11 February 2024 <https://sy.rkmvu.ac.in/yoga-camp-at-iim-ranchi-10-11-feb-2024/>
- Two students of MSc Sports Science participated in All India Inter University Boxing (M & W) Championship 2023-24- <https://sy.rkmvu.ac.in/sports-science-students-participated-in-all-india-inter-university-2023-24/>

ANY OTHER MISCELLANEOUS INFORMATION

Total 10 students of MSc and PhD Sports Science went for Exposure Visit to Kalinga Sports Complex, Bhubaneswar – 16-18th Jan 2024\ <https://sy.rkmvu.ac.in/report-on-exposure-visit-to-kalinga-sports-complex-bhubaneswar-16-18-jan-2024/>

BEST PRACTICES

Coaching for UGC NET is given to MSc Sports Science and MSc Yoga students

NAME OF THE DEPARTMENT:
SANSKRIT AND PHILOSOPHY

LIST OF TEACHING FACULTY MEMBERS

SL.	Name	Designation
1.	Swami Japasiddhananda	Assistant Professor and Head of the Department
2.	Dr.Unnikrishnan K.	Professor
3.	Dr.Rakesh Das	Assistant Professor
4.	Dr.Gopikrishnan Reghu	Assistant Professor
5.	Dr.Neeraj Kumar Bhargave	Assistant Professor
6.	Dr.Nagaraj Bhat	Assistant Professor
7.	Dr.Shantanu Ayachit	Assistant Professor
8.	Dr.Sukhdev Bhatt	Assistant Professor
9.	Dr.Paromita Roy	Assistant Professor

NEW PROGRAMMES / COURSES STARTED IN THE YEAR

1. MA online in Sanskrit Programme

The Department of Sanskrit and Philosophy, School of Indian Heritage, Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI), Belur Math, is launching a Masters (M.A.) programme in Sanskrit (4 semesters each of six months) in online mode, from the academic session 2023-2024. Semester started from 13 Sep 2023

Eligibility for admission: 55% marks in 3-years B.A. (Hons.) in Sanskrit. (5% relaxation for SC/ST candidates) or graduation In any discipline + a certificate course leading to basic proficiency in Sanskrit language conducted by an established Institute of renown

Medium of Instruction: fully in Sanskrit

Mode of delivery: Online via LMS (Trainer Central)

Programme fees: Rs.20000/- (Rupees twenty thousand) for the entire programme of 2 years (payable @ Rs.10000/- at the beginning of each year). No other fees (for examination etc., will be charged)

1. MA Integrated in Sanskrit (BA Hons. 4 years + MA 1 year)

Eligibility - Fresh candidates who have at least 70% marks in class 10 + at least 70% marks class 12 (Madhyamik + Higher Secondary) are eligible to apply.

Medium of Instruction: fully in Sanskrit

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

Sl.	Programme	Duration	No. of Students
Core Programmes:			
1.	5 year MA Integrated in Sanskrit programme (4 yr BA Hons + 1 yr MA)	4 years	17
2.	MA in Sanskrit Online Programme	2 years	21
3.	PhD in Sanskrit Programme	3 years (maximum 5 years)	3
Total (Core programmes)			41
Certificate Programmes:			
1.	Preliminary: Communicative Sanskrit (Jan – Jun 2023)	6 Months	82
2.	Intermediate: Communicative Sanskrit (Jan – Jun 2023)	6 Months	32

3.	Advance: Communicative Sanskrit (Jan - Jun 2023)	6 Months	16
4.	Laghusiddhananta Kaumudi-1, Paniniya Pravesh (Jan - Jun 2023)	6 Months	11
5.	Preliminary: Communicative Sanskrit (Jul - Dec 2023)	6 Months	123
6.	Intermediate: Communicative Sanskrit (Jul - Dec 2023)	6 Months	34
7.	Advance: Communicative Sanskrit (Jul - Dec 2023)	6 Months	25
8.	Preliminary: Communicative Sanskrit (Jan - Jun 2024)	6 Months	91
9.	Intermediate, Communicative Sanskrit (Jan - Jun 2024)	6 Months	65
10.	Advanced, Communicative Sanskrit (Jan - Jun 2024)	6 Months	19
11.	Laghusiddhananta Kaumudi-1, Paniniya Pravesh (Jan - Jun 2024)	6 Months	28
12.	Siddhanta Kaumudi-1, Paniniya Pravesh (Jan - Jun 2024)	6 Months	8
13.	Sanskrit Adhyayana-1: Bharatiya Jnana Parampara Adhyayana (Jan - Jun 2024)	6 Months	55
14.	Sanskrita-Shastradhyana-1: Bharatiya Jnana Parampara Adhyayana (Jan - Jun 2024) (only for monastics)	6 Months	37
Total (Certificate programmes)			626
Grand Total (Core programmes plus Certificate Programmes)			667

STUDENTS PASSED OUT DETAILS OF THE YEAR

Sl.	Programme	No. of Students
1	MA Integrated in Sanskrit (MAIS)	12
2	Mphil in Sanskrit	9
3	PhD integrated in Sanskrit	4
4	Preliminary: Communicative Sanskrit (Jan – Jun 2023)	82
5	Intermediate: Communicative Sanskrit (Jan – Jun 2023)	32
6	Advance: Communicative Sanskrit (Jan – Jun 2023)	17
7	Laghusiddhananta Kaumudi-1, Paniniya Pravesh (Jan - Jun 2023)	11
8	Preliminary: Communicative Sanskrit (Jul – Dec 2023)	124
9	Intermediate: Communicative Sanskrit (Jul – Dec 2023)	34
10	Advance: Communicative Sanskrit (Jul – Dec 2023)	26
Total		326

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

Details Of Students Pursuing Higher Education:

Sl.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
1.	Abir Mandal	MAIS (MA Integrated in Sanskrit)	Government College of Education Banipur, Habra, West Bengal 743233	B.Ed
2.	Asish Mondal	MAIS	Union Christian Training College, Berhampore, West Bengal 742101	B.Ed

3.	Nirmal Sarkar	MAIS	Union Christian Training College, Berhampore, West Bengal 742101	B.Ed
4.	Raju Ghosh	MAIS	West Bengal University of Teachers' Training, Education Planning and Administration, Ballygunge, Kolkata, West Bengal 700019	B.Ed
5.	Rakashashi Panda	MAIS	Ramakrishna Mission Shikshanamandira, Belur Math, Howrah, West Bengal 711202	B.Ed
6.	Soumyajit Acharyya	MAIS	Ramakrishna Mission Shikshanamandira, Belur Math, Howrah, West Bengal 711202	B.Ed
7.	Ankana Khanra	MAIS	National Sanskrit University, Tirupati	PhD
8.	Sangita Maity	MAIS	National Sanskrit University, Tirupati	PhD

DETAILS OF STUDENTS PLACED:

Sl.	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
1.	Dibakar Chakraborty	MAIS	Sri Sathya Sai University For Human Excellence, Karnataka	2023
2.	Ankana Khanra	MAIS	Sri Sathya Sai University For Human Excellence, Karnataka (Jun 2023 to Apr 2024)	2023
3.	Krishna Gopal Patra	PHDIS (Ph.D. in Sanskrit)	Sri Sri Sitaramdas Omkarnath Sanskrita Siksha Samsad, Kolkata	2023
4.	Kartik Mete	PHDIS	Kalna Government General Degree College, Kalna-1, Bardhaman	2023
5.	Soumitra Acharya	PHDIS	Central Sanskrit University, Kerala, Guruvayur	2023
6.	Sujit Pramanik	PHDIS	Netaji Mahavidyalaya, Arambag, Hooghly	2023

DETAILS RELATING to Int. Ph.D./Ph.D SCHOLARS DURING THE YEAR

Sl.	Name of Current PhD Scholars	Name of Supervisor
1.	Balasubramanya	Dr.Paromita Roy
2.	Gaurav Sharma	Unnikrishnan K.
3.	Jiban Gorai	Unnikrishnan K.
4.	Alok Sen	Dr.Neeraj Kumar Bhargave
5.	Amit Kumar Garai	Dr.Rakesh Das
6.	Aneek Kumar Das	Dr.Shantanu Ayachit
7.	Nayan Chowdhury	Dr.Rakesh Das
8.	Provat Kumar Mondal	Swami Japasiddhananda
9.	Saikat Mohanta	Swami Japasiddhananda
10.	Sourav Porel	Swami Japasiddhananda
11.	Basudev Gorai	Dr.Neeraj Kumar Bhargave
12.	Pritam Bera	Dr.Sukhdev Bhatt
13.	Prolay Nandi	Dr.Gopikrishnan Reghu
14.	Subhadeep Das	Dr.Nagaraja Bhat
15.	Tirthankar Dey	Dr.Shantanu Ayachit
16.	Subarna Paul	Dr.Paromita Roy
17.	Dhriti Rani Saha	Dr.Paromita Roy
18.	Amit Kumar Sahoo	Dr.Sukhdev Bhatt
19.	Buddhadev Das	Dr.Shantanu Ayachit
20.	Chandan Mukherjee	Dr.Nagaraja Bhat

Sl.	Name of Current PhD Scholars	Name of Supervisor
21.	Rajesh Adhikari	Dr.Nagaraja Bhat
22.	Rajkumar Mondal	Dr.Gopikrishnan Reghu
23.	Shanti Ghosh	Swami Japasiddhananda
24.	Subhankar Das	Dr.Sukhdev Bhatt
25.	Tuhin Mandal	Dr.Rakesh Das
26.	Uttam Ghosh	Dr.Gopikrishnan Reghu
27.	Rahul Maity	Dr.Neeraj Kumar Bhargave
28.	Santanu Nayek	Dr.Sukhdev Bhatt
29.	Sankha Subhra Gachchhit	Dr.Neeraj Kumar Bhargave
30.	Sukhdev Shau	Dr.Neeraj Kumar Bhargave
31.	Pankaj Raul	Dr.Gopikrishnan Reghu
32.	Arpan Bhattacharya	Dr.Rakesh Das
33.	Saibal Acharya	Dr.Nagaraja Bhat
34.	Arupam Sanyal	Dr.Shantanu Ayachit
35.	Krishna Gopal Patra	Dr.Rakesh Das
36.	Kartik Mete	Dr.Nagaraja Bhat
37.	Biplab Mallick	Dr.Rakesh Das

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of the papers presented by the teaching staff in conferences, seminars, etc. with date

Sl	Name	Date	Title of the Paper Presented
1.	Dr.Rakesh Das	10 Jan 2024	Special Lectures (2 nos., 90 mins.) - Intense study of Caturthī-vibhakti-sūtras in Laghu-śabdendu-śekhara
2.	Dr.Rakesh Das	29 Feb 2024	Special Lecture (3, 135 mins.) - A Close Examinaton of Kāraka Prakaraṇa in Siddhānta Kaumudī through Textual Reading (with special reference to Tṛtīyā Vibhakti)
3.	Shantanu Ambadas Ayachit	26 Apr , 27 Apr 2023	Participated in National Seminar on “सप्तविधानुपपत्तिविमर्शः” organized by NSU Tirupati, held on And Presented Paper on topic “सिद्धान्तसिद्धाञ्जने अविद्यानिर्वचनीयत्वाक्षेपपरिहारौ।”
4.	Shantanu Ambadas Ayachit	27 and 28 Apr 2023	सिद्धान्तसिद्धाञ्जने अविद्यानिर्वचनीयत्वाक्षेपपरिहारौ।
5.	Shantanu Ambadas Ayachit	26, 27 Aug 2023	अद्वैतश्रीस्वामिनारायणदर्शनयोः परतत्त्वविमर्शः।
6.	Shantanu Ambadas Ayachit	26, 27 Aug 2023	Participated in two day National Seminar on “श्रीशैव-श्रीस्वामिनारायणमूलसिद्धान्त-विमर्शः” organized by काशी हिन्दु विश्वविद्यालय, वाराणसी And Presented Paper on topic “अद्वैतश्रीस्वामिनारायणदर्शनयोः परतत्त्वविमर्शः।”.
7.	Shantanu Ambadas Ayachit	18 Nov 2023	ज्ञाननिवर्त्यत्वं मिथ्यात्वम् (तृतीयमिथ्यात्वलक्षणम्)
8.	Shantanu Ambadas Ayachit	06 Mar 2024	ज्ञानेश्वरीएकनाथीभागवतयोः निरूपितयोगाभ्यासस्य तुलनात्मकमध्ययनम्।
9.	Shantanu Ambadas Ayachit	06 Mar .2024	Participated in National seminar on “Contours of Indias civilizational Identity” organized by S.P. Pune University and Presented Paper on topic “ज्ञानेश्वरीएकनाथीभागवतयोः निरूपितयोगाभ्यासस्य

Sl	Name	Date	Title of the Paper Presented
			तुलनात्मकमध्ययनम्।”.
10.	Swami Japasiddhanda	5,6,7,8 Jun 2023	Maryādā-Puruṣottamaḥ Śrīrāmaḥ (45 minutes talk in Sanskrit) (in A Four Day International Seminar on Rāmāyaṇa Organised by Central Sanskrit University, New Delhi, Indian Council of Philosophical Research, and Poornaprajna Samshodhana Mandiram, Bengaluru)
11.	Swami Japasiddhanda	13,14 Jul 2023	Role of Ramakrishna Mission in the Field of Higher Education (English) [National Seminar on “125th Year of Service of Ramakrishna Mission” organised by Ramakrishna Mission Vivekananda Centenary College, Rahara, Kolkata – 700118, West Bengal. Sponsor: Indian Council of Social Science Research (ICSSR)]
12.	Swami Japasiddhanda	22,23,24 Sep 2023	Contribution of Ramakrishna Mission towards Sanskrit in India in the last 125 Years (English) (National Seminar on “Contributions of Ramakrishna Mission in the Field of Education in the Last 125 Years of Journey” organised by Ramakrishna Mission Ashrama, Narendrapur Funded by The Ministry of Culture, Government of India)
13.	Swami Japasiddhanda	01 Dec 2023, Friday	Contribution of Ramakrishna Mission towards Sanskrit Education (English) (Seminar on “Sanskrit Today: Bridging Past and Present” organised by Ramakrishna Mission Vidyapith, Deoghar, on the occasion of the 125th Anniversary of the foundation of Ramakrishna Mission)
14.	Swami Japasiddhanda	06 Dec 2023	Kauṭaliyārthaśāstre śikṣādarśanam (Educational Philosophy in the Arthaśāstra of Kauṭaliya) (Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math. IKS project: “Some thrust areas of Kauṭaliya’s Arthaśāstra as applicable to the modern times”)
15.	Swami Japasiddhanda	20 March 2024, 2.30 to 4.30 pm	“Abhyudaya-niḥśreyasa-sādhanam karmayogaḥ” (in Sanskrit presented in a 7 Day National Workshop on “Śrīmadbhagavad-gītāyām karmayogaḥ tasya sāmājikapakṣaśca” organised by Sri Sitaram Vaidic

Sl	Name	Date	Title of the Paper Presented
			Adarsha Sanskrit Mahavidyalaya under the auspices of Central Sanskrit University
16.	Swami Japasiddhanda	31 Mar 2024, Sunday	Scientific Nature of Pāṇinian Grammar – Discussion in Common Man’s Language (in English) (Immersion Programme Organised by the Division of Indian Knowledge Systems (IKS) at the Indian Institute of Technology, Kharagpur)

Details of Publications in Journals and Books

Sl.	Author	Title of Paper	Journal	ISSN/ISBN
1.	Dr. Rakesh Das	Svāminārāyaṇa-bhāṣya-diśā Adṛśyatvādhikaraṇam	Journal of Indian Intellectual Traditions (UGC-CARE Listed)	2249-7129
2.	Dr. Rakesh Das	Cipiṭakacarvaṇa-nāṭakasya maṅgalācaraṇa-vimarśaḥ	Saṃskṛta-vāṇimayī (UGC-CARE Listed)	2231-5799
3.	Dr. Gopikrishnan Reghu	Vyākaraṇaśāstroktam vṛttisvarūpam	ANVĪKṢĀ (Peer-reviewed Research Journal), Vol 45 (December 2023)	ISSN 0587-1646
4.	Dr. Gopikrishnan Reghu	Prathamānirdiṣṭam samāsa upasarjanam	International Journal of Sanskrit Research (Peer-reviewed Research Journal), Vol 10 (March-April 2024)	ISSN 2394-7519
5.	Dr. Neeraj Kumar Bhargave	मीमांसकाभिमतधात्वर्थविचारः	श्रुतिशोभा (Research Journal of Samskrit and Samskriti) Veda Vijnana Shodha Samsthanam (Volume 9, January 2024)	ISSN 2348 - 1102
6.	Shantanu	वेदान्ते	National journal of Hindi	ISSN- 24549177

Sl.	Author	Title of Paper	Journal	ISSN/ISBN
	Ambadas Ayachit	प्रमाणविचारोपयोगिताविमर्शः	and Sanskrit Research (Impact Factor – RJIF-5.11) Peer Reviewed Journal	in Volume 30 (March-April,2023)
7.	Shantanu Ambadas Ayachit	सप्तविधानुपपत्तिविमर्शः	National journal of Hindi and Sanskrit Research (Impact Factor – RJIF-5.11) Peer Reviewed Journal	ISSN - 24549177 in Volume 30 (July-August,2023)
8.	Swami Japasiddhananda	Dec 2023	Guru-Ṣoḍaṣī (a hymn of sixteen verses in Sanskrit on Guru) (The Vedanta Kesari, (an English Monthly) published by Sri Ramakrishna Math, Mylapore, Chennai. Vol. 110, Issue 12, the annual special issue, pages 100-107)	ISSN 0042-2983
9.	Swami Japasiddhananda	Jan – Jun 2024 Serially published	Features of a Holy man (a composition of sixteen verses in Sanskrit on Holy Man) (The Vedanta Kesari, (an English Monthly) published by Sri Ramakrishna Math, Mylapore, Chennai. Vol.111, Issue 1, pages 23-25)	ISSN 0042-2983

DETAILS OF SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES / SYMPOSIUMS ETC. ATTENDED BY THE FACULTIES DURING THE YEAR

Details Of Special Lectures / Workshops / Seminars / Conferences / Symposiums Etc. Attended By The Faculties During The Year

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
1.	Dr.Rakesh Das	23 - 29 Dec 2023	Workshop for completion of <i>Dikṣā</i> series (<i>Dikṣā-sampūrṭi-saraṇī</i>), organised by Central Sanskrit University
2.	Dr.Gopikrishnan Reghu	12 - 18 April 2023	Online one week Faculty Development Programme on Academic Administration
3.	Dr.Gopikrishnan Reghu	12 - 18 Sep 2023	Online one week Faculty Development Programme on Open Source Tools for Teaching and Research
4.	Dr.Gopikrishnan Reghu	14 - 15 Mar 2024	Resource person for Two day National Workshop on Translation Organized by Calicut Adarsha Sanskrit Vidyapeetha, Balussery, Kozhikode
5.	Dr.Gopikrishnan Reghu	15 Mar 2024	Delivered Keynote Address in the valedictory session of Two day National Workshop on Translation Organized by Calicut Adarsha Sanskrit Vidyapeetha, Balussery, Kozhikode
6.	Dr.Gopikrishnan Reghu	19 Mar 2024	Resource person for one day National Workshop on Saralamanakasamskritam jointly Organized by Bharatiya Bhasha Samiti, New Delhi, Central Sanskrit University, New Delhi and Vedanta Study center, Kerala University, Thiruvananthapuram
7.	Dr.Neeraj Kumar Bhargave	17 to 23 Jan 2024	Seven Day National Workshop on न्यायभाष्यानुचिन्तनम्, Organised by न्यायविद्याशाखा, Central Sanskrit University, Shri Rajiv Gandhi Campus, Sringeri
8.	Dr.Neeraj Kumar Bhargave	22 Mar – 5 Apr 2023	Online Two-Week Interdisciplinary Refresher Course in “Advanced Research Methodology” from 22 March – 5 April, 2023 and obtained Grade A+. organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
			Mission on Teachers and Teaching.
9.	Dr.Neeraj Kumar Bhargave	12 -18 Sep 2023	One-Week Faculty Development Programme on “Open Source Tools For Teaching and Research” from 12-08 September, 2023 and obtained Grade A+. organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
10.	Dr. Shantanu Ambadas Ayachit	27 Mar 2024	Participated as Resorce Person in the Workshop orginised by Sitaram Vaidik Aadarsh Mahavidyalay, Kolkata and gave the Presentation on (श्रीमद्भगवद्गीतायां कर्मयोगः तस्य सामाजिकपक्षश्च) on 27th march 2024 at Sri Sitaram Vaidik Aadarsh Mahavidyala, Kolkata.
11.	Dr. Shantanu Ambadas Ayachit	28 Mar 2024	Participated as Resorce Person in Jagadguru Sahankaracharya Vyakhyanamala and given lecture on the topic शाङ्करदर्शने भारतीय एकात्मता भाषा च on 28th march 2024 at Acharya Brojendranath Seal College, Cooch Behar.
12.	Dr. Shantanu Ambadas Ayachit	18th & 19th Nov 2023	Participated in Shankar Vakyaartha Sabha (One day naitional seminar) at Lonand, Maharashtra and presented वाक्यार्थ on ज्ञाननिवर्त्यत्वं मिथ्यात्वम् (तृतीयमिथ्यात्वलक्षणम्)
13.	Dr.Sukhdev Bhatt	06 July -22 July 2023	International Workshop in prodhamanorama from Ramakrishna Mission Vivekananda Educational and Research Institute.
14.	Dr.Sukhdev Bhatt	17 Jan – 23 Jan 2024	National Workshop on nanyabhashyanuchintanam from Shri Rajiv Gandhi Campus Central Sanskrit University
15.	Dr.Sukhdev Bhatt	01 Apr – 10 Apr 2024	NEP 2020 Orientation & Sensitization programme under malaviya mission teacher training programme
16.	Swami Japasiddhananda	15,16 Jul 2023	Indian Wisdom for Transforming Life (A national level workshop) organised by Ramakrishna Mission Vidyamandira, Belur Math, in collaboration with The Indic Foundation, Two days (6 live sessions)

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
17.	Swami Japasiddhananda	23, 24, 25 Dec 2023	Ananda: International Conference on Quantum Science and Relevance in Vedanta under the aegis of Sri Shankaracharya Vangmaya Seva Parishat, Ayodhya, Vedanta Bharati, Mysore, and Indian Council of Philosophical Research, New Delhi
18.	Swami Japasiddhananda	27 Dec 2023	One-day online international symposium on the studies in the Aṣṭādhyāyī Amrita Darshanam ICSS, Amrita Vishwa Vidyapeetham Under the Project- The Critical Edition of the Aṣṭādhyāyī. Funded by the IKS division of the AICTE (All India Council of Technical Education) under their scheme of IKS centre
19.	Swami Japasiddhananda	12 Feb to 22 Feb 2024	Ten-Day Workshop on Tarkatandava of Shri Vyasa-teertha (selected Vadas only) The Department of Dvaita Vedanta, National Sanskrit University, Tirupati (Online + Offline)
20.	Swami Japasiddhananda	4 to 15 Dec 2023, 8 days (one and half hours each day)	Malaviya Mission – Teacher Training Programme (MM-TTP 2023) (University Grants Commission and Indian Institute of Technology (Indian School of Mines) Dhanbad)
21.	Swami Japasiddhananda	14 to 20 Dec 2023, 6 days (2 hrs each day)	Online Faculty Development Programme (on Outcome Based Education and Essential AI Tools for Teachers) [The Internal Quality Assurance Cell (IQAC) of Ramakrishna Mission Vivekananda Centenary College (Autonomous) Rahara, Kolkata in association with The Department of Mathematics, Chaudhary Charan Singh University, Meerut]

Details of the papers presented in conferences, seminars, etc. by research scholars

Sl.	Name	Date	Title of the paper presented
1.	Alok Sen	26 Apr 2023	शंकराचार्यनिराकृतपरमाणुकारणतावादमण्डनम् (One-day Seminar on भारतीयदार्शनिकग्रन्थानां व्याख्यानपद्धति: by RKM Vidyamandira, Belur Math)
2.	Amit kumar	12 Mar 2024	ध्वन्यालोकस्थ-ध्वनिविरोधिवादेषु अभाववादस्य लोचनदिशा

Sl.	Name	Date	Title of the paper presented
	Garai		खण्डनविचारः (One Day National Seminar on 'भारतीयज्ञानपरम्परा')
3.	Aneek Kumar Das	5th to 7th May of 2023.	साम्प्रतमुपनिषदाश्रयणीयता (All India Sanskrit Conference conducted by the Department of Sanskrit Pali & Prakrit of Visva Bharati University.
4.	Chandan Mukherjee	28 Sep to 30 Sep 2023.	शङ्कराचार्यकृतानां केषाञ्चन प्रकरणग्रन्थानां परस्परसमीक्षणम् (śaṅkarācāryakṛtānāṃ keṣāñcana prakaraṇagrānṭhānāṃ paraspara-samīkṣaṇam) (Three Day National Seminar on श्रीशङ्कराचार्योत्तराद्वैतवेदान्तस्य दार्शनिकं प्रतिचित्रणम् (Philosophical Mapping of Post Shankar Advaita Vedanta) organised by Shree Jagannatha Sanskrit University, Puri
5.	Pritam Bera	18th Jan, 2024	अपादानादिकारकाणाम् कर्मसंज्ञाविमर्शः Two day National Seminal on Living Tradition of Scripturess: jñāna and vijñāna organized by Sri Sitaram Vaidic Adarsha Sanskrit Mahavidyalaya, Kolkata on 18th January 2024.
6.	Provat kumar mondal	07 July to 10 July 2023	वैदिकसमाजे नारीणां स्थितिः (Three Day National Seminar on Relevance of vedic knowledge in modern science and Technology, kaliya-chok bikram kishore adarsha samskrit mahavidyalaya
7.	Rajesh Adhikari	28 Sep to 30 Sep 2023	तत्त्वप्रदीपिकादिशा वेदान्तानामखण्डार्थत्वप्रदर्शनम् (Three Day National Seminar on श्रीशङ्कराचार्यो-त्तराद्वैतवेदान्तस्य दार्शनिकं प्रतिचित्रणम् (Philosophical Mapping of Post Shankar Advaita Vedanta) organised by Shree Jagannatha Sanskrit University, Puri
8.	Rajesh Adhikari	14 - 15 Mar 2024	(शूद्राणामात्मज्ञानेऽर्थित्वविचारः) Two-Day National Seminar on "Facts of Sanskrit Poetics"
9.	Rajesh Adhikari	17-18 Jan 2024	वेङ्कटरमणभट्टकृत - अलङ्कारशास्त्रोपकण्ठाख्यग्रन्थ-समीक्षणम् (Two Day National Seminar on "Living Tradition on Scriptures: jnana and Vijnanana)
10.	Saikat Mohanta	16 Sep 2023	कर्तुरीप्सिततमं कर्म इति सूत्रदिशा कर्मसंज्ञाविमर्शः (One-day Seminar on पाणिनीयतन्त्रे कारकचर्चा by RKM Vidyamandira, Belur Math)
11.	Sankha Subhra Gachchhit	3 to 5 Apr 2023	शब्दकौस्तुभप्रभायाः प्रथमाह्निकस्य मातृकापाठसम्पादनपूर्वको लोकोपयोगः" (Three day International Webinar on Script and Manuscripts)

Sl.	Name	Date	Title of the paper presented
12.	Sankha Subhra Gachchhit	5-7 Oct 2023	भाषावृत्ते: व्याख्यापरम्परा (Contemporary Research Trends in Sanskrit Shastras and Manuscript Studies)
13.	Sankha Subhra Gachchhit	5-6 Jan 2024	मनुस्मृतौ राजधर्मः, परिशीलनमेकम् (Dharmashastras : Guide to Sustainable Prosperity)
14.	Sankha Subhra Gachchhit	17-18 Jan 2024	शब्दशास्त्रपरम्परायां सृष्टिधराचार्याणां योगदानम् (Living Tradition on Jnāna and Vijnāna)
15.	Shanti Ghosh	17 Jun, 18 Jun 23	पातञ्जलयोगमते ईश्वरस्वरूपम् (ऑनलाइन द्विदिवसीय अंतराष्ट्रीय संगोष्ठी Organized by संस्कृत संस्कृति विकास संस्थान एवं जगदीश नारायण ब्रह्मचर्याश्रम आदर्श संस्कृत महाविद्यालय लगमा, दरभंगा, बिहार)
16.	Sourav Porel	16 Sep 2023	उपान्वध्याङ्गवसः इति सूत्रसमीक्षणम् (One-day Seminar on पाणिनीयतन्त्रे कारकचर्चा by RKM Vidyamandira, Belur Math)
17.	Subhadeep Das	17 and 18 Jan 2024	अद्वैतवेदान्तदर्शने शिवरामपण्डितस्य अवदानम् (Two-Day National Seminar on "Living Tradition on Scriptures: jnana and Vijnanana)
18.	Tuhin Mandal	17 and 18 Jan 2024	शब्दशास्त्रपरम्परायां वैयाकरणः कमलाकरभट्टः (Two-Day National Seminar on "Living Tradition on Scriptures: jnana and Vijnanana")

Details of Publications in Journals and Books by Research Scholars

Sl.	Author	Title of Paper	Journal	ISSN/ISBN
1.	Alok Sen	ईश्वरास्तित्वसाधककार्यत्व हेतुघटितानुमानविमर्शः	Aranyakam, UGC Care Listed Journal, Mar 2023	ISSN: 0975-0061
2.	Alok Sen	śāstrīyasiddhāntasa ṁrakṣaṇe loke ca paramparāsmbandh asyopayogitā	Vyutpatt, Peer Reviewed e-Journal Ed. Prof. Shivshankar Mishra	ISSN 2455-717X
3.	Amit Kumar Sahoo	संस्कृतव्याकरणे परिभाषाकाराणाम्परम्परा	संस्कृतविमर्शः (A Peer reviewed research journal)	ISSN-0975-1769
4.	Amit Kumar Sahoo	vedopadiṣṭamantari kṣavijñānam	Jambūdvīpa, the e-Journal of Indic Studies, Indira Gandhi National Open University.	ISSN: 2583-6331

Sl.	Author	Title of Paper	Journal	ISSN/ISBN
5.	Aneek Kumar Das	मोक्षे वैदिकप्रमाणसापेक्षता	Vedanjali (वेदाञ्जलि), an international peer reviewed research journal, May 2023.	ISSN : 2349-364X
6.	Chandan Mukherjee	Arcyāvācārarahasya m - ekam adhyayanam अर्च्यविचाररहस्यम् - एकम् अध्ययनम्	Nibandhamala 2022-23, UGC Care Listed Journal of Central Sanskrit University, Gurvayur Campus, Kerala, July 2023	ISSN: 2277-2359
7.	Chandan Mukherjee	Bhātṭasiddhāntānus āraṃ Dharmajijñāsādhikaraṇavimarśaḥ	Jambūdvīpa, the e-Journal of Indic Studies, Indira Gandhi National Open University	ISSN: 2583-6331
8.	Chandan Mukherjee	Arcāvatārasya Vaidikatvapradarśanaṃ Buddhanirmāṇakālāpekṣayārvācīnatvanirasanañca – Ekaṃ Samīkṣaṇam	Samṣkṛtavimarśaḥ, UGC Care-Listed Peer Reviewed International Referred Research Journal, Central Sanskrit University, New Delhi.	ISSN 0975-1769
9.	Chandan Mukherjee	śāṅkaravedāntadeśīkasiddhāntānusāra m 'īśā vāsyam' itimantratātparyaviśleṣaṇam tatsāmyavaiṣamyasamīkṣaṇaṅca	āraṇyakam, UGC Care-Listed Bi-annual Referred Sanskrit Research Journal, samṣkṛtapracārapariṣat , Ara, Bihar.	ISSN 0975-0061
10.	Pritam Bera	Avivakṣitakāraḥkasya karmasaṃjñāvimarśaḥ	ANVĪKṢĀ, Research Journal of the Department of Sanskrit, Jadavpur University	ISSN: 0587-1646
11.	Pritam Bera	Haribhāskara-agnihotrikṛta-paribhāṣābhāskaradīśā kvacidekadeśo'pyan	Peer Reviewed Journal, Veda Vijnana Shodha Samsthanam	ISSN 2348-1102

Sl.	Author	Title of Paper	Journal	ISSN/ISBN
		uvartate iti paribhāṣāvimarśaḥś rutiśobhā,		
12.	Rahul Maity	साधकतमं करणम्	Dīpaśikhā, A Half-yearly e-Magazine of the Dept. of Sanskrit and Philosophy, RKMVERI, 4th July, 2023, Issue 5, Pages 18-21	ISSN: 2583-5629
13.	Rajesh Adhikari	वेदान्तानामखण्डार्थत्ववि चारः	Shodha-Samiksha, UGC Care Listed Journal. Journal, 18 Sep 2023	ISSN: 2249-5045
14.	Prolay Nandi	Gatibuddhīyādisūtr asya Vidhitvaniyamatvavi marśaḥ	ANVĪKṢĀ, Research Journal of the Department of Sanskrit, Jadavpur University	ISSN: 0587-1646
15.	Rajkumar Mondal	Nā'bhīdhālakṣaṇābh yām vyañjanāyāḥ gatārthatvam	Saṃskṛtavimarśaḥ, UGC Care-Listed Peer Reviewed International Referred Research Journal, Central Sanskrit University, New Delhi.	ISSN - 0975-1769
16.	Sankha Subhra Gachchhit	Astu Samāhāradvandvo Hal ca l ceti iti Dvitiyapakṣavicāraḥ	Śrutiśobhā, a Peer- Reviewed Research Journal of Samskrit and Samskriti of Veda Vijnana Shodha Samsthanam	ISSN: 2348-1102
17.	Saibal Acharya	कविरविभारविकीर्तिः	Dīpaśikhā, A Half-yearly e-Magazine of the Dept. of Sanskrit and Philosophy, RKMVERI, July, 2023, Issue 5, Pages 8-15	ISSN : 2583 - 5629
18.	Shanti Ghosh	पातञ्जलयोगमते ईश्वरस्वरूपम्	Mukt Shabd Journal, Ugc Care List Group-I Journal, Aug 2023	ISSN: 2347-3150

Sl.	Author	Title of Paper	Journal	ISSN/ISBN
19.	Shanti Ghosh	न्याय-वैशेषिकनये हेत्वाभासविमर्शः	Vakyarthabharati, UGC Carelisted and Peer Reviewed Journal 01 Sep, 2023, 2022-23, Page No. 79-84	ISSN: 2249-538X
20.	Subhadeep Das	ātmasvarūpanirṇay e arthāpattipram- āṇasya prāsaṅgik- atā	Śrutiśobhā, Peer Reviewed Journal, Veda Vijnana Shodha SamsthanamIS	ISSN - 2348-1102
21.	Subhankar Das	पाणिनीयतन्त्रे इत्करणमेका प्रतिपादनात्मिकाभिनवशै ली	Shrutishobha, (Journal of Samskrita and Samskriti), a peer reviewed research journal of Veda Vijnana Shodha Samsthanam, Sep 2023	ISSN: 2348 1102

**DETAILS OF SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES /
SYMPOSIUMS ATTENDED BY RESEARCH SCHOLARS DURING THE YEAR**

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
1.	Alok Sen	6 to 22nd 2023	Workshop On प्रौढमनारमा, कारकप्रकरणम् by RKMVERI
2.	Alok Sen	26 April 2023	भारतीयदार्शनिकग्रन्थानां व्याख्यानपद्धतिः by the Department of Sanskrit, Ramakrishna Mission Vidyamandira
3.	Alok Sen	23 to 29 Nov 2023	A seven day national workshop on Nyayalakshnasamghrah organized by CSU Raghunath kirti Campus, Devprayg from November 23-29th 2023.
4.	Alok Sen	23 Feb 2024	A Ten day International workshop on

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
		to 3 Mar 2024	Karakapakaranm organized by Saraswti Chatuspathi, Burdwn, West Bengal, from 23rd Fabruary 2024 to 3rd March 2024
5.	Alok Sen	19 Dec 2023	Participated in a Day-long Workshop on "Some Important Aspects of Samāsa according to <i>Pāṇinīyan</i> Grammar" organized by the Department of Sanskrit, Scottish Church College, Kolkata, on 19th December, 2023"
6.	Amit Kumar Garai	3 - 5 Apr 2023	On Scripts and Manuscripts by Department of Sanskrit, Sri Sri University, Cuttack in collaboration with SIDDHAM,
7.	Amit Kumar Garai	6th-22nd July 2023	Workshop On प्रौढमनारमा, कारकप्रकरणम् by RKMVERI,
8.	Amit Kumar Garai	18th-22nd Sep, 2023	Semenar On पाणिनीयतन्त्रे कारकचर्चा by Department of Sanskrit, Ramakrishma Mission Vidyamandira, Belur Math.
9.	Amit Kumar Garai	26 June-28 June 2023	Workshop on Developing Universal Semantic Representaion(USR) following Indian Gramatical Tradition, In collaboration with IIIT Hyderabad & IIT-BHU.
10.	Amit Kumar Garai	19 Dec 2023	Attended a day-long workshop on "Some important aspects of samāsa according to Pāṇinīya Grammar" organized by the Department of Sanskrit of Scottish Church College.
11.	Amit Kumar Garai	27 Nov 2023	Attended a special lecture on the topic "Advaita – the One and Many" by Prof. Anantanand Rambachan organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute.
12.	Amit Kumar Garai	28 Mar 2023	Attended a special lecture on the topic Vedanta and Indian Aesthetics (<i>alankāra-śāstra</i>) by Shatavadhani Dr. R. Ganesh organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
			and Research Institute
13.	Aneek Kumar Das	16th April to 22th April 2023	Workshop on Karaka Prakaranam organised by Mahamahopadhyaya Gopinath Kabiraja sanskrit sansthana.
14.	Aneek Kumar Das	5th May to 30th June, 2023	Online Certificate Course in Caraka-Saṃhitā conducted by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
15.	Aneek Kumar Das	10th July to 10 August, 2023	Workshop on “Tattvapradipika” organised by Department of Sanskrit & Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
16.	Aneek Kumar Das	15th April, 2023	Webinar by Deoghar foundation on रामायण-तत्त्व-चिन्तन by Deoghar Foundation
17.	Basudev Gorai	6th-22nd July, 2023	Workshop On प्रौढमनारमा, कारकप्रकरणम् by RKMVERI
18.	Buddhadev Das	23, 24, 25 Dec 2023	Attended the International Conference on “Quantum and Vedanta”, organized by Vedanta Bharati, Krishnarajanagar, Mysore, Venue: Convention Centre, Royal Heritage Hotel and Resorts, Ayodhya
19.	Buddhadev Das		Attended the One Day International Conference on “Samasa”, organized by Scottish Church College, Department of Sanskrit, University of Calcutta.
20.	Buddhadev Das	6 Dec 2023	Attended the Whole Day National Seminar on “Kautilya’s Arthashastra”, organized by Department of Sanskrit and Philosophy, RKMVERI
21.	Buddhadev Das	15 Dec 2023, Fri, 11 am to 12.45 pm	Attended a Special Lecture on “Ritam – The Central Concept in the Vedas” organized by Department of Sanskrit and Philosophy, RKMVERI.

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
22.	Buddhadev Das		Attended the Three Day National Level Webinar on “श्रुतिपरम्परायां ज्ञानतत्त्वस्य ऐतिह्यमीमांसा”, organized by Mahamahopadhyay Gopinath Kabiraj Sanskrit Sansthan.
23.	Buddhadev Das		Attended the Seven Day National Workshop on “श्रीमद्भगवद्गीतायां कर्मयोगः, तस्य सामाजिकपक्षश्च” organized by Sri Sitaram Vedic Adarsha Sanskrit Mahavidyalaya, Kolkata from 20.03.2024 to 22.03.2024 & 27.03.2024 to 30.03.2024.
24.	Buddhadev Das	27 Nov 2023	Attended the Online Workshop on “Advaita-siddhi” organized by Department of Sanskrit and Philosophy, RKMVERI from 23 January to 29 February 2024.
25.	Chandan Mukherjee	26 Jul, 2023	ICPR Lecture on the topic “Quantum Physics and Advait Vedanta” organised by Moolji Jaitha College, Jalgaon
26.	Chandan Mukherjee	27 - 28 Jul 2023	Two Days National Program on the theme “Advait Vedant of Shankaracharya” organised by Moolji Jaitha College, Jalgaon
27.	Chandan Mukherjee	28 Sep 2023 to 30 Sep 2023	Three Day National Seminar on श्रीशङ्कराचार्योत्तराद्वैतवेदान्तस्य दार्शनिकं प्रतिचित्रणम् (Philosophical Mapping of Post Shankar Advaita Vedanta) organised by Shree Jagannatha Sanskrit University, Puri
28.	Chandan Mukherjee	18 - 22 Sep, 2023	5 Days Workshop on अनुसन्धानसरणिः by CSU, Vedavyas Campus
29.	Pankaj Raul	5 may to 30 Jun 2023	Participated in the Online Certificate Course in Caraka-saṃhitā, Department of Sanskrit and Philosophy, RKMVERI
30.	Pritam Bera	6 to 22 Jul 2023	Workshop On प्रौढमनारमा, कारकप्रकरणम् by RKMVERI
31.	Pritam Bera	19th December,	Participated in a Day-long Workshop on Some Important Aspects of Samāsa according to

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
		2023.	<i>Pāṇinīyan</i> Grammar organized by the Department of Sanskrit, Scottish Church College, Kolkata, on
32.	Pritam Bera	26th February to 3th March, 2024.	Participated in a Seven-Day National Workshop on “ <i>Mahābhāṣyasya Kārahnikasya Adhyayanam</i> ” organized by Central Sanskrit University, Rajib Gandhi Campus
33.	Pritam Bera	14 - 20 March, 2024	Participated in the National Workshop on Manuscriptology and Palaeography (Advanced Level) organized by the Department of Manuscriptology and Palaeography, Ganganath Jha Campus, Central Sanskrit University
34.	Pritam Bera	28 March, 2024.	Attended a Special Lecture on Vedanta and Indian Aesthetics (<i>Alankāra-śāstra</i>) by Śatāvadhānī Dr. R Ganesh, organized by Ramakrishna Mission Vivekananda Educational and Research Institute
35.	Pritam Bera	6 - 12 Nov 2023	Participated in the National Workshop on Indian Knowledge Systems: Concepts and Applications, organized by School of Management, NIT Rourkela in association with Department of Humanities and Social Sciences and Department of Mining Engineering, NIT Rourkela
36.	Pritam Bera	4 - 11 Nov 2023	Participated in the Seven-Day National Workshop on Devatāyanam, organized by the Department of Vāstu and Jyotiṣa, Rajiv Gandhi Campus, Central Sanskrit University, Sringeri
37.	Pritam Bera	14 - 20 March, 2024.	Participated in the Seven-Day National Workshop on वैयाकरणसिद्धान्तलघुमञ्जूषायाः बौद्धार्थप्रकरणस्य विशिष्टमध्ययनम् organized by the Department of Vyakarana, Lal Bahadur Shastri National Sanskrit University
38.	Pritam Bera	25 - 27 March, 2024	Participated in the Three-day Online Course titled <i>Saṃskṛtālokaḥ-Mātrkākrṣṭiḥ</i> organized by Amrita School of Spiritual and Cultural Studies, Amrita Vishva Vidyapeetham, Amritapuri

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
			Campus
39.	Pritam Bera	20 - 29 March, 2024	Participated in the Eight-Days Online National NEP Orientation and Sensitization Programme jointly organized by Malaviya Mission Teacher Training Centre and National Sanskrit University, Tirupati
40.	Pritam Bera	27th December, 2023.	Participated in the One-Day Online International Symposium on the Studies in the Aṣṭādhyāyī, organized by Amrita Darshanam ICSS, Amrita Vishwa Vidyapeetham
41.	Pritam Bera	29 Nov 2023.	Participated in the National Program of Study Circle Lecture Series on Philosophical Tradition of Kashmir Shaivism, organized by Department of Philosophy, M.J.College, Jalgaon
42.	Pritam Bera	27 October, 2023.	12. Participated in the National Program of Study Circle Lecture Series on Philosophical Counselling and Indian Philosophy, organized by Department of Philosophy, M.J.College, Jalgaon
43.	Pritam Bera	13. 27 November, 2023	Attended a Special Lecture on Advaita- The one and Many, organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math, Howrah
44.	Pritam Bera	14.15 December, 2023.	Attended a Special Lecture on Ṛtam- the Central Concept in the Vedas, organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math, Howrah
45.	Pritam Bera	15. 18-22 December, 2023.	Participated in the National Workshop on Śodhaprastāvopakarāṇanirmāṇakāryaśālā organized by Bhopal Campus, Central Sanskrit University, Bhopal
46.	Pritam Bera	16. January 14, 2024.	Attended a Course titled An Introduction to Śāradā Lipi offered by Vimarsha Foundation and Core Sharada Team from

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
47.	Prolay Nandi	6 July to 22nd July 2023	Workshop in <i>Prauḍhamanoramā (Kāraḱaprakaraṇam)</i> conducted in hybrid mode by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
48.	Prolay Nandi	5 May 2023 to 30 June 2023	Online Certificate Course in <i>Caraka-Saṃhitā</i> conducted by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
49.	Prolay Nandi	3 to 5 April 2023	Webinar on 'Script and Manuscripts' organised by Department of Sanskrit, Faculty of Arts, Communication & Indic Studies, Sri Sri University, Cuttack, Odisha in collaboration with SIDDHAM.
50.	Prolay Nandi	4 April 2023	Seminar on "Science in Sanskrit" organized by the Department of Sanskrit in collaboration with IQAC, Tulasi Women's College, Kendrapara.
51.	Prolay Nandi	19 Dec 2023	Participated in a Day-long Workshop on "Some Important Aspects of Samāsa according to Pāṇinīyan Grammar" organized by the Department of Sanskrit, Scottish Church College, Kolkata
52.	Prolay Nandi	6 Dec 2023	Participated in a Day-long National Seminar on " <i>Kauṭilya's Arthaśāstra</i> : Its relevance and applicability to the modern times" organized by Ramakrishna Mission Vivekananda Educational and Research Institute
53.	Prolay Nandi	26 Feb to 3 Mar 2024	Participated in a Seven-Day National Workshop on " <i>Mahābhāṣyasya Kāraḱāhnikasya Adhyayanam</i> " organized by Central Sanskrit University, Rajib Gandhi Campus
54.	Prolay Nandi	10th to 20th March 2024.	Participated in a Ten-Day National Workshop on " <i>Nyāyabodhini-Padaḱṛtya-Dīpikāsaḱitaḱ Tarkasaṅgrahaḱ</i> " organized by Kavikulaguru Kalidas Sanskrit University Ramtek
55.	Prolay Nandi	20 to 22 Mar	Participated in a Seven-Day National Workshop

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
		and 27 to 30 March, 2024.	on “ <i>Śrīmadbhagavadgītāyāṃ Karmayoga: Tasya Sāmājikapakṣaśca</i> ” organized by Sri Sitaram Vaidic Adarsha Sanskrit Mahavidyalaya
56.	Prolay Nandi	28 Mar 2024.	Attended a Special Lecture on Vedanta and Indian Aesthetics (<i>Alaṅkāra-śāstra</i>) by Śatāvadhānī Dr. R Ganesh, organized by Ramakrishna Mission Vivekananda Educational and Research Institute
57.	Provat kumar mondal	10 Jul to 10 Aug 2023	Participated in the International Workshop in Tattvapradipika (Citsukhi) conducted in online mood by the Dept. Of Sanskrit and Philosophy, RKMVERI, Belur Math
58.	Provat kumar Mondal	19th Dec 2023.	Participated in a Day-long Workshop on Some Important Aspects of Samāsa according to <i>Pāṇinīyan</i> Grammar organized by the Department of Sanskrit, Scottish Church College, Kolkata,
59.	Provat kumar Mondal	6th Dec 2023.	Participated in a Day-long National Seminar on “ <i>Kauṭilya’s Arthaśāstra</i> : Its relevance and applicability to the modern times” organized by Ramakrishna Mission Vivekananda Educational and Research Institute
60.	Provat kumar Mondal	28th Mar 2024.	Attended a Special Lecture on Vedanta and Indian Aesthetics (<i>Alaṅkāra-śāstra</i>) by Śatāvadhānī Dr. R Ganesh, organized by Ramakrishna Mission Vivekananda Educational and Research Institute
61.	Provat kumar Mondal	12 - 22 Feb 2024	Participated in the Ten-Day-Workshop on <i>Tarkatāṇḍava</i> organized by the Department of Dvaita Vedanta, National Sanskrit University, Tirupati
62.	Provat kumar Mondal	27 Nov 2023.	Attended a Special Lecture on Advaita- The one and Many, organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math, Howrah,
63.	Provat kumar	15 Dec 2023	Attended a Special Lecture on Ṛtam- the Central

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
	Mondal		Concept in the Vedas, organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math, Howrah
64.	Rahul Maity	4 Mar to 20 May.	Credit Course of Learn Sharada Lipi conducted by Indica Course.
65.	Rahul Maity	5 May to 30 Jun	Online 2 Credit Certificate Course on <i>Caraka-samihitā</i> conducted by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
66.	Rahul Maity	18 Sep to 22 Sep	Online Workshop on Anusandhānasaraṇiḥ Conducted by Vedavyasa Campus, Central Sanskrit University
67.	Rajesh Adhikari	28 Sep 2023 to 30 Sep 2023.	Three Day National Seminar on श्रीशङ्कराचार्योत्तराद्वैतवेदान्तस्य दार्शनिकं प्रतिचित्रणम् (Philosophical Mapping of Post Shankar Advaita Vedanta) organised by Shree Jagannatha Sanskrit University, Puri
68.	Rajesh Adhikari	10 Jul to 10 Aug	Participated in the International Workshop in Tattvapradipika (Citsukhi) conducted in online mood by the Dept. Of Sanskrit and Philosophy, RKMVERI, Belur Math
69.	Rajesh Adhikari	23, 24, 25 Dec 2023	Attended the International Conference on “Quantum and Vedanta”, organized by Vedanta Bharati, Krishnarajanagar, Mysore, Venue: Convention Centre, Royal Heritage Hotel and Resorts, Ayodhya.
70.	Rajesh Adhikari		Attended the One Day International Conference on “Some important aspects of samāsa according to Pāṇinīya Grammar”, organized by Scottish Church College, Department of Sanskrit, University of Calcutta.
71.	Rajesh Adhikari	20 Mar to 22 Mar 2024	Attended the Seven Day National Workshop on “श्रीमद्भगवद्गीतायां कर्मयोगः, तस्य सामाजिकपक्षश्च”

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
		and 27.Mar to 30 Mar 2024.	organized by Sri Sitaram Vedic Adarsha Sanskrit Mahavidyalaya, Kolkata
72.	Rajesh Adhikari	23 January to 29 February 2024.	Attended the Online Workshop on “Advaita-siddhi” organized by Department of Sanskrit and Philosophy, RKMVERI
73.	Rajesh Adhikari	28 Mar 2023	Attended a special lecture on the topic Vedanta and Indian Aesthetics (<i>alankāra-śāstra</i>) by Shatavadhani Dr. R. Ganesh organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute.
74.	Rajesh Adhikari	27 Nov 2023	Attended a special lecture on the topic “Advaita – the One and Many” by Prof. Anantanand Rambachan organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute.
75.	Rajesh Adhikari	15 Dec 2023	Attended special lecture on the topic “Ṛtam – the Central Concept in the Vedas” by Swami Padmanabhanandaji Maharaj organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute
76.	Rajkumar Mondal	06 Jul to 22 Jul 2023.	Workshop in <i>Praudhāmanoramā (Kāraprakaraṇam)</i> conducted in hybrid mode by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
77.	Rajkumar Mondal	5 May 2023 to 30 Jun 2023.	Online Certificate Course in Caraka-Saṃhitā conducted by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
78.	Rajkumar Mondal	3 to 5 Apr 2023	Webinar on ‘Script and Manuscripts’ organised by Department of Sanskrit, Faculty of Arts, Communication & Indic Studies, Sri Sri University,

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
			Cuttack, Odisha in collaboration with SIDDHAM.
79.	Rajkumar Mondal	4 Apr 2023	Seminar on "Science in Sanskrit" organized by the Department of Sanskrit in collaboration with IQAC, Tulasi Women's College, Kendrapara."
80.	Rajkumar Mondal	6 Dec 2023	Attended a national level seminar on "Kauṭilya's <i>Arthaśāstra</i> " organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute.
81.	Rajkumar Mondal	15 Dec 2023	Attended special lecture on the topic "Ṛtam – the Central Concept in the Vedas" by Swami Padmanabhanandaji Maharaj organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute
82.	Rajkumar Mondal	27 Nov 2023	Attended a special lecture on the topic "Advaita – the One and Many" by Prof. Anantanand Rambachan organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute.
83.	Rajkumar Mondal	28 Mar 2023	Attended a special lecture on the topic Vedanta and Indian Aesthetics (<i>alanikāra-śāstra</i>) by Shatavadhani Dr. R. Ganesh organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute
84.	Rajkumar Mondal	26 Feb to 3th Mar 2024	Participated in a Seven-Day National Workshop on " <i>Mahābhāṣyasya Kārahnikasya Adhyayanam</i> " organized by Central Sanskrit University, Rajib Gandhi Campus from 26th February to 3th March, 2024."
85.	Saikat Mohanta	6 to 22 July 2023 16 Sep 2023	Workshop On प्रौढमनारमा, कारकप्रकरणम् by RKMVERI पाणिनीयतन्त्रे कारकचर्चा by Department of Sanskrit, Ramakrishna Mission Vidyamandir, Belur Math

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
86.	Saikat Mohanta	16 Sep 2023	पाणिनीयतन्त्रे कारकचर्चा by Department of Sanskrit, Ramakrishna Mission Vidyamandir, Belur Math
87.	Saikat Mohanta	19 Dec 2023	Attended a day-long workshop on “Some important aspects of samāsa according to Pāṇinīya Grammar” organized by the Department of Sanskrit of Scottish Church College.
88.	Saikat Mohanta	6 Dec 2023	Attended a national level seminar on “ <i>Kauṭilya’s Arthaśāstra</i> ” organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute.
89.	Saikat Mohanta	15 Dec 2023	Attended special lecture on the topic “ <i>Ṛtam</i> – the Central Concept in the Vedas” by Swami Padmanabhanandaji Maharaj organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute
90.	Saikat Mohanta	27 Nov 2023	Attended a special lecture on the topic “Advaita – the One and Many” by Prof. Anantanand Rambachan organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute.
91.	Saikat Mohanta	12 - 20 Mar 2024	Attended an online workshop on <i>vaiyākaraṇasiddhāntakaumudī (sannantaprakaraṇam)</i> organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute.
92.	Saikat Mohanta	28 Mar 2023	Attended a special lecture on the topic Vedanta and Indian Aesthetics (alaṅkāra-śāstra) by Shatavadhani Dr. R. Ganesh organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute
93.	Sankha Subhra	14 Feb to 4	Online Certificate Program on

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
	Gachchhit	May.	<i>Laghuvāsudevamananam</i> jointly conducted by Veda Vijnana Shodha Samsthanam and Karnataka Sanskrit University.
94.	Sankha Subhra Gachchhit	5 May to 30 Jun, 2023.	Online certificate course on <i>Carakasamhitā</i> conducted by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math.
95.	Sankha Subhra Gachchhit	3 to 5 Apr 2023.	Three day International Webinar on Script and Manuscripts organized by Department of Sanskrit, Faculty of Arts, Communication and Indic Studies, Sri Sri University, Cuttak, Odisha in collaboration with SIDDHAM.
96.	Sankha Subhra Gachchhit	6 -22 Jul 2023.	International Workshop in <i>Praudhamanoramā (Kāraprakaraṇam)</i> Conducted in Hybrid Mode by Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
97.	Sankha Subhra Gachchhit	18 - 22 Sep 2023	Online Workshop on Anusandhānasaraṇiḥ Conducted by Vedavyasa Campus, Central Sanskrit University
98.	Sankha Subhra Gachchhit	19 Dec 2023.	Participated in a Day-long Workshop on ‘Some Important Aspects of Samāsa according to <i>Pāṇinīyan</i> Grammar’ organized by the Department of Sanskrit, Scottish Church College, Kolkata
99.	Sankha Subhra Gachchhit	6 Dec 2023	Participated in a Day-long National Seminar on “ <i>Kauṭilya’s Arthaśāstra</i> : Its relevance and applicability to the modern times” organized by Ramakrishna Mission Vivekananda Educational and Research Institute
100.	Sankha Subhra Gachchhit	26 Feb to 3 Mar 2024.	Participated in a Seven-Day National Workshop on “ <i>Mahābhāṣyasya Kārahnikasya Adhyayanam</i> ” organized by Central Sanskrit University, Rajib Gandhi Campus
101.	Sankha Subhra	14 - 20 Mar	Participated in the National Workshop on

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
	Gachchhit	2024	Manuscriptology and Palaeography (Advanced Level) organized by the Department of Manuscriptology and Palaeography, Ganganath Jha Campus, Central Sanskrit University
102.	Sankha Subhra Gachchhit	28 Mar 2024.	Attended a Special Lecture on Vedanta and Indian Aesthetics (<i>Alaṅkāra-śāstra</i>) by Śatāvadhānī Dr. R Ganesh, organized by Ramakrishna Mission Vivekananda Educational and Research Institute
103.	Sankha Subhra Gachchhit	12 - 22 Feb 2024.	Participated in the Ten-Day-Workshop on <i>Tarkatāṇḍava</i> organized by the Department of Dvaita Vedanta, National Sanskrit University, Tirupati
104.	Sankha Subhra Gachchhit	6 - 12 Nov 2023.	Participated in the National Workshop on Indian Knowledge Systems: Concepts and Applications, organized by School of Management, NIT Rourkela in association with Department of Humanities and Social Sciences and Department of Mining Engineering, NIT Rourkela
105.	Sankha Subhra Gachchhit	4 - 11 Nov 2023.	Participated in the Seven-Day National Workshop on Devatāyanam, organized by the Department of Vāstu and Jyotiṣa, Rajiv Gandhi Campus, Central Sanskrit University, Sringeri
106.	Sankha Subhra Gachchhit	14 - 20 Mar 2024.	Participated in the Seven-Day National Workshop on वैयाकरणसिद्धान्तलघुमञ्जूषायाः बौद्धार्थप्रकरणस्य विशिष्टमध्ययनम् organized by the Department of Vyakarana, Lal Bahadur Shastri National Sanskrit University
107.	Sankha Subhra Gachchhit	25 - 27 Mar 2024.	Participated in the Three-day Online Course titled <i>Samskṛtālokaḥ-Mātrkākrṣṭiḥ</i> organized by Amrita School of Spiritual and Cultural Studies, Amrita Vishva Vidyapeetham, Amritapuri Campus
108.	Sankha Subhra Gachchhit	20 - 29 Mar 2024	Participated in the Eight-Days Online National NEP Orientation and Sensitization Programme jointly organized by Malaviya Mission Teacher Training Centre and National Sanskrit University,

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
			Tirupati
109.	Sankha Subhra Gachchhit	27 Dec 2023	Participated in the One-Day Online International Symposium on the Studies in the Aṣṭādhyāyī, organized by Amrita Darshanam ICSS, Amrita Vishwa Vidyapeetham
110.	Sankha Subhra Gachchhit	29 Nov 2023	Participated in the National Program of Study Circle Lecture Series on Philosophical Tradition of Kashmir Shaivism, organized by Department of Philosophy, M.J.College, Jalgaon
111.	Sankha Subhra Gachchhit	27th Oct 2023	Participated in the National Program of Study Circle Lecture Series on Philosophical Counselling and Indian Philosophy, organized by Department of Philosophy, M.J.College, Jalgaon
112.	Sankha Subhra Gachchhit	27 Nov, 2023	Attended a Special Lecture on Advaita- The one and Many, organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math, Howrah
113.	Sankha Subhra Gachchhit	15 Dec 2023	Attended a Special Lecture on Ṛtam- the Central Concept in the Vedas, organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math, Howrah
114.	Sankha Subhra Gachchhit	18 - 22 Dec 2023	Participated in the National Workshop on Śodhaprastāvopakaraṇanirmāṇakāryaśālā organized by Bhopal Campus, Central Sanskrit University, Bhopal
115.	Sankha Subhra Gachchhit 2	14 Jan 2024	Attended a Course titled An Introduction to Śāradā Lipi offered by Vimarsha Foundation and Core Sharada Team
116.	Santanu Nayek	4 Mar to 20 May 2023	Credit Course of Learn Sharada Lipi conducted by Indica Course.
117.	Santanu Nayek	5 May to 30 Jun 2023	Online 2 Credit Certificate Course on Caraka-samihitā conducted by Department of Sanskrit

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
			and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
118.	Santanu Nayek	6 Jul to 22 Jul 2023	International Workshop in <i>Praudhamanoramā (Kārakaparakaraṇam)</i> Conducted in Hybrid Mode by Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
119.	Santanu Nayek	18 Sep to 22 Sep 2023	Online Workshop on <i>Anusandhānasaraṇiḥ</i> Conducted by Vedavyasa Campus, Central Sanskrit University.
120.	Santanu Nayek	27 Nov 2023	Attended a special lecture on the topic “Advaita – the One and Many” by Prof. Anantanand Rambachan organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
121.	Santanu Nayek	6 Dec 2023	Participated in a Whole Day National Seminar on “ <i>Kauṭilya’s Arthaśāstra</i> : Its relevance and applicability to the modern times” organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
122.	Santanu Nayek	15 Dec 2023	Attended a special lecture on the topic “ <i>Ṛtam</i> – the Central Concept in the Vedas” by Swami Padmanabhanandaji Maharaj organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
123.	Santanu Nayek	19 Dec 2023	Participated in the Day-Long Workshop on “Some Important Aspects of Samāsa according to <i>Pāṇinīyan</i> Grammar” organized by the Department of Sanskrit, Scottish Church College, Under the esteemed guidance of the Department of Sanskrit, University of Calcutta.
124.	Santanu Nayek	18 Jan - 29 Feb 2024	Attended a special lecture on the topic “ <i>Taddhitaparakaraṇam in Vaiyākaraṇa-siddhānta-kaumudī</i> , in the light of the traditional glosses

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
			Bālamānoramā and Tattvabodhinī"" by Prof. Shivaram Ramakrishna Bhat organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
125.	Santanu Nayek	12 Feb - 20 Mar 2024	Participated in the online workshop on "Vaiyākaraṇa-siddhānta-kaumudī (sannanta-prakaraṇam)"" organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
126.	Santanu Nayek	28 Mar 2024	Attended a Special Lecture on ""Vedānta and Indian Aesthetics (Alankāra-sāstra)"" by Śatāvadhānī R Ganesh organized by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute."
127.	Shanti Ghosh	10 Jul 2023 to 10 Aug 2023	Participated in the International Workshop in Tattvapradīpikā (Citsukhī) conducted in online mood by the Dept. Of Sanskrit and Philosophy, RKMVERI, Belur Math
128.	Shanti Ghosh	27th October 2023	Participated in the Vakyārtha Parishad in the Sringeri Campus and Presented Shāstrārth on Brahmasūtre Sandhyadhikāranam (सन्ध्याधिकरणम्)
129.	Sourav Porel	3 rd - 5 th Apr, 2023	On Scripts and Manuscripts by Department of Sanskrit, Sri Sri University, Cuttack in collaboration with SIDDHAM
130.	Sourav Porel	16 Sep 2023	On पाणिनीयतन्त्रे कारकचर्चा by Department of Sanskrit, Ramakrishna Mission Vidyamandira, Belur Math.
131.	Sourav Porel	18 -22 Sep 2023	अनुसन्धानसरणिः by CSU, Vedavyas Campus
132.	Sourav Porel	6 - 22 Jul 2023	Workshop On प्रौढमनारमा, कारकप्रकरणम् by RKMVERI
133.	Sourav Porel	19 Dec 2023	Attended a day-long workshop on "Some

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
			important aspects of samāsa according to Pāṇinīya Grammar” organized by the Department of Sanskrit of Scottish Church College.
134.	Sourav Porel	6 Dec 2023	Attended a national level seminar on “ <i>Kauṭilya’s Arthaśāstra</i> ” organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute.
135.	Sourav Porel	15 Dec 2023	Attended special lecture on the topic “ <i>Ṛtam</i> – the Central Concept in the Vedas” by Swami Padmanabhanandaji Maharaj organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute
136.	Sourav Porel	27 Nov 2023	Attended a special lecture on the topic “Advaita – the One and Many” by Prof. Anantanand Rambachan organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute.
137.	Sourav Porel	12 - 20 Mar 2024	Attended an online workshop on <i>vaiyākaraṇasiddhāntakaumudī (sannanta-prakaraṇam)</i> organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute.
138.	Sourav Porel	28 Mar 2023	Attended a special lecture on the topic Vedanta and Indian Aesthetics (<i>alankāra-śāstra</i>) by Shatavadhani Dr. R. Ganesh organized by the Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute
139.	Subhadeep Das	5th May to 30th June, 2023	Online Certificate Course in Caraka- <i>Samhitā</i> conducted by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
140.	Subhadeep Das	3 to 5 April, 2023	"Webinar on ‘Script and Manuscripts’ organised by Department of Sanskrit, Faculty of Arts,

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
			Communication & Indic Studies, Sri Sri University, Cuttack, Odisha in collaboration with SIDDHAM.
141.	Subhadeep Das	10 July to 10 August, 2023	Workshop on “Tattvapradipika” organised by Department of Sanskrit & Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
142.	Subhadeep Das	18th to 22nd March, 2024.	Attended a International Textual Workshop on Panchadashi organized by Sree Sankaracharya Studies held
143.	Subhadeep Das	20 Mar to 22 Mar 2024 and 27 Mar to 30 Mar 2024	Attended a National Workshop on “श्रीमद्भगवद्गीतायां कर्मयोगः, तस्य सामाजिकपक्षश्च” organized by Sri Sitaram Vaidic Adarsha Sanskrit Mahavidyalaya held
144.	Subhadeep Das	22 Mar to 28 Mar 2024	Attended a National Workshop on “न्यायामृताद्वैतसिद्धिग्रन्थयोः पञ्चमिथ्यात्वलक्षणविचारः” organized by Rajiv Gandhi Campus, Central Sanskrit University
145.	Subhadeep Das	20 Mar 2024 to 29 Mar 2024	Participated in the “NEP 2020 Orientation & Sensitization Programme” under MM-TTP of UGC organized by National Sanskrit University, Tirupati held
146.	Subhadeep Das	06 Dec 2023	Attended a Special Lecture on “Vedanta and Indian Aesthetics” organized by Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math on 28.03.2024.f) Attended a National Level Seminar on “Kauṭilya’s Arthasastra” organized by Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math
147.	Subhadeep Das	27 Nov 2023.	Attended a Special Lecture on “Advaita – One and Many” organized by Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
148.	Subhadeep Das	15.Dec 2023	Attended a Special Lecture on “ <i>Ṛtam</i> – the Central Concept in the Vedas” organized by Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math
149.	Subhankar Das	6 Jul 2023 to 22 Jul 2023	Workshop in <i>Prauḍhamanoramā (Kāraḱaparakaraṇam)</i> conducted in hybrid mode by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute
150.	Subhankar Das		A State Level Seminar On पाणिनीयतन्त्रे कारकचर्चा organised by Department of Sanskrit, Ramakrishna Mission Vidyamandira, Belur Math.
151.	Subhankar Das		Webinar on ‘Script and Manuscripts’ organised by Department of Sanskrit, Faculty of Arts, Communication & Indic Studies, Sri Sri University, Cuttack, Odisha in collaboration with SIDDHAM.
152.	Subhankar Das	11th to 20th March, 2024	Participated in a Ten-Day National Workshop on “ <i>Nyāyabodhini-Padaḱṛtya-Dīpikāśahitaḱ Tarkasaṅgrahaḱ</i> ” organized by Kavikulaguru Kalidas Sanskrit University Ramtek
153.	Sukhdev Shau	14 Feb to 4 May 2023	Participated in the Online Certificate Program on <i>laghuvāsudevamananam</i> , Veda Vijnana Shodha Samsthanam and Karnataka Samskrit University.
154.	Sukhdev Shau	5 May to 30 Jun 2023	Participated in the Online Certificate Course in <i>Caraka-saṁhitā</i> , Department of Sanskrit and Philosophy, RKMVERI
155.	Sukhdev Shau	4 March to 20 May 2023	Participated in the 1 credit Course of Learn Sharada Lipi, Indica Course
156.	Sukhdev Shau	19 Dec 2023	Participated in a Day-long Workshop on “Some Important Aspects of Samāsa according to <i>Pāṇinīyan Grammar</i> ” organized by the Department of Sanskrit, Scottish Church College, Kolkata, on 19th December, 2023.

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
157.	Sukhdev Shau	6 Dec 2023	Participated in a Day-long National Seminar on " <i>Kauṭilya's Arthaśāstra</i> : Its relevance and applicability to the modern times" organized by Ramakrishna Mission Vivekananda Educational and Research Institute on 6th December, 2023.
158.	Sukhdev Shau	28 Mar 2024	Attended a Special Lecture on Vedanta and Indian Aesthetics (<i>Alankāra-śāstra</i>) by Śatāvadhānī Dr. R Ganesh, organized by Ramakrishna Mission Vivekananda Educational and Research Institute on 28th March, 2024.
159.	Sukhdev Shau	30 Oct to 3 Nov 2023.	Five Days National Level Online Workshop on Tattvabodha of Adi-Sankaracharya organised by Central Sanskrit University, Shri Raghunath Kirti Campus, Devprayag
160.	Sukhdev Shau	8 Oct 2023	A one day international level Seminar of "Introspection of Temples of Bengal"" organised by Bankura Itihas Sikshan Kendra, Heritage foundation: Bengal Branch
161.	Sukhdev Shau	12th February to 20th March 2023.	Online Workshop on Vaiyakarana Siddhanta Kaumudi (Sannanta Prakaranam) organised by Ramakrishna Mission Vivekananda Educational and Research Institute"
162.	Tuhin Mandal	6 - 22 Jul 2023	Workshop On प्रौढमनारमा, कारकप्रकरणम् by RKMVERI
163.	Tuhin Mandal	5 May to 30 Jun 2023	Online Certificate Course in <i>Caraka-Saṃhitā</i> conducted by the Department of Sanskrit and Philosophy, Ramakrishna Mission Vivekananda Educational and Research Institute.
164.	Tuhin Mandal	19 Dec 2023	Participated in a Day-long Workshop on "Some Important Aspects of Samāsa according to <i>Pāṇiniyan Grammar</i> " organized by the Department of Sanskrit, Scottish Church College, Kolkata, on 19th December, 2023.
165.	Tuhin Mandal	6 Dec 2023	Participated in a Day-long National Seminar on " <i>Kauṭilya's Arthaśāstra</i> : Its relevance and

Sl.	Name	Date	Details of Lectures / workshops / seminars / conferences / symposiums attended
			applicability to the modern times” organized by Ramakrishna Mission Vivekananda Educational and Research Institute on 6th December, 2023.
166.	Tuhin Mandal	26 Feb - 3 Mar 2024	Participated in a Seven-Day National Workshop on “ <i>Mahābhāṣyasya Kārahnikasya Adhyayanam</i> ” organized by Central Sanskrit University, Rajib Gandhi Campus from 26th February to 3th March, 2024.
167.	Tuhin Mandal	12 Feb to 20 Mar 2024.	Participated in an online Workshop on Vaiyakarana Siddhanta Kaumudi (Sannanta Prakaranam) organised by Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math from 12th February to 20th March, 2024.
168.	Tuhin Mandal	28 Mar 2024.	Attended a Special Lecture on Vedanta and Indian Aesthetics (<i>Alankāra-śāstra</i>) by Śatāvadhānī Dr. R Ganesh, organized by Ramakrishna Mission Vivekananda Educational and Research Institute on 28th March, 2024.

Special Lectures, Extension Lectures, Workshops organised by the Department of Sanskrit and Philosophy

Special Lecture - 6

Sl	Topic	Duration	Resource Person	Participants
1.	<i>Śrīmad-bhāgavatam</i> (series of Special Lectures titled <i>Śrīmadbhāgavata-rasāsvādanam</i>)	2 days (One and half hour each day on 15 and 16 Aug 2023)	Prof.Narottam Senapati, Dept. of Sanskrit, Pali and Prakrit, Visva-Bharati	80 (BA, MA students, research scholars, teachers, and monks)
2.	<i>Nārayaṇīye Śrīmadbhāgavata-kathā</i> (series of Special Lectures titled	3 days (One hour each day 28, 29 and 30 Aug 2023)	Dr.K.Unnikrishnan Retd. Vice-Principal, Government Sanskrit College, Thiru-	80 (BA, MA students, research scholars, teachers, and monks)

Sl	Topic	Duration	Resource Person	Participants
	Śrīmadbhāgavata-rasāsvādanam)		vananthapuram, Kerala	
3.	Advaita - the One and Many'	27 Nov 2023, from 3.30 to 5.00 PM	Prof. Anantanand Rambachan, Professor Emeritus of Religion, Saint Olaf College, Northfield, Minnesota, United States	80 (BA, MA students, research scholars, teachers, and monks)
4.	The Content of the Vedas - Ṛtam	15 Dec 2023, Fri, 11 am to 12.45 pm	Pujaniya Swami Padmanbhanandaji Maharaj, Vice- President of Rishikesh Sivananda Ashrama, The Divine Life Society	80 (BA, MA students, research scholars, teachers, and monks)
5.	<i>Kālagāṇanā: Vaidikī Paddhatiḥ</i> (Calculation of Time: The Vedic Way)	28 Feb 2024, Wednesday, 3 to 4.30 pm	Prof. N.K. Sundareswaran, Professor, Department of Sanskrit, University of Calicut	80 (BA, MA students, research scholars, teachers, and monks)
6.	Vedanta and Indian Aesthetics (<i>Alaṅkāra-śāstra</i>)	28 Mar 2024, Thu, 2 pm to 4.30 pm	Śatāvadhānī Dr. R Ganesh, Bengaluru	80 (BA, MA students, research scholars, teachers, and monks)

Additional Reference

YouTube link to the playlist of the video recordings of the aforesaid Special Lectures:

1. *Śrīmad-bhāgavatam* (series of Special Lectures titled *Śrīmadbhāgavata-rasāsvādanam*) - <https://youtube.com/playlist?list=PL-3IQqoCBO3NBASb4BqXED9aAsW8P84-Q&feature=shared>
2. *Advaita* - the One and Many - <https://youtu.be/t9a5YpJjc-c?feature=shared>
3. Vedanta and Indian Aesthetics (*Alaṅkāra-śāstra*) - <https://youtu.be/pyShNN6m0ao?feature=shared>

Extension Lecture - 10

Sl	Topic	Duration	Resource Person	Participants
1.	Extension Lectures on <i>Vaiyākaraṇa-bhūṣaṇasāra</i>	17 days (Two hours each day from 06 Jul to 22 Jul 2023)	Prof.Sripada Subrahmanyam, Professor of Sanskrit and Dean (Rtd.), Telugu University	15 (MA students, research scholars, and teachers)
2.	Extension Lectures on • The chapter on Rasa in <i>Sāhitya-darpaṇaḥ</i> • <i>Dhvanyālokaḥ</i> with the locana gloss from the beginning	2 days (Two hours each day on 29, 30 Aug 2023)	Dr.K.Unnikrishnan Retd. Vice-Principal, Government Sanskrit College, Thiru-vananthapuram, Kerala	26 (BA, MA students of the programme <i>MA Integrated in Sanskrit</i>)
3.	Extension Lectures on <i>Vaiyākaraṇa-bhūṣaṇasāra</i>	5 days (Four hours each day from 24 to 28 Sep 2023)	Prof. Dattatreya Murthy, Sri Jagannath Sanskrit University, Puri	15 (MA students)
4.	Online Extension Lectures on <i>Taddhita-prakaraṇam</i> in <i>Vaiyākaraṇa-siddhānta-kaumudī</i>	18 days (One hour each day from 18 Jan 2024 to 29 Feb 2024)	Prof. Shivaram Ramakrishna Bhat, Professor and Head of the Department, Department of Research and Publications, National Sanskrit University, Tirupati	15 (MA students)
5.	Online Extension Lectures on <i>Dvandva-samāsa</i>	3 days (2 hours each days from 18, 19, and 20 Jan 2024)	Prof. Shivaram Ramakrishna Bhat, Professor, National Sanskrit University, Tirupati	33 (BA students)
6.	Extension Lectures on <i>Paribhāṣendu-śekhara</i>	3 days (One and half hours each day from 18, 19, and 20 January 2024)	Prof. Shivaram Ramakrishna Bhat, Professor, National Sanskrit University, Tirupati	11 (MA students)
7.	Extension Lectures on Technical Terms in <i>Nyāya-śāstra</i>	5 days (Two hours each day from 23 Jan to 27 Jan 2024)	Dr. Pushkar Deopujari, Assistant Professor in Vedanta, Calicut Adarsha Sanskrit Vidyapeetha, Balussery Kozhikode, Kerala	53 (BA and MA students)

Sl	Topic	Duration	Resource Person	Participants
8.	Online Extension Lectures on <i>Vedāntaparibhāṣā</i>	5 days (Two hours each day 23 Jan to 27 Jan 2024)	Dr. Pushkar Deopujari, Assistant Professor in Vedanta, Calicut Adarsha Sanskrit Vidyapeetha, Balussery Kozhikode, Kerala	19 (BA and MA students)
9.	Online Extension Lectures on <i>Taittirīyopaniṣad (Brahmānandavallī)</i>	One hour each day 26 Feb 2024 to the first week of May 2024	Dr. Vishwanath Hegde, Assistant Professor, Sringeri Campus, Central Sanskrit University	7 (MA students, Monks etc.)
10.	Online Extension Lectures on <i>Brahmasūtra</i> with <i>Śāṅkarabhāṣya</i> (4th chapter)	One hour each day From 26 Feb to 02 Mar 2024 and 14 Mar to May 2024	Sri. N Kuvalaya Datta, Teacher in Samaveda and Advaita Vedanta, Sri Ganapathy Sachchidananda Veda Pathashala, Avadhoota Datta Peetham, Mysore	6 (MA students)

Additional Reference

YouTube link to the playlist of the video recordings of the aforesaid extension lectures:

1. Extension Lecture in *Vaiyākaraṇabhūṣaṇasāra (Prof. Dattatreya Murthy)* - <https://youtube.com/playlist?list=PL-3IQqoCBO3OVUc3BVNx4Pd84rNxFEODI&feature=shared>
2. Online Extension Lectures on *Taddhita-prakaraṇam* in *Vaiyākaraṇa-siddhānta-kaumudī* - <https://youtube.com/playlist?list=PL-IQqoCBO3P94ogPftuKswYrritbuANJ&feature=shared>
3. Online Extension Lectures on *Dvandva-samāsa* - https://youtube.com/playlist?list=PL-3IQqoCBO3Nopb_F7cYuFh171jUkwmh5&feature=shared
4. Extension Lectures on *Paribhāṣendu-śekhara* - https://youtube.com/playlist?list=PL-3IQqoCBO3PmIaUWxOUzfuw5_V8IYC3H&feature=shared
5. Online Extension Lectures on *Taittirīyopaniṣad (Brahmānandavallī)* - <https://www.youtube.com/playlist?list=PL-3IQqoCBO3OXStE9fnPImU400ipmznMV>

Workshop - 5

Sl	Topic	Duration	Resource Person	Participants
1.	Online Workshop on <i>Praudhamanoramā (kāraprakaraṇam)</i>	15 days (Two hours each day from 6 Jul 2023	Prof.Sripada Subrahmanyam, Professor of Sanskrit	71 (MA students, research

Sl	Topic	Duration	Resource Person	Participants
		to 22 Jul 2023)	and Dean (Rtd.), Telugu University, Hyderabad	scholars, and teachers)
2.	Online Workshop on <i>Tattvapradīpikā</i> (<i>Citsukhī</i>)	26 days (One hour 15 minutes each day from 10 Jul 2023 to 10 Aug 2023)	Dr.Maheswaran, Assistant Professor, The Madras Sanskrit College, Chennai	70 (MA students, research scholars, teachers, and monks)
3.	Online Workshop on <i>Mahābhāṣyam</i> (<i>Paspaśāhnikam</i>)	38 days (One and half hour each day from 31 Jul 2023 to 13 October 2023)	Dr.Padmanabham, Assistant Inaugural Address: Professor, Central Sanskrit University, Sringeri Campus	73 (MA students, research scholars, and teachers)
4.	Workshop on <i>Advaita- Siddhi</i> (selected portions like <i>jaḍatva- hetu vicāra</i> in the first pariccheda)	Blended mode (23 Jan to 26 Jan 2024) Online (23 Jan to 26 Feb 2024)	Dr. Pushkar Deopujari, Assistant Professor in Vedanta, Calicut Adarsha Sanskrit Vidyapeetha, Balussery, Kozhikode, Kerala	15 (MA students, research scholars etc.)
5.	Online Workshop on <i>Vaiyākaraṇa-siddhānta- kaumudī</i> (starting from <i>sannantaprakaraṇam</i>)	15 days (One hour each day from 12 February 2024 to 16 March 2024)	Prof. Chandrashekar Bhat, Professor and Head of the Department, Department of Vyakarana, Sringeri Campus, Central Sanskrit University, Sringeri	28 (MA students, research scholars, and monks)

Additional Reference

YouTube link to the playlist of the video recordings of the aforesaid workshops:

1. Online Workshop in *Praudhamanoramā* (*kāraprak-araṇam*) -

<https://www.youtube.com/playlist?list=PL-3IQqoCBO3MuGC7ARRixYwtMVDkmHT5v>

2. Online Workshop in *Tattvapradīpikā* (*Citsukhī*) -

<https://youtube.com/playlist?list=PL-3IQqoCBO3McbghvCF4sPrGCiffdv9L>

3. Online Workshop in *Mahābhāṣyam (Paspasāhnikam)* -

<https://youtube.com/playlist?list=PL-3IQqoCBO3MVfzl8U-oZugYBaEzO4Wlx>

4. Workshop on *Advaita-Siddhi* (selected portions like jaḍatva-hetuvicāra in the first pariccheda)-https://youtube.com/playlist?list=PL-3IQqoCBO3OSC_b9Z7moP9CTYmciqK0e&feature=shared

Seminar – 1

Sl	Topic	Duration	Resource Person	Participants
1	<i>Kauṭilya's Arthaśāstra</i> - Its relevance and applicability to the modern times	1 day (06 December 2023, Wednesday from 10.00 am to 4 pm)	Swami Atmapriyananda Prof. Sachchidanand Dr.Paromita Roy Prof. Unnikrishnan K. Dr. Vinayak Rajat Bhat Swami Japasiddhananda	111 (MA students, research scholars, and faculty, Monks)

1. Details of the resource persons in the seminar mentioned above:

1. Address of Welcome: Revered Swami Atmapriyananda ji Maharaj, Pro-Chancellor & Secretary, RKMVERI
2. Keynote Address: Prof. Sachchidanand Mishra, Member Secretary, Indian Council of Philosophical Research, and Professor, Banaras Hindu University, Varanasi
3. Theme Talk: Dr.Paromita Roy, Assistant Professor and 'Swami Ahedananda Chair', Department of Sanskrit and Philosophy, RKMVERI, Belur, and Principal Investigator of the IKS
4. Prof. Unnikrishnan K., Professor and Shivananda Chair, Department of Sanskrit and Philosophy, RKMVERI, Belur
5. Special address: Dr. Vinayak Rajat Bhat, Associate Professor, Centre for Indian Knowledge Systems (IKS), Chanakya University, Bengaluru
6. Swami Japasiddhananda, Head, Department of Sanskrit and Philosophy

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

Sl.	Investigator (staff)	Name of the project & other details	Funding Agency
1	Dr.Paromita Roy Assistant professor and Shivananda Chair	The Project titled "Humanitarian Philosophy of India" was sent to ICPR through mail on 6 June 2023. Proposal submitted on 6 June 2023. Approved on: 5 October 2023 Duration: 2 years Amount sanctioned: Rs.6,00,000/- (Rupees Six Lakhs only)	ICPR

ANY OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

Sanskrit Camp

The Department of Sanskrit and Philosophy conducted Sanskrit Camps in various districts of West Bengal under the scheme "Promotion and spreading awareness of Sanskrit Language, Literature and Culture" as a part of the commemoration of 125th anniversary of the foundation of Ramakrishna Mission.

Total Sanskrit Camp - 16 / total no. participants 1659

Sl	Camp Venue	Date	Session Timing	No. of Participants
1.	Abhyudaya, Sutahata, Haldia, East Midnapore	19, 20 Aug 2023	9.30 am - 1 pm 2.30 - 4.30 pm	88
2.	Vivekananda Yuba Parishad, Satmile , Contai, East Midnapore	19, 20 Aug 2023	9.30 am - 1 pm 2 - 4.30 pm	52
3.	Dighalgram High School, Dighal Gram, Bankura	26, 27 Aug 2023	9.30 am-1.30 pm 2.30 - 4.30 pm	91
4.	Kangsabati Guccha Samity, Srirampur, Ratulia, Paschim Medinipur	26, 27 Aug 2023	10 am – 1.30 pm 2.30 - 4.15 pm	91
5.	Khantura Pritilata Siksha Niketan for	2, 3 Sep 2023	9 – 1 pm	88

Sl	Camp Venue	Date	Session Timing	No. of Participants
	Girls (H.S) Gobardanga, North 24 Parganas		2.30 – 4.30 pm	
6.	Belpahari S.C. High School (H.S), Belpahari, Jhargram	8, 9, 10 Sep 2023	9.30 am – 1 pm 2 – 4 pm	116
7.	Birbhum Sanskriti Bahini, Labhpur, Birbhum	9, 10 Sep 2023	9.30 am– 1 pm 2 - 5 pm	188
8.	Dasagram Satishchandra Sarbarthasadhak Sikshasadan Dasagram, Sabang, Paschim Medinipur	15, 16, 17 Sep 2023	9.30 – 1 pm 2 - 5 pm	128
9.	Tehatta Ramakrishna Ashram, Nadia	22, 23 and 24 Sep 2023	9.30 am – 1 pm 2 – 4 pm	137
10.	Atghara Sanhati Kendra, Harishpur, Basirhat, North 24 Parganas	23 and 24 Sep 2023	9.30 am – 1 pm 2 – 4 pm	60
11.	Dasagram Satishchandra Sarbarthasadhak Sikshasadan, Dasagram, Sabang, Paschim Medinipur	28, 29 Sep 2023	9.30 am – 1 pm 2 – 4 pm	115
12.	Bagharbard High School (H.S.), Vill – Bagharbard, PO – Bhadur, PS – Goghat, Dist – Hooghly	29 and 30 Sep 2023	9.30 am – 1 pm 2 – 4 pm	96
13.	Gopalbera High School (H.S), Vill+PO - Gopalbera PS. Khandaghosh, Dist. Purba Bardhaman, Pin 713427	29, 30 Sep and 1 Oct 2023	9.30 am – 1 pm 2 – 4 pm	99
14.	Pandit Raghunath Murmu Abasik School Chatri, PO - Dundar, Block - Raipur, Sub Division Khatra, Dist - Bankura	30 Sep, 1 and 2 Oct 2023	6 am – 7 am 9.30 am – 1 pm 2 – 5 pm	145
15.	Muktakantha, Shibaniipur, South 24 Parganas	6, 7 and 8 Oct 2023	9.30 am – 1 pm 2 – 4 pm	123
16.	Sarberia Sri Ramakrishana Vivekananda Sevashram Vill & Post – Sarberia, P.S. - Joynagar, Dist - 24 Parganas, Pin -743372	7 and 8 Oct 2023	9.30 am – 1 pm 2 – 4 pm	42

ANY OTHER MISCELLANEOUS INFORMATION

Best Practices

Cultural Activities		No. of Units/ Programs	Students / Participants					
			Boys	Girls	Total	S.C.	S.T.	B.C.
1	Values Education Programmes	Spiritual Heritage of India (271 classes)	65	—	65	16	1	18
2	Mānasollāsinī pariṣad (extra-curricular activity)	A weekly forum for the unfoldment of talent (25 sessions each of one hour)	65	—	65	16	1	18

Colloquium (fortnightly) for faculty members and research scholars

Śāradā-śāstrārtha-sabhā

No. of Colloquium	No. of participants
21 Jul 2023 – 17 May 2024 (19 days)	38

**NAME OF THE FACULTY CENTRE:
INTEGRATED RURAL DEVELOPMENT AND
MANAGEMENT, Narendrapur Campus**

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1.	Dr. Tapash Dasgupta	Professor & Dean
2.	Dr. Subrata Banerjee	Professor
3.	Dr. Rukhsana Chowdhury	Professor
4.	Dr. Kajal Sengupta	Professor
5.	Sankar Kumar Ghosh	Professor
6.	Dr. Abhijit Chakrabarti	Professor
7.	Dr PG Dhar Chakrabarti	Swami Vivekananda Chair Professor
8.	Dr. Rupak Goswami	Associate Professor
9.	Dr. Narayan Chandra Sahu	Senior Scientist (Associate Professor Cadre)
10.	Dr. Gautam Chatterjee	Assistant Professor
11.	Dr. Ashutosh Sawarkar	Assistant Professor
12.	Dr. Kishor Kumar	Associate Professor
13.	Dr. Sanchayeeta Misra	Assistant Professor
14.	Dr. Bhubansewar Pradhan	Assistant Professor
15.	Dr. Sukamal Sarkar	Assistant Professor
16.	Dr. Sourav Gorai	Assistant Professor
17.	Dr. Anirban Roy	Assistant Professor
18.	Dr. Sudipta Tripathi	Assistant Professor

19.	Dr. Sumanta Das	Assistant Professor
20.	Dr. Suman Dutta	Assistant Professor
21.	Dr Kunal Sikder	Assistant Professor
22.	Dr Subhadip Paul	Assistant Professor
23.	Dr Arkadeb Dutta	Assistant Professor
24.	Br. Manashdeep	Assistant Professor
25.	Dr. Arnab Basu	Assistant Professor and DBT Ramalingaswami fellow
26.	Dr. Pushkar Malakar	Assistant Professor and DST Ramanujan fellow
27.	Dr. Dipak Manna	Assistant Professor and DBT Ramalingaswami fellow
28.	Dr. Swagat Ghosh	Teaching cum Research Associate
29.	Dr. Abhijit Ghosal	Teaching cum Research Associate
30.	Dr. Prasenjit Kundu	Teaching cum Research Associate
31.	Dr. Sarbaswarup Ghosh	Teaching cum Research Associate
32.	Dr. Krishnendu Ray	Teaching cum Research Associate
33.	Dr. Rambabu Raman	Teaching cum Research Associate

NEW PROGRAMMES / COURSES STARTED IN THE YEAR

i) One Year Diploma in Intregrated Agriculture

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	M.Sc in Agriculture Biotechnology	22
2	M.Sc. in Agriculture and Rural Development	41
3	M.Sc. in Environment and Disaster Management	18
4	M.Sc. (Ag.) in Genetics and Plant Breeding	20
5	M. Sc. (Ag.) in Agronomy	20
6	PG Diploma in Post Harvest and Food Technology	13
7	M.Sc. in Medical Biotechnology	26
8	Ph.D. in Medical Biotechnology	06
9	Ph.D. in Agriculture Biotechnology	01
10	Ph.D. in Agriculture and Rural Development	03
11	Ph.D. in Environment and Disaster Management	04
12	Ph.D. (Ag.) in Genetics and Plant Breeding	0
13	PhD. (Ag.) in Agronomy	03
14	One Year Diploma in Intregrated Agriculture	08
Total		185

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	M.Sc. in Agricultural Biotechnology (AgBT)	23

2	M.Sc. in Agriculture and Rural Development (ARD)	29
3	M.Sc. in Environmental Science and Disaster Management (EDM)	14
4	M.Sc. (Ag.) in Genetics and Plant Breeding (GPB)	13
5	M.Sc. (Ag.) in Agronomy	11
6	PG diploma in Post-harvest Technology (PHFT)	19
7	M.Sc. in Medical Biotechnology (MdbT)	16
Total		125

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:

Sl. No.	Name of the Students	Graduated from	Admitted to	Program Name
1	Anannya Dhar	Agronomy	RKMVERI, Narendrapur	Ph.D. in Agronomy
2	Saikat Dey	Agronomy	RKMVERI, Narendrapur	Ph.D. in Agronomy
3	Soujanya Jana	Agronomy	RKMVERI, Narendrapur	Ph.D. in Agronomy
4	Moumita Roy	Agronomy	Visva-Bharati	Ph.D. in Agronomy
5	Madhurima Bauri	Agronomy	Visva-Bharati	Ph.D. in Agronomy
6	Koustov Roy	Genetics and Plant Breeding	School of Life Science, JNU, Delhi	Ph.D. in life Science
7	Diptyoti Gangulie	Agriculture and rural development	RKMVERI, Narendrapur	Ph.D. in ARD

Sl. No.	Name of the Students	Graduated from	Admitted to	Program Name
8	Rejaul SK	Agricultural Biotechnology	IARI, New Delhi	Ph.D. in Molecular biology and biotechnology
9	Amrita Dey	Agricultural Biotechnology	RKMVERI, Narendrapur	Ph.D. in Agricultural Biotechnology
10	Dipayan Kundu	Agricultural Biotechnology	JISIASR, Kolkata	Ph.D. in Bioinformatics
11	Deblina Roy	Agricultural Biotechnology	Pusan National University, South Koria	PhD in Life Science
12	Torsha Das	Agricultural Biotechnology	WBUTTERA	B.Ed
13	Rishab Kar	Medical Biotechnology	RKMVERI, Narendrapur	Ph.D. in Med. Biotechnology
14.	Santu Pal	Medical Biotechnology	CSIR-IICB	Ph.D. in Cell Biology
15	Subhajit Chakraborty	Medical Biotechnology	ICMR-NICED	Ph.D. in Biochemistry
16	Gaurav Nandi	PHFT	Padua University,Italy	M.S. in Italian Food and Wine Technology
17	Suraj Samui	PHFT	KIIT	MBA in Business Development
18	Shauni Ghosh	PHFT	RKMVERI, Narendrapur	M.Sc. in ARD

DETAILS OF STUDENTS PLACED:

Sl. No.	Name of the Students	Program Name	Organization Name	Designation
1	Rachna Das	ARD	Rajasthan Grameen Ajeevika Vikas Parishad (RGAVP), Govt. of Rajasthan	Young Professional
2	Rohit Kumar Das	ARD		Young Professional
3	Shreya Hazra	ARD		Young Professional
4	Sayan Saha	ARD		Young Professional
5	Tama Mitra	ARD		Young Professional
6	Pranamika Pradhan	ARD	Samhita Math, Bankura	CEO, FPO (Jharkhand)
7	Rony Dutta	ARD		CEO, FPO (Bardhaman)
8	Sahil Hossain	ARD		CEO, FPO (Katakalyan, Chhatishgarh)
9	Sayantana Mondal	ARD		CEO, FPO (Alipurduar)
10	Sutapa Adhikary	ARD	BAIF Institute for Sustainable Livelihoods and Development	Senior Project Officer
11	Parama Biswas	ARD		Senior Project Officer
12	Srijan Biswas	ARD		Senior Project Officer
13	Rupam Roy	ARD		Senior Project Officer
14	Ayanika Dutta	ARD		Senior Project Officer

Sl. No.	Name of the Students	Program Name	Organization Name	Designation
15	Soubhik Kundu	ARD	Midnapure Milk Union, West Midnapur	Fodder Manager
16	Sandip Saha	ARD	Bardhaman Milk Union, West Midnapur	CEO
17	Srayashree Saha	ARD	PRADAN	Development Apprenticeship
18	Poulami Ghosh	ARD	CINI-TATA Trust	Institution Anchor
19	Nahali Ghosh	ARD	--	FPC Financial Inclusion Officer
20	Riya Roy	ARD	--	Institution Anchor
21	Bappan Barman	ARD	Drishtee Foundation	Vidushi Fellow
22	Md. Iqbal	ARD	Change Initiative	Agriculture Expert
23	Ridhha Paul	ARD	Gandhi Fellowship	Gandhi Fellow
24	Sayantana Das	ARD	Gandhi Fellowship	Gandhi Fellow
25	Samarpita Bhattacharya	ARD	Prabha-Jharkhand	Project Officer
26	Soumita Kayal	ARD	Pan Seeds Pvt. Ltd.	Management Trainee
27	Agniv Mandal	Agronomy	BAIF Institute for Sustainable Livelihoods and Development	Senior Project Officer
28	Prasun Chatterjee	Agronomy		Senior Project Officer
29	Somedip	Agronomy	--	Senior Project Officer

Sl. No.	Name of the Students	Program Name	Organization Name	Designation
	Chatterjee			
30	Projjwal Saha	Agronomy	Bayer India	Market Development Supervisor
31	Subhadip Kar	Agronomy	Dhanyaganga Krishi Vigyan Kendra, RKMVERI	Manager, Bee Project
32	Arkadyuti Das	GPB	SYNGENTA	Technical Support Staff
33	Abhisek Biswas	GPB	MALI SEEDS	Trainee Breeder
34	Sritama Sarkar	GPB	Vanguard Kemagro Private Limited	Executive (Regulatory and Registration)
35	Archisman Mandal	GPB	Prajya Foundation	Consultant Project Tranee
36	Nirupama Singha	EDM	Centre for Environment Education & Development (CEED)	Research Associate
37	Avishek Kar	EDM	Indian Institute of Social Welfare and Business Management, Kolkata	Research Fellow
38	Diya Roy	EDM	WBPCB	Research Associate
39	Bibhas Ghosh	EDM	CINI-TATA Trust	Field Coordinator
40	Anuska Saha	EDM	CINI-TATA Trust	Field Coordinator
41	Saumik Roy Chowdhury	EDM	Pragya	Project Manager

Sl. No.	Name of the Students	Program Name	Organization Name	Designation
42	Souporno Bhattacharjee	EDM	Bharat Foundation	Lab Assistant
43	Neha Dutta	EDM	Mitra SK Pvt Limited	Techno commercial (Environment)
44	Anamika Sarkar	EDM	Aspiration IAS Academy	Manager (Academic)
45	Soumik Sadhukhan	EDM	Shortlisted by CEMPD	
46	Sayani Ghosh	EDM	UNICEF	Fund Raiser
47	V Rohit Kumar	EDM	IBRAD	Project Associate
48	Soumi Ghosh	AgBT	AK Enterprise	Assistant Microbiologist
49	Rohan Santra	AgBT	Intas Pharma	Trainee
50	Riddhi Chartarjee	AgBT	I-Tech Consultancy	Talent Acquisition Trainee
51	Shreosee Ghosh	MdbT	SHRM, Biotech	Scientific Officer
52	Koushik Nayek	MdbT	IISc, Bangalore	Research Assistant
53	Sumita Chatterjee	MdbT	NICED, Kolkata	Research Technician
54	Shreyashree Jana	MdbT	Gurukul Edutech Education & Research Foundation	Assistant Professor
55	Syeda Taufiq	MdbT	NICED, Kolkata	Research Assistant
56	Meghna Mondal	MdbT	RKMVERI	Research Assistant
57	Ayonava Sarkar	MdbT	Bycus Therapeutics,	Scientific Officer

Sl. No.	Name of the Students	Program Name	Organization Name	Designation
			Hyderabad	
58	Argha Neogi	PHFT	Elmac	Trainee
59	Priyanka Sarkar	PHFT	Bhagawati Biscuits Private Ltd., Kolkata	Quality Control Officer
60	Sandipan Mukherjee	PHFT	Meghna Farm (NDDDB Dairy), Diamond Harbour	Quality Control Officer
61	Subhamay Ghosh	PHFT	Popskiland Private Ltd., Madhyamagram	Chemist
62	Sujoy Das	PHFT	Rama Sugar Juice Factory	Quality control officer
63	Swati Chatterjee	PHFT	Thackers Dairy Private Ltd., Howrah	Trainee
64	Sourav Maity	PHFT	Dairy, Burdwan.	Entrepreneur

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of Current Ph. D. Scholars	Programme	Name of Supervisor
1	Abhijit Pal	PhD in Environment & Disaster Management	Dr. P.G. Dhar Chakraborty
2	Adrija Banerjee	PhD in Agricultural Biotechnology	Dr. Kishor Kumar
3	Aiswarya Bhattacharjee	PhD in Agricultural	Dr. Gautam Chatterjee

		Biotechnology	
4	Akash Kumar Halder	PhD in Medical Biotechnology	Dr. Kunal Sikder
5	Amrita Dey	PhD in Agricultural Biotechnology	Dr. Bhubaneswar Pradhan
6	Anannya Dhar	PhD in Agronomy	Dr. Sukamal Sarkar
7	Anowar Hossain	PhD in Genetics and Plant Breeding	Dr. Tapash Dasgupta
8	Argha Chakraborty	PhD in Agricultural Biotechnology	Dr. Gautam Chatterjee
9	Arijit Das	PhD in Medical Biotechnology	Dr. Puskar Malakar
10	Asmita Chakraborty	PhD in Medical Biotechnology	Dr. Arnab Basu
11	Debajyoti Roy	PhD in Genetics and Plant Breeding	Dr. Tapash Dasgupta
12	Debasrita Roychowdhury	PhD in Medical Biotechnology	Dr. Arnab Basu
13	Debdatta Talukdar	PhD in Medical Biotechnology	Dr. Kunal Sikder
14	Debopriya Choudhury	PhD in Medical Biotechnology	Dr. Puskar Malakar
15	Didhiti Singha	PhD in Medical Biotechnology	Dr. Puskar Malakar
16	Dipjyoti Gangopadhyay	PhD in Agriculture and Rural Development	Dr. Rupak Goswami
17	Diyashi Deb	PhD in Medical Biotechnology	Dr. Kunal Sikder
18	Kalyan Roy	PhD in Agriculture and Rural Development	Dr. Rupak Goswami
19	Kousik Mallick	PhD in Agriculture and Rural Development	Dr. Sanchayeeta Misra
20	Kunal Singh	PhD in Agriculture and	Dr. Rupak Goswami

		Rural Development	
21	Nillahit Payra	PhD in Genetics and Plant Breeding	Dr. Tapash Dasgupta
22	Payabrata Roy	PhD in Genetics and Plant Breeding	Dr. Tapash Dasgupta
23	Poulami Sen	PhD in Agriculture and Rural Development	Dr. Sanchayeeta Misra
24	Rahul Bepari	PhD in Agriculture and Rural Development	Dr. Rupak Goswami
25	Ria Bhattacharya	PhD in Agriculture and Rural Development	Dr. Rupak Goswami
26	Rishav Kar	PhD in Medical Biotechnology	Dr. Arnab Basu
27	Saikat Dey	PhD in Agronomy	Dr. Sukamal Sarkar
28	Samita Saha	PhD in Genetics and Plant Breeding	Dr. Ashutosh Sawarkar Ganpatrao
29	Sangita Patra	PhD in Agriculture and Rural Development	Dr. Rupak Goswami
30	Sattwika Ray	PhD in Medical Biotechnology	Dr. Kunal Sikder
31	Satyaki Nandan Maity	PhD in Genetics and Plant Breeding	Dr. Anirban Roy
32	Saurabh Kole	PhD in Environment & Disaster Management	Dr. P.G. Dhar Chakraborty
33	Sayantana Das	PhD in Genetics and Plant Breeding	Dr. Ashutosh Ganpatrao Sawarkar
34	Shawan Kumar Banerjee	PhD in Medical Biotechnology	Dr. Kunal Sikder
35	Shibasis Mukherjee	PhD in Agricultural Biotechnology	Dr. Gautam Chatterjee
36	Shreyasee Hazra	PhD in Medical Biotechnology	Dr. Dipak Manna
37	Shuvam Datta	PhD in Genetics and	Dr. Ashutosh Ganpatrao

		Plant Breeding	Sawarkar
38	Shyam Chandra Ghosh	PhD in Genetics and Plant Breeding	Dr. Tapash Dasgupta
39	Soujanya Jana	PhD in Agronomy	Dr. Sourav Garai
40	Soumyajyoti Ghoshal	PhD in Medical Biotechnology	Dr. Arkadeb Dutta
41	Sudip Nandi	PhD in Genetics and Plant Breeding	Dr. Tapash Dasgupta
42	Sujan Mandal	PhD in Environment & Disaster Management	Dr. Sumanta Das
43	Sujata Saha	PhD in Medical Biotechnology	Dr. Arnab Basu
44	Sukhendu Mondal	PhD in Environment & Disaster Management	Dr. P.G. Dhar Chakraborty
45	Suman Kalyan Dinda	PhD in Medical Biotechnology	Dr. Dipak Manna
46	Suvangini Das	PhD in Agriculture and Rural Development	Dr. Rupak Goswami
47	Titiryu Chakraborty	PhD in Agricultural Biotechnology	Dr. Kishor Kumar
48	Vibha Singh	PhD in Agricultural Biotechnology	Dr. Bhubaneswar Pradhan

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of the papers presented by the teaching staff in conferences, seminars, etc. with date

S. No.	Name	Date	Title of the paper presented	Seminar Title	Place
1	Dr. Anirban Roy	03.11.2023 to 05.11.20	Allele mining for seedling stage submergence	20th International Symposium on Rice Functional	GKVK, UAS Bangalore,

		23	tolerance in rice (<i>Oryza sativa</i> L.)	Genomics-2023	Karnataka
2	Dr. Kishor Kumar	07.12.2023 to 08.12.2023	Calcium dependent transcriptional regulation of aquaporin gene	Regional Young Investigator Meeting (RYIM),	Kolkata
3	Dr. Dipak Manna	07.12.2023 to 08.12.2023	Characterization of mechanistic function of the encystation-specific transcription factor ERM-BP in <i>Entamoeba</i>	Regional Young Investigator Meeting (RYIM),	Kolkata
4	Dr. Sanchayeta Misra	03.03.2024 to 07.03.2024	Impact of Cropping intensification on women farmers Ganges	International ACIAR Salinity Futures Symposium	Can Tho University (CTU) Can Tho, Vietnam
5	Dr. Anirban Roy	07.02.2024 to 08.02.2024	Stability analysis for yield and its attributing traits in Sesame(Sesam	20th International Symposium on Rice Functional Genomics-2023	GKVK, UAS Bangalore, Karnataka
6	Supriya Ghorui	19-20 October 2023	Climate Change's Disproportionate Impact on Women Farmers: A Case Study of Adaptation Challenges in Indian Sunderbans	International Conference on Climate Smart Agriculture and the 4AR	Khulna University, Bangladesh
7	Dr. Dipak Manna	11.04.2023	Pathogenesis of Amoeba Why Should we worry?	Micro Vision, 2023,	Department of Microbiology , Ramakrishna Mission Vivekananda Centenary College, Rahara
8	Dr. Kunal Sikder	July 23-27, 2023	Cardiomyocyte-monocyte cross-talk	American Association for	Anaehem,

			exploits cellular stress pathways leading to myocyte apoptosis in dilated cardiomyopathy of idiopathic origin	Clinical Chemistry annula meeting	CA, USA
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Colluquam Talk:

Sl. No	Name of the Speaker	Title of the Talk	Date
1	Dr. Gautam Chatterjee	Seeing through the Microbial Lens: From Threats in Healthcare to Opportunities in Agriculture (8)	28.04.2023
2	Mr. Kunal Vora, Founder Director - SHRM Biotech	Alternative Careers in Biosciences	25.05.2023
3	Ms. Harshada Wadkar Mukherjee, ICICI Knowledge Park (IKP)	IP and Technology Transfer	
4	Dr. Rupak Roy, Research Scientist, Environmental Biotech, SHRM (Sp)	Technical Writing in Sciences	
5	Dr. Subhadip Paul	The Contributions of Non-invasive Human Brain Imaging in Neuroscience (9)	26.05.2023
6	Dr. Dipak Manna	Pathogenesis of Amoebiasis: new insights and escalating dangers (10)	09.06.2023
7	Dr. Saikat Chowdhury, CCMB, Hyderabad (Sp)	Visualizing the invisible cellular world: How do cells build their support structures and highways?	15.06.2023
8	Dr. Soumen Manna, SINP Kolkata	Metabolomics in research	16.09.2023
9	Dr. Narayan Chandra Sahu	11 th colloquium on Krishi Vigyan Kendra - in the service of farmers	22.09.2023
10	Dr. Abhijit Chakrabarti	12 th Colloquium on Specificity of molecular chaperones	06.10.2023
11	Dr. Saikat Chakrabarti	13 th Colloquium on AIDIAS: Artificial	03-11-23

Sl. No	Name of the Speaker	Title of the Talk	Date
	(IICB)	Intelligence based Diagnostic and Analytical Systems	
12	Dr. Tofael Ahmed of SINP, Kolkata	-Principle and application of cryoEM in biological research	04-11-23
13	Dr. Somoshree Sengupta.	Magnetoacoustics activity in anti-cancerous drug uptake to cancel cell	11-11-23
14	Dr. Sudipto Tripathi	14 th Colloquium on Application of instrumental tools to explore the science of composting	17-11-23
15	Dr. Nivedita Jena (DBT-ILS)	15 th Colloquium on Adapt and Thrive: Navigating crisis to uncover entrepreneurial opportunities	24-11-23
16	Prof. Kaustav Sen, PACE University, USA	16 th Colloquium on Environmental & Social Convergence through cross-border acquisitions: Evidence from emerging market multinationals	01-12-23
17	Dr. Nrisingha Dey, ILS	17 th Colloquium on Development and characterization of plant synthetic promoters from Horseradish Latent Virus (HRLV)	14-12-23
18	Dr. Subhabrata Majumdar (SINP)	18 th Colloquium on Use of solution NMR spectroscopy to probe protein dynamics in relation to function	29-12-23
19	Dr. Anirban Basu, NBRC, Maneswar	19 th Colloquium on Emerging and Re-emerging Viral Diseases: Host Immunity and Therapeutic Interventions	01-03-24
20	Dr. Sumatra (Shona) Chatterji, TCG-CREST	20 th Colloquium on This is your brain under stress !	22-03-24
21	Prof. Partha Pratim Majumdar, ISI Kol	21 st Colloquium on Magic Bullets: No Longer so Magical	15-04-24
22	Dr. Sreetama Sen Chandra,	Role of astrocyte secretion in	15-04-2024

Sl. No	Name of the Speaker	Title of the Talk	Date
	DBT woman scientist	pathogenesis of Attention Deficit Hyperactive Disorder (ADHD)	
23	Dr. Suman Dutta	22 nd Colloquium on Haploid inducer development in maize to produce haploid without daddy's chromosomes	19-04-24
24	Dr. S Balasubramanian, Prof., Dept. of Inorganic Chemistry, Univ Madras, Guindy campus	23 rd Colloquium on Enhancing Science Education Through the Integration of Foldscope Microscopy and an Interactive Periodic Table	26-04-24

Details of Publications in Journals and Books

I. Publications in research Journal

Sl. No.	Authors	Title	Journal	Publication year	ISSN
1	Choudhury D., Ghosh D., Mondal M., Singha D., Pothuraju R., Malakar P.	Polyploidy and mTOR signaling: a possible molecular link	Cell Communication and Signaling	2024	1478811X
2	Mazumder A., Ghosh S.K.	Rapid seafood fraud detection powered by multiple technologies: Food authenticity using DNA-QR codes	Journal of Food Composition and Analysis	2024	8891575
3	Ghosh S., Choudhury D., Ghosh D., Mondal M., Singha D., Malakar P.	Characterization of polyploidy in cancer: Current status and future perspectives	International Journal of Biological Macromolecules	2024	1418130
4	Manna T., Nanda M.K., Sarkar S. , Mukherjee A., Ray M., Alkeridis L.A.,	Infrared thermometry-based stress indices as indicators of yield performance and	Scientia Horticulturae	2024	3044238

Sl. No.	Authors	Title	Journal	Publication year	ISSN
	Sayed S., Gaber A., Hossain A.	seasonal evapotranspiration in potato plants grown under different moisture and potassium regimes			
5	Giri R.P., Chowdhury S., Mukhopadhyay M.K., Chakrabarti A. , Sanyal M.K.	Ganglioside GM1 Drives Hemin and Protoporphyrin Adsorption in Phospholipid Membranes: A Structural Study	Journal of Physical Chemistry B	2024	15206106
6	Majumdar A., Upadhyay M.K., Giri B., Yadav P., Moulick D., Sarkar S. , Thakur B.K., Sahu K., Srivastava A.K., Buck M., Tibbett M., Jaiswal M.K., Roychowdhury T.	Sustainable water management in rice cultivation reduces arsenic contamination, increases productivity, microbial molecular response, and profitability	Journal of Hazardous Materials	2024	3043894
7	Mondal R., Majumdar A., Sarkar S. , Goswami C., Joardar M., Das A., Mukhopadhyay P.K., Roychowdhury T.	An extensive review of arsenic dynamics and its distribution in soil-aqueous-rice plant systems in south and Southeast Asia with bibliographic and meta-data analysis	Chemosphere	2024	456535
8	Barkeer S., Pothuraju R., Malakar P. , Pimentel T.C., Siddiqui J.A., Nair S.A.	Gum acacia dietary fiber: Significance in immunomodulation, inflammatory diseases, and cancer	Phytotherapy Research	2024	0951418X
9	Mali P., Ghosh S. ,	Effects of different	Fisheries	2024	919926

Sl. No.	Authors	Title	Journal	Publication year	ISSN
	Dash G., Chowdhury S.	carbon-to-nitrogen ratios on Nile Tilapia <i>Oreochromis niloticus</i> in the biofloc rearing system	Science		8
10	Sen J., Nag P.K.	A quantitative approach to human-thermal vulnerability	Theoretical and Applied Climatology	2024	017779 8X
11	Ghosh A., Nanda M.K., Sarkar D., Sarkar S. , Brahmachari K., Mainuddin M.	Assessing the cropping intensity dynamics of the Gosaba CD block of Indian Sundarbans using satellite-based remote sensing	Environment , Development and Sustainability	2024	138758 5X
12	Maity S.N., Dasgupta T. , Ghosh S.C., Payra N., Roy A.	Submergence Tolerance in Rice (<i>Oryza sativa</i> L.) Genotypes at the Seedling Stage: A Combined Approach of Morphological and Molecular Characterization	Agricultural Science Digest	2024	025315 0X
13	Mondal M., Nanda M.K., Peña-Arancibia J.L., Sarkar D., Ghosh A., Goswami R. , Mukherjee A., Saha A., Brahmachari K., Sarkar S. , Mainuddin M.	Assessment of inundation extent due to super cyclones Amphan and Yaas using Sentinel-1 SAR imagery in Google Earth Engine	Theoretical and Applied Climatology	2024	017779 8X
14	Dutta S. , Paul D., Das A., Kumar S., Roy A., Barua A., Chinnusamy V.	Directed mutagenesis in plants through genome editing using guide RNA library	Nucleus (India)	2024	002956 8X
15	Mondal T., Sen J.,	Community Adaptation	Climate Risk	2024	221209

Sl. No.	Authors	Title	Journal	Publication year	ISSN
	Goswami R., Nag P.K.	to Heat stress – Social Network Analysis	Management		63
16	Goswami R., Roy R., Gangopadhyay D., Sen P., Roy K., Sarkar S., Misra S., Ray K., Monjardino M., Mainuddin M.	Understanding Resource Recycling and Land Management to Upscale Zero-Tillage Potato Cultivation in the Coastal Indian Sundarbans	Land	2024	207344 5X
17	Singha D., Mondal M., Ghosh D., Choudhury D., Chakravarti B., Kar R.K., Malakar P.	The role of alternative splicing and splicing factors in diabetes: Current status and future perspectives	Wiley Interdisciplinary Reviews: RNA	2024	175770 04
18	Malakar P., Shukla S., Mondal M., Kar R.K., Siddiqui J.A.	The nexus of long noncoding RNAs, splicing factors, alternative splicing and their modulations	RNA Biology	2024	154762 86
19	Moulick, D., Mukherjee, A., Das, A., Roy, A., Majumdar, A., Dhar, A., Pattanaik, B.K., Chowardhara, B., Ghosh, D., Upadhyay, M.K. and Yadav, P.,	Selenium – An environmentally friendly micronutrient in agroecosystem in the modern era: An overview of 50-year findings	Ecotoxicology and Environmental Safety	2024	1090- 2414
20	Saha, S., Dasgupta, T., Sawarkar, A., Maity, S.N. and Roy, A.	Genetic Diversity and Yield Component Analysis in Indian Mustard [<i>Brassica juncea</i> (L.) Czern. and Coss.].	Indian Journal of Agricultural Research.	2024	036782 45
21	Sarkar R., Mukherjee S., Pradhan B.,	Molecular characterization of vermicompost-derived	World Journal of Microbiology	2023	959399 3

Sl. No.	Authors	Title	Journal	Publication year	ISSN
	Chatterjee G., Goswami R. , Ali M.N., Ray S.S.	IAA-releasing bacterial isolates and assessment of their impact on the root improvement of banana during primary hardening	and Biotechnology		
22	Panda D., Rani K., Behera P.K., Pradhan B. , Lenka S.K.	Nutritional diversity and food potential of indigenous pigmented rice landraces from Koraput regions of Eastern Ghats	Discover Food	2023	273142 86
23	Sanyal R., Pradhan B. , Jawed D.M., Tribhuvan K.U., Dahuja A., Kumar M., Kumar N., Mishra G.P., Ram C., Mahatma M.K., Singh B.K., Mangrauthia S.K., Singh A.K., Sharma T.R., Pattanayak A., Bishi S.K.	Spatio-temporal expression pattern of Raffinose Synthase genes determine the levels of Raffinose Family Oligosaccharides in peanut (<i>Arachis hypogaea</i> L.) seed	Scientific Reports	2023	204523 22
24	Maitra Roy S., Barman S., Kishore P., Chatterjee B., Bag P., Ghatak T., Basu A., Ghosh S.K. , Dirisala A., Sarkar A.K., Khan A.H., Ghosh Dastidar S., Maity A.R.	Acidic pH-Triggered Release of Doxorubicin from Ligand-Decorated Polymeric Micelles Potentiates Efficacy against Cancer Cells	ACS Applied Nano Materials	2023	257409 70
25	Mahato M., Ghorui S., Goswami R. , Ghosh S.	PREVALENCE OF FLUORIDE TOXICITY IN GOATS FROM PURULIA DISTRICT OF WEST	Indian Journal of Small Ruminants	2023	971985 7

Sl. No.	Authors	Title	Journal	Publication year	ISSN
		BENGAL, INDIA			
26	Haldar A., Pal P., Ghosh S. , Pan S.	Body Weight Prediction using Recursive Partitioning and Regression Trees (RPART) Model in Indian Black Bengal Goat Breed: A Machine Learning Approach	Indian Journal of Animal Research	2023	367672 2
27	Maitra Roy S., Kishore R. , Saha D., Ghosh P., Kar R., Barman S., Agrawal V., Roy A., Deb R., Sherry Chakraborty S., Bag P., Maji P.S., Basu A., Ghatak T., Mukherjee R., Maity A.R.	3D multicellular tumor spheroids used for in vitro preclinical therapeutic screening	Journal of Drug Delivery Science and Technology	2023	177322 47
28	Benjamin M., Malakar P. , Sinha R.A., Nasser M.W., Batra S.K., Siddiqui J.A., Chakravarti B.	Molecular signaling network and therapeutic developments in breast cancer brain metastasis	Advances in Cancer Biology - Metastasis	2023	266739 40
29	Ray K., Mondal S., Kabir M.J., Sarkar S. , Roy K., Brahmachari K., Ghosh A., Nanda M.K., Misra S., Ghorui S., Goswami R. , Mainuddin M.	Assessment of Economic Sustainability of Cropping Systems in the Salt-Affected Coastal Zone of West Bengal, India	Sustainability (Switzerland)	2023	207110 50
30	Roy S.M., Garg V., Sivaraman S.P., Barman S., Ghosh C., Bag P.,	Overcoming the barriers of nuclear-targeted drug delivery using nanomedicine-based	Journal of Drug Delivery Science and	2023	177322 47

Sl. No.	Authors	Title	Journal	Publication year	ISSN
	Mohanasundaram P., Maji P.S., Basu A. , Dirisala A., Ghosh S.K. , Maity A.R.	strategies for enhanced anticancer therapy	Technology		
31	Barman S., Chakraborty A., Saha S., Sikder K., Maitra Roy S., Modi B., Bahadur S., Khan A.H., Manna D. , Bag P., Sarkar A.K., Bhattacharya R., Basu A., Maity A.R.	Efficient Synergistic Antibacterial Activity of α -MSH Using Chitosan-Based Versatile Nanoconjugates	ACS Omega	2023	247013 43
32	Roy D., Biswas S., Sarkar S. , Adhikary S., Chakraborty G., Sarkar P.K., Al-Shuraym L.A., Sayed S., Gaber A., Hossain A.	Risk Assessment of Fluxametamide Resistance and Fitness Costs in Fall Armyworm (<i>Spodoptera frugiperda</i>)	Toxics	2023	230563 04
33	Biswas M., Pranav P.K., Nag P.K.	Effect on pulmonary functions of dust exposed rice mill workers in comparison to an unexposed population	Work	2023	105198 15
34	Sen J., Mondal T., Grewal N., Jana J., Roy D., Nag P.K.	Human skin thermography—a descriptive analysis	Proceedings of the Indian National Science Academy	2023	370004 6
35	S Roy, S Ghosh , J Ray, K Ray, M Sengupta	Missing heritability of Wilson disease: a search for the uncharacterized mutations	Mammalian Genome	2023	938899 0
36	Sarkar S. , Ray K.,	Modelling nitrogen	PeerJ	2023	216783

Sl. No.	Authors	Title	Journal	Publication year	ISSN
	Garai S., Banerjee H., Haldar K., Nayak J.	management in hybrid rice for coastal ecosystem of West Bengal, India			59
37	Ghosh S. , Baidya A., Ghosh B.D., Sahu N.C. , Rahaman F.H., Das A.K., Das K.S.	Socioeconomic study of traditional fish farmers and trained farmers in the Indian Sundarbans ecosystem	Aquatic Ecosystem Health and Management	2023	14634988
38	Pradhan B. , Chand S., Chand S., Rout P.R., Naik S.K.	Emerging groundwater contaminants: A comprehensive review on their health hazards and remediation technologies	Groundwater for Sustainable Development	2023	2352801X
39	Pal P., Roy S., Chowdhury A., Chatterjee R., Ray K. , Ray J.	Parkinson's disease-associated 18 bp promoter variant of DJ-1 alters REST binding and regulates its expression	Neuroscience Letters	2023	3043940
40	Roy A. , Sahu P.K., Das C., Bhattacharyya S., Raina A., Mondal S.	Conventional and new-breeding technologies for improving disease resistance in lentil (<i>Lens culinaris Medik</i>)	Frontiers in Plant Science	2023	1664462X
41	Mukherjee S., Basak A., Chakraborty A., Goswami R., Ray K. , Ali M.N., Santra S., Hazra A.K., Tripathi S., Banerjee H., Layek J., Panwar A.S., Ravisankar N., Ansari M.A., Chatterjee G.	Revisiting the oldest manure of India, Kunapajala: Assessment of its animal waste recycling potential as a source of plant biostimulant	Frontiers in Sustainable Food Systems	2023	2571581X
42	Moulick D., Bhutia	The intertwining of Zn-	Frontiers in	2023	166446

Sl. No.	Authors	Title	Journal	Publication year	ISSN
	K.L., Sarkar S. , Roy A., Mishra U.N., Pramanick B., Maitra S., Shankar T., Hazra S., Skalicky M., Brestic M., Barek V., Hossain A.	finger motifs and abiotic stress tolerance in plants: Current status and future prospects	Plant Science		2X
43	Mandal S., Sendhil R., Goswami R.	Editorial: Socio-economic evaluation of cropping systems for smallholder farmers – challenges and options	Frontiers in Sustainable Food Systems	2023	257158 1X
44	Ghosh A., Nanda M.K., Sarkar D., Sarkar S. , Brahmachari K., Mainuddin M.	Kharif rice growth and area monitoring in Gosaba CD block of Indian Sundarbans region using multi-temporal dual-pol SAR data	Environment , Development and Sustainability	2023	138758 5X
45	Malakar P. , Singha D., Choudhury D., Shukla S.	Glutamine regulates the cellular proliferation and cell cycle progression by modulating the mTOR mediated protein levels of β -TrCP	Cell Cycle	2023	153841 01
46	Bhandari N., Acharya D., Chatterjee A., Mandve L., Kumar P., Pratap S., Malakar P. , Shukla S.K.	Pan-cancer integrated bioinformatic analysis of RNA polymerase subunits reveal RNA Pol I member CD3EAP regulates cell growth by modulating autophagy	Cell Cycle	2023	153841 01
47	Goswami R. , Brodt S., Patra S., Dasgupta P., Mukherjee B.,	Resource interaction in smallholder farms is linked to farm sustainability: evidence	Frontiers in Sustainable Food	2023	257158 1X

Sl. No.	Authors	Title	Journal	Publication year	ISSN
	Nandi S.	from Indian Sundarbans	Systems		
48	Hazra S., Kalyan Dinda S., Kumar Mondal N., Hossain S.R., Datta P., Yasmin Mondal A., Malakar P. , Manna D.	Giant cells: multiple cells unite to survive	Frontiers in Cellular and Infection Microbiology	2023	22352988
49	Sawarkar A. , Pradhan A., Raman R.B., Yumnam S., Dutta S. , Mukherjee S.	Identification of best combiners and heterotic crosses for seedling characters in jute (<i>Corchorus olitorius</i> L.) under normal and drought conditions	Electronic Journal of Plant Breeding	2023	0975928X
50	Phonglosa A., Bhattacharyya K., Pari A., Ray K. , Banerjee H., Haldar S., Sengupta S., Bhattacharya P., Mandal J.	Assessment of the suitability of selected extractants for boron in some inceptisols of Eastern India under sunflower (<i>Helianthus annuus</i> L.)	Journal of Plant Nutrition	2023	1904167
51	Goswami R. , Dutta S., Misra S. , Dasgupta S., Chakraborty S., Mallick K., Sinha A., Singh V.K., Oberthür T., Cook S., Majumdar K.	Whither digital agriculture in India?	Crop and Pasture Science	2023	18360947
52	Dastidar R., Sikder K. , Das B.	A Comparative Study on the Efficacy Between Cystatin C and Creatinine-Based Equations for Early Detection of Renal Damage in Patients of	Indian Journal of Clinical Biochemistry	2023	9701915

Sl. No.	Authors	Title	Journal	Publication year	ISSN
		Eastern India			
53	Roy D., Sau S., Adhikary S., Biswas A., Biswas S., Chakraborty G., Sarkar P.K.	Resistance risk assessment in diamondback moth, <i>Plutella xylostella</i> (L.) to fluxametamide	Crop Protection	2023	261219 4
54	Dutta S. , Bose D., Ghosh S., Chakrabarti A.	Spectrin: an alternate target for cytoskeletal drugs	Journal of Biomolecular Structure and Dynamics	2023	739110 2
55	Ghosh, D., Brahmachari, K., Das, A., Sarkar, S. , Dinda, N.K., Moulick, D., Datta, M.K. and Bandyopadhyay, S.,	Residual effect of organic manure on weed population and nitrogen uptake in greengram under rice-maize-greengram system.	Indian Journal of Weed Science	2023	0974-8164
56	Koustav Chatterjee, Subhadip Paul , Rebecca Banerjee, Supriyo Choudhury, Mona Tiwari, Purba Basu, Hrishikesh Kumar	Characterizing gait and exploring neuro-morphometry in patients with PSP-Richardson's syndrome and vascular parkinsonism	Parkinsonism & Related Disorders Home	2023	135380 20, 187351 26
57	Arghyadeep Bhattacharjee, Om Saswat Sahoo, Ahana Sarkar, Saurabh Bhattacharya, Rukhsana Chowdhury , Samarjit Kar, Oindrilla Mukherjee	Infiltration to infection: key virulence players of <i>Helicobacter pylori</i> pathogenicity	Infection	2023	1439-0973

Sl. No.	Authors	Title	Journal	Publication year	ISSN
58	Barkha Modi, Sabarnee Bahadur, Priyanka Bhowmik, Soumyananda Chakraborti, Anjaneyulu Dirisala, Ali Hossain Khan, Abhrajyoti Ghosh, Sangita Mondal, Amit Ranjan Maity, Arnab Basu	Curcumin and Colistin are Synergistic in Inhibiting the Growth and Biofilm Formation of <i>Pseudomonas aeruginosa</i> Isolated from Environmental Sample,	Infect Disease Diagnosis and Treatment	2023	1201-9712
59	Chiranjeet Saha, Sujata Saha, Asmita Chakraborty, Anjaneyulu Dirisala, Amit Ranjan Maity, Priyanka Bhowmik, Kunal Sikder, Soumyananda Chakraborti, Arnab Basu	Deciphering the Structural and Functional Properties of ABC-F ATPases,	Infect Disease Diagnosis and Treatment	2023	1201-9712

II. Book Chapters

- Hossain, A., Maitra, S., **Sarker, S.**, Al Mahmud, A., Ahmad, Z., Emon, R.M., Vemuri, H., Malek, M.A., Alam, M.A., Rahman, M.A. and Alam, M.J., 2023. Aluminium stress in plants: consequences and mitigation mechanisms. *Beneficial Chemical Elements of Plants: Recent Developments and Future Prospects*, pp.123-168.
- Guru, R.K.S., **Ganpatrao, A.S.**, Madhao, A.P., Pradhan, R., Mohanty, A., Panigrahi, K.K., Tarai, R.K. and Khatoun, B., 2024. Biosafety and biosecurity concerns associated with plant genome editing. In *Genome Editing and Global Food Security* (pp. 236-274). Routledge.
- Hazra, S. and **Manna, D.**, 2023. Transcriptional control in entamoeba: Something old, something new. In *Pathobiology of parasitic protozoa: Dynamics and dimensions* (pp. 155-173). Singapore: Springer Nature Singapore.

- Ghosh, S., Sarkar, S., Garai, S., Roy, A., Saha, S., Dey, S., Santra, S.C., Moulick, D., Mondal, M. and Brahmachari, K., 2023. Climate Change and Global Crop Production: An Inclusive Insight. In *Climate-Resilient Agriculture, Vol 2: Agro-Biotechnological Advancement for Crop Production* (pp. 1-34). Cham: Springer International Publishing.
- Sarkar, S., Saha, S., Ghosh, S., Paul, S.K., Dey, S., Moulick, D., Santra, S.C. and Brahmachari, K., 2023. Abiotic stress sensitivity and adaptation in field crops. In *Climate-Resilient Agriculture, Vol 2: Agro-Biotechnological Advancement for Crop Production* (pp. 319-362). Cham: Springer International Publishing.
- Sarkar, S., Garai, S., Saha, S., Ghosh, S. and Brahmachari, K., 2024. Management of Carbon and Nitrogen Footprints for a Better Environment. *Encyclopedia of Sustainable Technologies (Second Edition)*, pp. 694-709. Elsevier <https://doi.org/10.1016/B978-0-323-90386-8.00096-6>
- Maitra, S., Shankar, T., Hossain, A., Sairam, M., Sagar, L., Sahoo, U., Gaikwad, D.J., Pramanick, B., Mandal, T.K., Sarkar, S. and Gitari, H.I., 2024. Climate-Smart Millets Production in Future for Food and Nutritional Security. In *Adapting to Climate Change in Agriculture-Theories and Practices: Approaches for Adapting to Climate Change in Agriculture in India* (pp. 11-41). Cham: Springer Nature Switzerland.

DETAILS OF SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES / SYMPOSIUMS HOSTED / ORGANISED

- International Women Day: International Women Day has been celebrated by the RKMVERI, Narendrapur campus on 08 March 2023. The faculty briefed the students about the importance of this day. Dr. Tapash Dasgupta (Dean) inaugurated this event and highlighted the contributions of women from international and national perspective. Dr. Ranjana Ray (Emeritus Professor, Calcutta University), Dr. Sarbani Mitra & Dr. Jhumur Biswas (Professor, IISWBM), Dr. Sanchayeeta Misra (Assistant Professor) shared their views on this day. Approx. 50 students, staff and faculty were present in this event.
- International Day for Disaster Risk Reduction: On the occasion of International Day for Disaster Risk Reduction on 13 October 2023 a seminar was organised on the theme 'Fighting Inequality for a Resilient Future'. Revered Swami Atmapriyananda ji Maharaj, Pro-Chancellor of RKMVERI presided over the function while Shri Dushyant Nariala, the Principal Secretary to the Govt. of West Bengal, DoDM & CD was the Chief Guest. On this occasion, a special issue of the quarterly E-magazine "Mother Earth" (Vol 1, No 3) was released.

- Agricultural Technology Awareness Programme for organic farming: Organized One-day Agricultural Technology Awareness Programme (ATAP) to commemorate the 125th Anniversary of the Ramakrishna Mission under the Vivekananda Krishi Mitra Prakalpa funded by the Government of India at the Bahirkhand village of Haripal block, Hooghly, West Bengal, Organic Farming Centre, Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI), Narendrapur Campus, 04 October, 2023.

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

1. All India Network Project on Organic Farming. (Ref. No. F. No. 1-42/NPOF/201). Indian Council of Agricultural Research (ICAR), Govt. of India. Long-term Project. **(Dr. Gautam Chatterjee, PI)**
2. Ionizing radiation induced mutagenesis and rapid identification of mutant genes for the improvement of traditional aromatic rice. UGC-DAE CSR, Govt Of India. 2022-2025 **(Dr. Kishor Kumar, PI)**.
3. All India co-ordinated Maize Improvement Project (ICAR) Long term project **(Prof. Tapash Dasgupta, PI and Co: PI: Dr. Rambabu Raman and Dr. A Sawarkar)**
4. Developing Multi-stress tolerant breeding materials in rice and mustard through advanced breeding method” has been sanctioned by Department of Agriculture, Government of West Bengal [Rs 85.00 lakh: the first installment of Rs. 45 lakh and Rs 21 lakh for the second year have been released] **(Prof. Tapash Dasgupta, PI)**.
5. Establishment of “Tissue culture laboratory and banana saplings commercialization” initially National Horticultural Mission, Government of India, sponsored the project and presently under commercialization phase. (Rs. 94.00 lakh, PI: **Prof. Tapash Dasgupta**).
6. A project entitled “Assessing the Contribution of Capacity Building Programs of the KVKs to Increase Livestock Production and Farmers’ Income in Eastern India” was funded by ICAR **(Dr. Rupak Goswami, PI and Dr. Sanchayeeta Misra, Co PI)**
7. A project entitled was funded ‘Using Women Farmers’ Social Networks To Improve the delivery of agricultural information through information communication technology in selected rural areas of West Bengal sponsored by Indian Council of Social Science Research. (Period: 2022-2024; Share: INR.700000) [**S. Misra, S (PI) and R. Goswami, (Co-PI)**]
8. ‘Modelling the Livelihood Impact of Technology Transfer Projects in Natural Resources Management using Fuzzy Logic Cognitive Mapping’ was funded by Indian Council of Social Science Research. [Period: 2022-2024; Share: INR.700000] **Dr. R. Goswami, (PI) and Dr. Sanchayeeta Misra (Co-PI)**

9. Research Consultancy Project on Assessing the Natural Farming in Selected Areas of Jharkhand State. Supported by Welthungerhilfe. [Period: 2022; Share: INR.300000] **Dr. R. Goswami, PI.**
10. “Mitigating risk and scaling-out profitable cropping system intensification practices in the salt-affected coastal zones of the Ganges Delta” Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia. Started June 2022: INR 17,46,250 (Approx) **(Responsible Personel: Dr. Rupak Goswami and Dr. Sukumal Sarkar)**
11. “SciTech4Climate Indo-Pacific Climate-Smart Agriculture Initiative: Project B: Ganges coastal zone climate-smart agricultural production” Department of Foreign Affairs and Trade (DFAT) - CSIRO, Australia. Started June 2022-: AUD.52000; INR 23,10,000] **(PI: Dr. Rupak Goswami and Co-PI: Dr. S. Misra, Dr. S. Sarkar and Dr. K. Dey).**
12. Nurturing Rural Women Leaders for Upscaling ClimateResilient Farming Strategies: Analysing the Social Networks in Selected Villages of West Bengal and Odisha, International Rice Research Institute, **PI: Sanchayeeta Misra, Co-PI: Dr. Rupak Goswami**, Commencement date: 01 November 2023 End date: 20 October 2024 Total budget: INR 1,145,400.00
13. Building resilience model for the vulnerable hotspots to climate change in smallholder dairy production system of Indo-Gangetic Plain Region of India using GIS and fuzzy cognitive mapping approach. Funding Agency: NASF-Indian Council of Agricultural Research (ICAR); Dutaion: September 2023 – August 2026, Amount: Rs. 26,45,927 [**Dr. Rupak Goswami (PI, Cooperating Centre), Dr. Sarbaswarup Ghosh (Co-PI, CC), Dr. Sanchayeet Misra (Co-PI, CC)**]
14. Banana saplings production by Tissue culture technique and date palm research in tissue culture, Funding Agency: Toronto Calcutta Foundation, Duration: 2023-24, **PI: Dr. Tapash Dasgupta**, Amount: Rs. 43 lakhs.
15. Evaluation of seaweed based nutrient management on the performance of transplanted rainy rice (*Oryza sativa* L.) in three different agro-climatic zones of West Bengal, India, Funding agency: PSW SA, Lima, Peru, **PI: Dr Sourav Garai, Co-PI: Dr Sukamal Sarkar**, Period of support: July 2023 – March 2024, Funding amount received: USD 2200.
16. Characterization of mechanistic function of the encystation-specific transcription factor ERM-BP in *Entamoeba* and identifying drugs against *Entamoeba* cyst. DBT-Ramanujan fellowship. 5 years duration (2020-present). **PI: Dr. Dipak Manna**, Total cost-113 Lakhs
17. Effect of different GTPase/ATPases on growth, physiology and virulence of *Staphylococcus aureus*, DBT-Ramanujan fellowship. 5 years duration (2020-present). **PI: Dr. Arnab Basu**, Total cost-113 Lakhs

18. Role of Long Non-Coding RNAs in physiological and pathological conditions. DST-Ramanujan fellowship. 5 years (2022-present). **PI: Dr. Pushkar Malakar**, Total cost 116 lakhs.
19. Immunogenetics of autoimmune thyroid diseases, Hashimoto thyroiditis and Graves' disease. VIMS intramural funding as co-PI. **PI: Dr. Kunal Sikder**, Total cost 15 lakhs for 3 years (2021-present)
20. Research Consultancy: Natural Resource Management and Sustainable Agriculture in Nadia, Funding agency: Environment Conservation Society (SWITCHON Foundation), Period: 05.01.2024 to 05.01.2025, Funding: INR- 98,876.00 (**Consultant: Dr Sourav Garai, Dr Sukamal Sarkar**)
21. Exploring underlying factors of idiopathic dilated cardiomyopathy. Dr. Manis Nandi charitable funding. Recurring (2022-present). **PI: Dr. Kunal Sikder**, Total 8 lakhs received so far.

ANY OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

- **Dr. Sukamal Sarkar** was invited as an external member of a project evaluation team at BRAIPRD, Panchayats & Rural Development Department, Government of West Bengal, Kalyani, Nadia on 14th August 2023.
- **Dr. Rupak Goswami, Dr. Sukamal Sarkar** and **Dr. Sanchayeeta Misra** participated in the Annual Review Workshop of the project "Mitigating risk and scaling-out profitable cropping system intensification practices in the salt-affected coastal zones of the Ganges Delta" during 10-14 September 2023 at Ava Centre, Khulna, Bangladesh.
- **Dr. Sukamal Sarkar** organized "Agriculture Technology Awareness Programme (ATAP)" under 'Vivekananda Krishi Mitra Prakalpa' in commemoration of the 125th anniversary of the Ramakrishna Mission at DCRAS Hazrabari Project, Village: Hazrabari, PO: Vikahar, PS: Tapan, District: Dakshin Dinajpur, Pin: 733142 on 09th October 2023.
- **Dr. Sourav Gorai** delivered Lecture in the "Agriculture Technology Awareness Programme (ATAP)" under 'Vivekananda Krishi Mitra Prakalpa' in commemoration of the 125th anniversary of the Ramakrishna Mission at Kalna College on 13th October 2023.
- **Dr. Sukamal Sarkar** presented an invited lecture in the online interdisciplinary Refresher Course in Environmental Studies for college and university teachers as a part of UGC-Malaviya Mission Teacher Training Centre (MMTTC), University of Calcutta on 12th December 2023.

- **Dr. Sukamal Sarkar** participated at State Level Multi-Stakeholders Consultation on Seed Systems for Climate Resilient and Sustainable Agriculture in Sunderbans, West Bengal at SAMETI, West Bengal on 22nd December 2023.
- **Dr. Anirban Roy** presented a poster at the International Symposium on Rice Functional Genomics (ISRFG-2023), UAS-Bangalore, GKVK Campus (3rd to 5th November 2023).
- **Dr. Dipak Manna** and **Dr. Kishor Kumar** participated and presented a poster in the Regional Young Investigator Meeting (RYIM), Kolkata from Dec 7th and 8th, 2023.
- **Dr. Gautam Chatterjee** attended and delivered an invited talk at the **XVIII Annual Group Meeting (AGM)** of the All-India Network Programme on Organic Farming (AINP-OF) at the University of Agricultural Sciences (UAS), Dharwad, **08-09 January 2024**.
- **Prof. Tapash Dasgupta** attended State Variety Release Committee, Department of Agriculture, Govt. of West Bengal, as a subject expert and Guest –in –honour to screen newly developed varieties of all State Agricultural universities, Seed Companies and other Universities of West Bengal, for consideration of release in the state of West Bengal in the meeting held on **29 January, 2024** at the Jessop Building, Govt. of West Bengal.
- **Dr. Anirban Roy** participated at DST-SERB sponsored Workshop on “Genomics Mediated Breeding Strategies to Develop Climate Resilient Nutrient Dense Pulse crop during 6-8th March, 2024 at Indian Institute of Pulse Research, Kanpur.
- **Dr, Anirban Roy** acted as an external examiner for thesis evaluation of one student of M.Sc. (Ag.) in Genetics and Plant Breeding, School of Agriculture, Seacom Skills University, Birbhum.
- **Prof. Tapash Dasgupta** attended as a member of Board of Study, School of Agricultural Sciences, JIS university on 12 March 2024.

ANY OTHER MISCELLANEOUS INFORMATION

- **Shri Dushyant Nariala, Principal Secretary** to the Govt. of West Bengal, Department of Disaster Management & Civil Defence visited the Department twice, first for a discussion on a project on Sunderbans and subsequently as the Chief Guest in the function to celebrate International Day for Disaster Risk Reduction.
- **Prof. Sankar Dasgupta**, Adjunct Professor Toronto University and Member, Toronoto Calcutta University visited RKMVERI, Narendrapur on **12 January 2024** and **26 January 2024** specially to look after the **status of banana saplings production** and **exotic date palm** by tissue culture method.

- **Prof. Kaustov Dalal, Professor Mid-Sweden University: Prof Dalal of Mid-Sweden University**, Visited RKMVERI, Narendrapur campus on **26 January 2024** for possible research collaboration and funding availability to RKMVERI, Narendrapur. Swamin Atmapriyananda'ji, Pro Chancellor, RKMVERI and all faculty members of RKMVERI Narendrapur Campus including scientists of SSKVV, Arapanch. The Faculty members of Yugo Science, RKMVERI, Belur and Medical Biotechnology, RKMVERI were present and interacted in the meeting.
- **Revered Swami Padmanabhananda Ji Maharaj:** Vice President, Divine Life Society, Rishikesh visited the RKMVERI, Narendrapur campus on **18 December 2023 (Monday)**.
- The Forty-one students of B.Sc. Agriculture programme along with three faculty members of RKMVERI, Ranchi campus visited the RKMVERI Narendrapur campus on 30 December 2023 (Saturday). They visited several laboratories of the RKMVERI, Narendrapur campus on the same day.

NAME OF THE FACULTY CENTRE:
AGRICULTURE RURAL AND TRIBAL DEVELOPMENT,
RANCHI CAMPUS

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Dr. Raghava Thakur	Professor and Associate Dean
2	Dr. Dipankar Chatterjee	Asso. Professor
3	Dr. Avijit Kr. Dutta	Asso. Professor
4	Dr. Arunava Sengupta	Asst. Professor
5	Dr. Deep Narayan Mukherjee	Asst. Professor
6	Dr. Sudarsan Biswas	Asst. Professor
7	Dr. Vishal. W. Dhote	Asst. Professor
8	Dr. Pankaj Mishra	Asst. Professor
9	Dr. Soumik Dey	Asst. Professor
10	Dr. Siddhartha Mukherjee	Asst. Professor
11	Dr. Saikat Biswas	Asst. Professor
12	Dr. Pooja Yadav	Asst. Professor
13	Dr. Ardith Sankar	Asst. Professor

NEW EQUIPMENTS ACQUIRED IN THE YEAR

Humidifier (For Plant Pathology Lab)

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	Integrated M.Sc. in Agriculture Rural and Tribal Development	41
2	M.Sc. in Agriculture Rural and Tribal Development (Lateral Entry)	15
3	MA/M.Sc. Rural Development and Management	25
4	Bachelor of Vocation in Sustainable Agriculture	40
5	B.Sc. (H) in Agriculture	47
6	Post-graduate Diploma in Rural Development and Practice	11
7	Diploma in Organic Farming	7
Total		186

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	Integrated M.Sc. in Agriculture Rural and Tribal Development	14
2	B.Sc. in Agriculture Rural and Tribal Development (lateral exit from Integrated M.Sc. in Agriculture Rural and Tribal Development)	18
3	M.Sc. in Agriculture Rural and Tribal Development (Lateral Entry)	16

S. No.	Programme	No. of Students
4	MA/M.Sc. Rural Development and Management	23
5	Bachelor of Vocation in Sustainable Agriculture	34
6	B.Sc. (H) in Agriculture	37
7	Post-graduate Diploma in Rural Development and Practice	7
8	Diploma in Organic Farming	9
Total		158

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
1	Sudhanshu Ranjan	B. Sc. (Hons) Agriculture, Rural and Tribal Development	Azim Premji University, Bengaluru	M.A. in Development
2	Archana Kumari	B. Sc. (Hons) Agriculture, Rural and Tribal Development	Azim Premji University, Bengaluru	M.A. in Development
3	Mausami Anisha Lakra	B. Sc. (Hons) Agriculture, Rural and Tribal Development	Azim Premji University, Bengaluru	M.A. in Development
4	Souvik Roy	B. Sc. (Hons) Agriculture,	NIT, Durgapur	Masters in Social Work

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
		Rural and Tribal Development		
5	Manisha Sharma	B. Sc. (Hons) Agriculture, Rural and Tribal Development	NIT, Durgapur	Masters in Social Work
6	Anisha Roy	B. Sc. (Hons) Agriculture, Rural and Tribal Development	NIT, Durgapur	Masters in Social Work
7	Neha Kairi	B. Sc. (Hons) Agriculture, Rural and Tribal Development	IIM, Lucknow	MBA
8	Debkanta Roy	B. Sc. (Hons) Agriculture, Rural and Tribal Development	Tata Institute of Social Science, Tuljapur	Development Policy, Planning and Program
9	Sneha Gupta	B. Sc. (Hons) Agriculture, Rural and Tribal Development	Tata Institute of Social Science, Tuljapur	Social Work in Rural Development
10	Debobratha Mondal	B.Sc. (Hons) Agriculture	SAS, Nagaland University, Medziphema	Soil Science
11	Ankit Kujur	B.Sc. (Hons) Agriculture	Sher-e Kashmir Agricultural Science and Technology,	Agri-Business Management (ABM)

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
			Srinagar	
12	Jagruti Mahto	B.Sc. (Hons) Agriculture	Assam Agricultural University, Jorhat	Agri-Business Management (ABM)
13	Simran Madelien Ekka	B.Sc. (Hons) Agriculture	Odissa Agricultural University & Technology, Bhubaneshwar	Agronomy
14	Simran Choudhury	B.Sc. (Hons) Agriculture	Chandra Sekhar Azad University & Technology, Kanpur (UP)	Agri-Business Management (ABM)
15	Bharat Jerai	B.Sc. (Hons) Agriculture	Banaras Hindu University, Banaras (UP)	Agri-Business Management (ABM)
16	Mohit Sharma	B.Sc. (Hons) Agriculture	Banaras Hindu University, Banaras (UP)	Agri-Business Management (ABM)
17	Snehal Kumar	B.Sc. (Hons) Agriculture	Banaras Hindu University, Banaras (UP)	Agri-Business Management (ABM)
18	Vandana Kumari	B.Sc. (Hons) Agriculture	Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur (MP)	Entomology
19	Nisha Kumari	B.Sc. (Hons) Agriculture	Central Agricultural University, Imphal (MN)	Entomology
20	Vipul Kumar Mishra	B.Sc. (Hons) Agriculture	SAS, Nagaland University, Medziphema	Agricultural Economics
21	Musharrat Yassmin	B.Sc. (Hons) Agriculture	Allahabad University, Allahabad (UP)	Soil Science

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
22	Amisha Mehta	B. Voc. in Sustainable Agriculture	Tata Institute of Social Science, Tuljapur	MSW in Livelihood Entrepreneurship
23	Anil Kumar	B. Voc. in Sustainable Agriculture	Azim Premji University, Bengaluru	MA in Development
24	Aradhana Mahto	B. Voc. in Sustainable Agriculture	RKMVERI Ranchi Campus	MSc in Agriculture, Rural and Tribal Development
25	Biswajit Ghosh	B. Voc. in Sustainable Agriculture	RKMVERI Ranchi Campus	Rural Development and Management
26	Chama Munda	B. Voc. in Sustainable Agriculture	RKMVERI Ranchi Campus	Rural Development and Management
27	Debojyoti Mondal	B. Voc. in Sustainable Agriculture	RKMVERI Ranchi Campus	Rural Development and Management
28	Karan Kumar	B. Voc. in Sustainable Agriculture	RKMVERI Ranchi Campus	Rural Development and Management
29	Prabhat Kumar	B. Voc. in Sustainable Agriculture	RKMVERI Ranchi Campus	Rural Development and Management
30	Pratima Kerketta	B. Voc. in Sustainable Agriculture	RKMVERI Ranchi Campus	Rural Development and Management
31	Saikat Talukdar	B. Voc. in Sustainable Agriculture	Azim Premji University, Bengaluru	MA in Education
32	Sitaram Mahto	B. Voc. in Sustainable	RKMVERI Ranchi Campus	Rural Development and Management

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
		Agriculture		
33	Soumen Mukherjee	B. Voc. in Sustainable Agriculture	DHAN Academy-PGD	PG Diploma in Development Management
34	Tridib Singhamahapatra	B. Voc. in Sustainable Agriculture	RKMVERI Narendrapur Campus	PG Diploma in IFS
35	Vimal Kumar Mahto	B. Voc. in Sustainable Agriculture	Azim Premji University, Bengaluru	MA in Development
36	Vivek Kumar Prajapati	B. Voc. in Sustainable Agriculture	RKMVERI Ranchi Campus	MSc in Agriculture, Rural and Tribal Development

DETAILS OF STUDENTS PLACED:

S. No.	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
1	Bindesh Bediya	5-year Integrated M. Sc. in Agriculture, Rural & Tribal Development and Management	Medha Dairy, Ranchi (JH)	2023
2	Bipan Pal	5-year Integrated M. Sc. in Agriculture, Rural & Tribal Development and Management	Drishti, New Delhi	2023
3	Goutam Basak	5-year Integrated M. Sc. in Agriculture, Rural & Tribal Development	Drishti, New Delhi	2023

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
		and Management		
4	Kumari Khushbu Singh	5-year Integrated M. Sc. in Agriculture, Rural & Tribal Development and Management	Gramashri Foundation Trust, Jaipur (RJ)	2023
5	Ratan Priya	5-year Integrated M. Sc. in Agriculture, Rural & Tribal Development and Management	Syngenta Foundation India, Pune (MH)	2023
6	Rohit Oraon	5-year Integrated M. Sc. in Agriculture, Rural & Tribal Development and Management	Drishti, New Delhi	2023
7	Semali Munjni Oraon	5-year Integrated M. Sc. in Agriculture, Rural & Tribal Development and Management	Srijan, New Delhi	2023
8	Shibam Dey	5-year Integrated M. Sc. in Agriculture, Rural & Tribal Development and Management	Syngenta Foundation India, Pune (MH)	2023
9	Subhojit Das	5-year Integrated M. Sc. in Agriculture, Rural & Tribal Development and Management	Syngenta Foundation India, Pune (MH)	2023
10	Sucheta Goswami	5-year Integrated M. Sc. in Agriculture, Rural & Tribal Development and Management	Syngenta Foundation India, Pune (MH)	2023
11	Sutapa Ruidas	5-year Integrated M. Sc. in Agriculture, Rural & Tribal Development and Management	Syngenta Foundation India, Pune (MH)	2023
12	Tiasha Roy	5-year Integrated M. Sc. in Agriculture, Rural &	Jaljeevika, Pune (MH)	2023

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
		Tribal Development and Management		
13	Arbind Kumar Mahto	M. Sc. in Agriculture, Rural & Tribal Development and Management	Syngenta Foundation India, Pune (MH)	2023
14	Arpan Roy	M. Sc. in Agriculture, Rural & Tribal Development and Management	Gramashri Foundation Trust, Jaipur (RJ)	2023
15	Dipanwita Sarkar	M. Sc. in Agriculture, Rural & Tribal Development and Management	Syngenta Foundation India, Pune (MH)	2023
16	Puja Kumari	M. Sc. in Agriculture, Rural & Tribal Development and Management	Jaljeevika, Pune (MH)	2023
17	Rahul Sinhababu	M. Sc. in Agriculture, Rural & Tribal Development and Management	Axix bank Pvt. Ltd, New Delhi	2023
18	Ritam Das	M. Sc. in Agriculture, Rural & Tribal Development and Management	ISDG Foundation, Ranchi	2023
19	Samrat Roy	M. Sc. in Agriculture, Rural & Tribal Development and Management	Gramashri Foundation Trust, Jaipur (RJ)	2023
20	Satish Kumar	M. Sc. in Agriculture, Rural & Tribal Development and Management	Syngenta Foundation India, Pune (MH)	2023
21	Sayan Kumar Maji	M. Sc. in Agriculture,	Syngenta Foundation	2023

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
		Rural & Tribal Development and Management	India, Pune (MH)	
22	Soumyak Ghorai	M. Sc. in Agriculture, Rural & Tribal Development and Management	Watershed Support Services and Activities Network (WASSAN), Hyderabad	2023
23	Supravat Pyne	M. Sc. in Agriculture, Rural & Tribal Development and Management	Jaljeevika, Pune (MH)	2023
24	Supriya Mahato	M. Sc. in Agriculture, Rural & Tribal Development and Management	Syngenta Foundation India, Pune (MH)	2023
25	Sweety Kumari	M. Sc. in Agriculture, Rural & Tribal Development and Management	Gramashri Foundation Trust, Jaipur (RJ)	2023
26	Uttam Ekka	M. Sc. in Agriculture, Rural & Tribal Development and Management	WASSAN, Hyderabad	2023
27	Abhijeet Kumar	M. A./ M. Sc. Rural Development and Management	Drishti, New Delhi	2023
28	Abhishek Kumar Gautam	M. A./ M. Sc. Rural Development and Management	Karuna Sachin, Jamshedpur (JH)	2023
29	Arghya Pal	M. A./ M. Sc. Rural Development and Management	WASSAN, Hyderabad	2023
30	Ashoke Mistri	M. A./ M. Sc. Rural Development and	Drishti, New Delhi	2023

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
		Management		
31	Chayanika Roy	M. A./ M. Sc. Rural Development and Management	Pravah, Deoghar (JH)	2023
32	Deepak Kumar Mahto	M. A./ M. Sc. Rural Development and Management	Jaljeevika, Pune (MH)	2023
33	Deependra Prasad	M. A./ M. Sc. Rural Development and Management	Vidhyadhan, Bengaluru	2023
34	Deepshikha Dey	M. A./ M. Sc. Rural Development and Management	Karuna Sachin, Jamshedpur (JH)	2023
35	Ganesh Maity	M. A./ M. Sc. Rural Development and Management	Jaljeevika, Pune (MH)	2023
36	Harivrat Das	M. A./ M. Sc. Rural Development and Management	Drishti, New Delhi	2023
37	Khushboo Kumari	M. A./ M. Sc. Rural Development and Management	Srijan, New Delhi	2023
38	Rajesh Kumar Mahto	M. A./ M. Sc. Rural Development and Management	Jharkhand State Livelihood Promotion Society (JSLPS), Ranchi	2023
39	Sayak Santra	M. A./ M. Sc. Rural Development and Management	SwitchON Foundation, Kolkata	2023
40	Sita Kumari	M. A./ M. Sc. Rural Development and Management	Karuna Sachin, Jamshedpur (JH)	2023
41	Subham Das	M. A./ M. Sc. Rural	PRADAN, New Delhi	2023

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
		Development and Management		
42	Suman Mandal	M. A./ M. Sc. Rural Development and Management	PRADAN, New Delhi	2023
43	Swapna Mistry	M. A./ M. Sc. Rural Development and Management	Karuna Sachin, Jamshedpur (JH)	2023
44	Anju Prasad	B. Sc. (Hons.) Agriculture	Syngenta Foundation India, Pune (MH)	2023
45	Annu Kumari	B. Sc. (Hons.) Agriculture	Syngenta Foundation India, Pune (MH)	2023
46	Meghna Sharma	B. Sc. (Hons.) Agriculture	Syngenta Foundation India, Pune (MH)	2023
47	Parul Barnwal	B. Sc. (Hons.) Agriculture	Syngenta Foundation India, Pune (MH)	2023
48	Ruchi Rani	B. Sc. (Hons.) Agriculture	Syngenta Foundation India, Pune (MH)	2023
49	Sneha Raj	B. Sc. (Hons.) Agriculture	Syngenta Foundation India, Pune (MH)	2023
50	Sonal Kumari	B. Sc. (Hons.) Agriculture	Syngenta Foundation India, Pune (MH)	2023
51	Vishal Kumar Mahato	B. Sc. (Hons.) Agriculture	Syngenta Foundation India, Pune (MH)	2023
52	Anup Mahto	B.Voc. in Sustainable Agriculture	ICICI Foundation	2023
53	Arjun Kumar Mahto	B.Voc. in Sustainable Agriculture	4S India	2023
54	Benilal Mahto	B.Voc. in Sustainable Agriculture	Ramakrishna Ashrama, Bokaro	2023
55	Kallyani Kumari	B.Voc. in Sustainable	Unnati, Jodhpur	2023

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
		Agriculture	Rajasthan	
56	Nayan Modak	B.Voc. in Sustainable Agriculture	KHETI, HZB	2023
57	Sachin Kumar Mahto	B.Voc. in Sustainable Agriculture	ICICI Foundation	2023
58	Suraj Kumar	B.Voc. in Sustainable Agriculture	ICICI Foundation	2023
59	Sourabh Kumar	B.Voc. in Sustainable Agriculture	Sumruddhi	2023
60	Sourav Ghosh	B.Voc. in Sustainable Agriculture	Haqdarshak Pvt. Ltd.	2023

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of Current Ph. D. Scholars	Name of Supervisor
1	Dhiraj Ghosh	Dr. Dipankar Chatterjee
2	Reddi Gowtham	Dr. Avijit Kr. Dutta
3	Rupesh Kumar Monu	Dr. Dipankar Chatterjee
4	Sourav Pathak	Dr. Vishal Walmik Dhote
5	Anuj Kumar Mahto	Dr. Arunava Sengupta
6	Arindam Banerjee	Dr. Deep Narayan Mukherjee
7	Nishant	Dr. Avijit Kr. Dutta
8	Sucharita Ghosal	Dr. Deep Narayan Mukherjee
9	Lalchhandama	Dr. Arunava Sengupta

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of the papers presented in conferences, seminars, etc. with date and teaching staff

S. No.	Name	Date	Title of the paper presented
1	Dr. Soumik Dey, Asst. Professor, Agricultural Statistics	30/09/ 2023 to 02/10/ 2023	Vertical price transmission and volatility of tea markets in India. in the 6th International Conference on “Agricultural Innovations for Sustainable Development Goals with Special Focus on Natural Farming” (AISDGONF-2023)
2	Dr. Soumik Dey, Asst. Professor, Agricultural Statistics	24/12/ 2023 to 26/12/ 2023	Supply response of major oilseeds in India, a mix of price and non-price Factors in 1 st International Agriculture Conference on “Natural vs Organic Farming: In Context to Bharatiya Agriculture”
3	Dr. Saikat Biswas	26 December , 2023	Influence of different organic liquid manures and their combinations on growth, yield, quality, and economics of mustard in Eastern plateau and hill zone of India

Details of Publications in Journals and Books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	Koustab Majumdar, Rajendra Baikady and Ashok A. D’Souza (Editors)	Book Edited	Indigenization Discourse in Social Work: International Perspectives (Book)	978-3-031- 37711-2
2	Koustab Majumdar	Comparative Perspective on Social Welfare Policies for	Discover Global Society	2731-9687

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
		Indigenous Peoples in Taiwan and India: Exploring Best Practices and Lessons		
3	Koustab Majumdar, Rajendra Baikady and Ashok A. D'Souza	Understanding Indigenous Social Work Education and Practice: Local and Global Debates	Indigenization Discourse in Social Work: International Perspectives (Book)	978-3-031-37711-2
4	Koustab Majumdar, Rajendra Baikady and Ashok A. D'Souza	Indigenous Social Work Education for the Global South	Indigenization Discourse in Social Work: International Perspectives	978-3-031-37711-2
5	Koustab Majumdar, Rajendra Baikady and Ashok A. D'Souza	Interconnectedness and Cocreating Indigenous Social Work: Collaborative Approach and Future Directions for Sustainable Development	Indigenization Discourse in Social Work: International Perspectives	978-3-031-37711-2
6	Lalchhandama and Arunava Sengupta	Livelihood Diversification in Eastern Rural India: Problem and Prospects	International Journal of Research and Review	P-ISSN: 2454-2237; E-ISSN: 2349-9788
7	Dutta, A. K., Kiran, S. and Das, R. (2024).	Expression of quantitative and qualitative traits in tomato (<i>Solanum lycopersicum</i> L.) under non-chemical growing conditions in the eastern Indian plateau.	International Journal of Research in Agronomy, 7(4): 247-251.	ISSN: 2618-060X (Print) & 2618-0618

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
				(Electronic)
8	Mukherjee, S., Biswas, S., Sankar, A., Biswas, R., Sarkar, B., Yadav, P., Dey, S., Pathak, S., Gowtham, R., Biswas, S., Dhote, V.W., Mishra, P.K., Singh, A.K., and Dutta, A.K. (2023).	Optimizing the Application Timing of Liquid Organic Formulations and Their Effects on Sustainable Cowpea Production in Soils of Eastern Indian Plateau	Journal of Soil Science and Plant Nutrition, 23(4): 5781-5797.	ISSN: 0718-9508 (Print) & 0718-9516 (Electronic)
9	Ghoshal, S. and Dutta, A. K. (2023)	Expression of Quantitative and Qualitative Traits in Potato (<i>Solanum tuberosum</i> L.) Grown through Organic Production Intervention in Eastern Indian Plateau.	Current Agriculture Research Journal, 11(2): 508-519.	ISSN: 2347-4688 (Print) & 2321-9971 (Online)
10	Dipankar Chatterjee	Palani Jharna (Waterfall): Host-Guest Perspectives of an Off-beat rural tourist	International Journal of Research and Review 10 (10). 352-365	ISSN: 2349-9788

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
		Destination in Jharkhand, India		
11	Sahu, P.K., Das, M., Sarkar, B., Adarsh, V.S., Dey, S., Narasimhaiah, L., Mishra, P. & Tiwari, R.K.	Potato Production in India: a Critical Appraisal on Sustainability, Forecasting, Price and Export Behaviour.	Potato Research	0014-3065
12	Barman, M., Samanta, S., Atta, K., Dutta, S., Dey, S., Samanta, A., Tarafdar, J. and Ahmed, B.,	Biochemical and morphological basis of resistance in okra (<i>Abelmoschus esculentus</i> L.) against whitefly and jassid	International journal of tropical insect science.	1742-7584
13	Samrat Ghosh, Anupam Das, Siddhartha Mukherjee, Bishnuprasad Dash, Biswabara Sahu, Suborna Roy Choudhury, Biswapati Mandal	Agricultural management impacts on soil organic carbon storage	Agricultural Soil Sustainability and Carbon Management; Academic Press	978-0-323-95911-7 https://doi.org/10.1016/B978-0-323-95911-7.00009-8
14	Ruby Patel, Bharati Patel, M Jaison, Bishnuprasad Dash,	Impact of agroforestry ecosystem on carbon sequestration potential and climate change	Agricultural Soil Sustainability and Carbon Management; Academic Press	978-0-323-95911-7 http://dx.doi.org/10.1016/

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
	Siddhartha Mukherjee			B978-0-323-95911-7.00002-5
15	Ruby Patel, Siddhartha Mukherjee, Samrat Gosh, Biswabara Sahu	Climate Risk Management in Dryland Agriculture: Technological Management and Institutional Options to Adaptation	Enhancing Resilience of Dryland Agriculture Under Changing Climate; Springer, Singapore	978-981-19-9158-5 https://doi.org/10.1007/978-981-19-9159-2_4
16	Ruby Patel, Siddhartha Mukherjee, Biswabara Sahu, Bishnuprasad Dash, M Jaison, Kodchire Avinash, Puja Singh	Sustainable Forest Management (SFM) for C Footprint and Climate Change Mitigation	Agroforestry to Combat Global Challenges: Current Prospects and Future Challenges; Springer Nature, Singapore	978-981-99-7281-4 https://doi.org/10.1007/978-981-99-7282-1_11
17	Saikat Biswas and R. Das	Double transplanting of rice as a contingency approach to escape climate change impacts	Discover Agriculture, Springer Nature	2731-9598
18	Saikat Biswas, S. Kumari and R. Thakur	Response of potato (Solanum tuberosum L.) to different organic liquid manures in Jharkhand, India	Journal of Crop and Weed	0974-6315
19	Saikat Biswas, R. Dey and R. Thakur	Influence of Organic Nitrogen Sources on Aromatic Rice (Oryza	Environment and Ecology	0970-0420

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
		sativa L.) Cultivation in the Eastern Plateau and Hill Region of India		
20	K. Jana, Saikat Biswas, A. Sarkar, R. Mondal and K. Mondal	Chemical weed management in transplanted rice and its residual effect on follow up lathyrus (Lathyrus sativus L.)	Indian Journal of Weed Science	0253-8040
21	Saikat Biswas, D. Kumari and R. Thakur	Response of transplanted kharif rice to organic liquid formulations in a red and lateritic soil of Jharkhand	ORYZA- An International Journal on Rice	2249-5266
22	S. Mukherjee, Saikat Biswas, A. Sankar et al.	Optimizing the Application Timing of Liquid Organic Formulations and Their Effect on Sustainable Cowpea Production in Soils of Eastern Indian Plateau	Journal of Soil Science and Plant Nutrition, Springer Nature	0718-9508
23	Saikat Biswas, R. Das and R. Thakur	Effect of Corm and Soil Treatments with Organic Liquid Formulations on Performance of Elephant Foot Yam in Jharkhand, India	International Journal of Plant & Soil Science	2320-7035
24	Saikat Biswas and R. Das	Organic ways to conserve the soil under changing climate scenario	Futuristic Trends in Agriculture Engineering & Food Sciences, Iterative International Publishers (IIP), USA	978-93-5747-595-2

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
			& India	
25	Saikat Biswas and R. Das	Organic farming to mitigate abiotic stresses under climate change scenario	Plant Physiology Annual Volume 2023, IntechOpen Limited 167-169 Great Portland Street, London, W1W 5PF, UNITED KINGDOM	978-0-85014-521-2
26	Saikat Biswas and R. Das	Organic ways for long term seed preservation	Agriallis	2582-368X
27	Saikat Biswas	Dry direct seeding of rice: a traditional approach of rice cultivation under water shortage	Prabuddha Gram	2583-7451
28	Saikat Biswas and R. Das	Homa farming: A traditional farming approach for sustainability in agriculture	Agri-India Today	2249-3050
29	Saikat Biswas and R. Das	Pusa bio-decomposer: A promising option to stop crop residue burning	Trends In Agriculture Science	2583-7850
30	Saikat Biswas and R. Das	Alternate Wetting and Drying: A WaterSaving Approach of Irrigation	Vigyan Varta	2582-9467
21	Saikat Biswas and R. Das	System of finger millet intensification	Indian Farming	0019-4786
32	Arindam Banerjee, A., Mukherjee. D. N. and Senapati, R.	Profiling of Livelihood Assets of Rural Households in Gumla District of Jharkhand	Economic Affairs, Vol. 68(Special Issue), pp. 1811-1819.	ISSN - 0424-2513DOI: 10.46852/0424-513.5.2023.4

**DETAILS OF SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES /
SYMPOSIUMS HOSTED / ORGANISED DURING THE YEAR**

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
1	11 May 2023	<i>Celebration of National Technology Day 2023, Attend Total number of students is 50 (M: 30, F: 20)</i>
2	5 June 2023	Celebration of 'World Environment Day' 2023, Total number of students is 85 (M: 45, F: 40)
3	21 June 2023	Celebration of International Day of Yoga- 2023 whereas total number of students is 80 (M: 40, F: 40)
4	25 July 2023	One Day Hands on Training (HoT) on SPSS for Social Science Enthusiasts. In F/C: ARTD, RKMVERI, Ranchi by Dr. Soumik Dey
5	1 August 2023	Placement Orientation Programme of BVSA 2020.
6	9 August 2023	International Day of the World's Indigenous People - 2023 Whereas total number of students is 60 (M: 35, F: 25)
7	12 August 2023	a special lecture on 'Curb the Menace of ragging" as a part of the observance of Anti Ragging Day will be held on 12/08/2023 (Saturday) at 2.15 pm, whereas total number of students is 55 (M: 30, F: 25)
8	14 August 2023	Celebration of Horror Day 2023, Whereas total number of students is 120 (M: 60, F: 60)
9	15 August 2023	Celebration of 77th Independence Day Whereas total number of students attend the celebration is 37 (M: 20, F: 17)
10	16 August 2023	Meri Mati Mera Desh 2023 Whereas total number of students is 80 (M: 40, F: 40)
11	22 August 2023	Crossing Borders, Shaping Futures: Transformative Experience through International Education Whereas total number of students is 45 (M: 25, F: 20)
12	23 August 2023	Career Counselling and Personality Development Whereas total number of students is 60 (M: 35, F: 25)
13	30 August 2023	Deeksharambh (Student Induction programme) Whereas total number of students is 75 (M: 40, F: 35)
14	6 September	Special Lecture on Basics of LinkedIn Whereas total number of

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
	2023	students is 60 (M: 30, F: 30)
15	11 September 2023	Celebration of Swamiji's Chicago Address Whereas total number of students is 140 (M: 70, F: 70)
16	31 October 2023	Celebration of National Unity Day 2023 total number of students who attend the celebration is 33 (M: 8, F: 25)
17	9 November 2023	Ethnographic Documentry 2023 total number of students who attend the special lecture is 70 (M: 40, F: 30)
18	15 November 2023	Celebration of Janjatiya Gaurav Diwas - 15 Nov 2023 total number of students who attend the celebration is 46 (M: 28, F: 18)
19	4 December 2023	Humble Bee Building a Golden Revolution in India by Leveraging technology - 04 Dec 2023 total number of students who attend the special lecture is 100 (M: 60, F: 40)
20	5 December 2023	One day Seminar of World Soil Day - 05 Dec 2023 2023 total number of students who attend the workshop Seminar is 80 (M: 40, F: 40)
21	11 December 2023	Voice of Youth Consultation 2023 Whereas total number of students is 8 (M: 2, F: 6)
22	16 February 2024	Celebration of The Birthday of Maa Sarada and Swami Vivekananda 2024 total number of students who attend the celebration is 45 (M: 25, F: 20)
23	17 February 2024	Rural Empowerment through SHG Based instruction in west bangal Under NRLM - 17 Feb 2024 total number of students who attend the special lecture is 60 (M: 35, F: 25)
24	8 March 2024	Celebration of Womens Day - 08 Mar 2024 total number of students who attend the celebration is 75 (M: 40, F: 35)
25	9 March 2024	Celebration of the Birthday of Thakur Sri Ramakrisna Deva - 09 Mar 2024 total number of students who attend the celebration is 75 (M: 40, F: 35)
26	13 March 2024	Agri - clinic and Agri Business Scheme - 13 Mar 2024 total number of students who attend the workshop Seminar is 77 (M: 45, F: 32)
27	15 March 2024	Talk on "Total Personality Development" by Swami Nikhileshwarananda whereas total number of students who attend the special lecture is 349 (M: 192, F: 157)

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

S. No.	Investigator (staff)	Name of the project & other details	Funding Agency
1	PI- Dr. Arunava Sengupta Co PI- Dr. Deep Narayan Mukherjee	An Analytical Study of Tribal Students Dropouts and Transition rate in rural as well as urban schools	Dr. Ramdayal Munda Tribal Welfare Research Institute, Govt. of Jharkhand
2	Dr. Avijit Kr. Dutta (PI)	Science, Technology and Innovation Hub for Creating Sustainable Livelihood Opportunities of Scheduled Tribes in Angara Block, Ranchi District, Jharkhand.	Department of Science and Technology (DST), Government of India
3	Dipankar Chatterjee as Project Director	History, Culture and Livelihood of the Birhor Tribe of Eastern India: An Ethnographic Perspectives	Indian Council of Social Science Research (ICSSR), New Delhi
4	Dipankar Chatterjee Principal Investigator	Ethnographic Studies of Castes of Jharkhand, Pardhi, Lodha and Lodhi	Dr. Ram Dayal Munda Tribal Welfare Research Institute (TRI), Govt. of Jharkhand.
5	Dr. Sudarsan Biswas and Dr. Rupak Goswami	Project Title- "A Study on the Impact of Natural Farming on Nutrition" Duration- Three Months (25 March 2024 to 24 June 2024) Type of Project- Consultancy Research Project Sanctioned Amount- Rs. 3.00 lakh (Rupees Three Lakh) only	Watershed Support Services and Activities Network (WASSAN), Hyderabad, Telangana

S. No.	Investigator (staff)	Name of the project & other details	Funding Agency
6	Dr. Deep Narayan Mukherjee, PI	Prevalence of Agro-Technique among Tribal Communities and its Impact on Their Economic Development	Dr. Ram Dayal Munda Tribal Welfare Research Institute (TRI), Govt. of Jharkhand

ANY OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

a) Village & Institutional Visits: In each semester students must do educational visits to different villages and Govt. & Non-Govt. organizations/Institutions for detailed study under different course. Students have visited the following villages during the reporting period – Nawagarh, Ara Keram, Kuchu Pahan Tola, Chipibanddihi, Dublabera, Karkare, Dhurleta, Kharkutoli, Tirlakocha, Obar etc.

Institutional visits conducted during the reporting period includes Primary Health Centre (PHC), Bero; ASHA, Birsa Agricultural University, Kokar Industrial Area, Central Tasar Training and Research Institute (CTTRI), Nagri; IINRG, Namkom, Birsa Zoological Garden, Biodiversity Park.

b) Village Level Youth Convention: During the reporting period, Ranchi campus students, research scholars and staff actively participated in a village level youth convention on 19.5.2023 at Khunti district, Jharkhand organised by Ramakrishna Mission Ashrama. Students helped with registration, cultural events, and delivering speeches about Swami Vivekananda. During the day-long events, a group of students was tasked with identifying the village's major problems. The findings were shared with the villagers during the afternoon session's group discussion to determine possible solutions. The programme was a huge success, and it provided students with an excellent learning opportunity. The programme also inspired and empowered rural youth by demonstrating future opportunities.

c) Kisan Mela: In collaboration with Divyayan Krishi Vigyan Kendra, the ARTD faculty center organised regional and central Kisan Melas, in which students and staff from the faculty centre actively participated. The event schedule is provided as follows:

Date	Place	Faculty/Staff	Students	Remarks	No. of Participants
9.01.2024	Beyang, Dulmi block, Ramgarh Jharkhand	Dr. Saikat Biswas (L) Sri Arindam Banerjee and Sri Anuj Mahto	Second Year of ARTD (Batch 2022)	All students of the concerned semester will arrange and dismantle the stall at Mela Ground	40
17.01.2024	Karkutoli, Burmud block, Ranchi, Jharkhand	Sri Ajeet Upadhyay (L), Sri Lalchandama and Sri Sourav Pathak	First Year B.Voc (Batch 2023).	-do-	40
30.1.2024	Baridih, Bero, ranchi, Jharkhand	Dr. P.K.Mishra (L), Ms Sucharita Ghoshal and Sri Nishant	First Year B.Sc. Ag, First and Second year of RDM.	-do-	70
8.2.2024	Getalsud, Angara, Ranchi	Dr. A Sengupta (L) and other faculty and staff	Third year ARTD and Second year B.Sc. (Ag)	-do-	70
9.2.2024	Getalsud, Angara, Ranchi	Dr. Soumik Dey (L) and other faculty and staff	Fourth year ARTD and Second year B.Voc	-do-	70

Alumni Meet was organised on 24th December 2023 in the faculty centre which was attended by 38 alumni members. The new alumni association was formed in the meeting. Various issues related to the advancement of the faculty centre was discussed in the meeting.

Annual Convocation 2023

Annual convocation for the Ranchi campus was held on 27 September, 2023, where a total of 158 students of various programme received their degree certificates. Honourable Chief minister of Jharkhand, Sri Hemant Soren was the Chief Guest. Other guests include Sri Badal Patralekh, Honourable Agriculture Minister, Swami Suvirananda Maharaj, Chancellor, RKMVERI, Swami Atmapriyananda, Pro-Chancellor, RKMVERI, Swami Sarvottamananda, Vice Chancellor, RKMVERI etc.

ANY OTHER MISCELLANEOUS INFORMATION

A. Annual Sports 2024

The Annual sports for the faculty center of Agriculture, Rural and Tribal Development, Morabadi, Ranchi-834008 was held in the month of February, 2024 involving students, faculties, research scholars and other staffs. **More than 200 candidates (including boys and girls)** participated across 5 individual events like Badminton single (Boys and Girls), Table Tennis, Carrom, Athletics, Musical Chair and 7 team events like Table Tennis Doubles, Badminton Doubles (Boys and Girls), Football, Volleyball, Cricket, Tug of War and Carrom.

B. Joy of Learning Programme (JoLP)

Joy of Learning Programme (JoLP), the first of its kind, was organized by this off-campus faculty centre of our university (RKMVERI) on 28.02.2024 (Wednesday) & 8:00 AM -6:00 PM at VSS/CFC Barwatoli, Rangamati, Nawagarh Panchayat with the following details

- Venue: VSS/CFC Barwatoli, Rangamati, Nawagarh Panchayat
- Date (Day) & Time: 28.02.2024 (Wednesday) & 8:00 AM -6:00 PM
- Trade(s): An exploratory learning opportunity on organic farming & natural resource-based livelihood
- Farmers as Teacher: Santosh Bediya, Vivekananda Krishi Mitra (Organic) & Anita Devi, Maa Laxmi Nawachar Samity (Sal Leaf Plate/*Dona* Maker)
- Back-up Support: RKMVERI Ranchi Campus, DST STI Hub Project & VKMP
- Stakeholders: Students of B. Sc. (Hons.) Agriculture Programme [Batch-2022 (48 students), & Batch-2020 (5 students)], STI Hub Project Staff (7 heads), students of Akhandananda Siksha-O-Sanskar Kendra (27 heads) and villagers (beneficiary households of VKMP & DST STI Hub Projects)
- Faculty Representative(s): Dr. Avijit Kr. Dutta & Dr. Vishal Walmik Dhote
- Compere: Supriya Suman (Ag-2020 Batch)

C. Internship Mela: Internship Mela- 2024

The institute organised internship mela during March 2 nd to 4 th 2024 to provide internship opportunity to the students of undergraduate and postgraduate programmes. For the event different organizations (NGO) working in the field of

agriculture and rural development were invited to select the students for internship. Among the invited organization, seven organizations participated in the event and provided internship opportunity 25 students.

List of the organization-

1. Karuna- Sechen, Hat, Jamshedpur (JH)
2. 4S India, Ranchi
3. Kalamandir, Jamshedpur
4. MATI India, Ranchi
5. Society for Promotion of Westland Development (SPWD), Ranchi
6. Divyayan Krishi Vigyan Kendra, Ranchi
7. RKMVERI, Ranchi

NAME OF THE FACULTY CENTRE:
AGRICULTURE, RURAL AND TRIBAL DEVELOPMENT,
COIMBATORE CAMPUS

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Dr. K. Vinoth Kumar	Assistant Professor
2	Dr. N. Jaivel	Assistant Professor
3	Dr. C. Partheeban	Assistant Professor
4	Mr. S. Kasinathan	Assistant Professor
5	Mr. B. Muthuraja	Assistant Professor

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	Integrated M.Sc. (IRTD)	5
2	M.A./M.Sc. (RDM)	3
Total		8

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	B.Sc (Hons) Agriculture	51
Total		51

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
1	Vikanasan .V	B.Sc. (Hons.) Agriculture	NMV University	M.Sc. in Agricultural Economics
2	Haribalan .B	B.Sc. (Hons.) Agriculture	NMV University	M.Sc. in Agricultural Economics
3	Sivasundar Esakkimuthu	B.Sc. (Hons.) Agriculture	Central University of Kerala	M.Sc. in Environmental Sciences
4	Gopi .P	B.Sc. (Hons.) Agriculture	Annamalai University	M.Sc. in Agronomy

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of the papers presented in conferences, seminars, etc. with date and teaching staff

S. No.	Name	Date	Title of the paper presented
1	Dr. C. Partheeban	23.03.2024	Assessment and Awareness to Reduce the Infant Mortality Rate Though Indian Health Schemes
2	Dr. N. Jaivel	23.03.2024	Assessment of Digital Gadget Utilization and Child Behavior
3	Mr. S. Kasinathan	23.03.2024	Children's Health and Nutrition: The Impact of Dietary Choices on Well-being of future pillars of India

Details of Publications in Journals and Books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	C. Partheeban	Expression Level of Heat Shock Protein in Blackgram under Elevated Heat Stress	International Journal of Economic Plants	2349-4735

**NAME OF THE FACULTY CENTRE:
FACULTY OF DISABILITY MANAGEMENT AND SPECIAL
EDUCATION, COIMBATORE CAMPUS**

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Dr. N. Muthaiah	Dean
2	Dr. S. Parween	Assistant Professor
3	Dr. J.B. Dheesha	Assistant Professor
4	Dr. K. Dhanalakshmi	Assistant Professor
5	Mrs. S.N. Hamsapriya	Assistant Professor
6	Mrs. M. Senthilvani	Assistant Professor
7	Dr. A. Sudha	Assistant Professor
8	Dr. Saumya Chandra	Assistant Professor
9	Dr. S. Logesh Kumar	Assistant Professor
10	Mrs. V. Indirani	Assistant Professor
11	Dr. S. Sukumari	Assistant Professor
12	Dr. M. Sumathi	Assistant Professor
13	Dr. Nandita Chakrabarty	Assistant Professor
14	Dr. Jignya Shah	Assistant Professor
15	Mrs. D. Seshasri	Assistant Professor

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	Diploma in Indian Sign Language Interpretation	2
2	B.Ed. Special Education (Visual Impairment)	2
3	B.Ed. Special Education (Hearing Impairment)	5
4	B.Ed. Special Education (Intellectual Disability)	14
5	Integrated B.Ed.-M.Ed. Special Education (Intellectual Disability)	13
6	M.Ed. Special Education (Hearing Impairment)	2
7	Ph.D Special Education (Intellectual Disability)	3
Total		41

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	B.Ed. Special Education (Visual Impairment)	2
2	B.Ed. Special Education (Hearing Impairment)	2
3	B.Ed. Special Education (Intellectual Disability)	10
4	Integrated B.Ed.M.Ed. Special Education (Intellectual Disability)	11
5	M.Ed. Special Education (Visual Impairment)	2
6	M.Ed. Special Education (Intellectual Disability)	2 (Out of 2, one candidate passed after convocation by writing Arrear Exam)
Total		29

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION: 2022-2023 Batch

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
1	Preas Antony.P	B.Ed Spl.Edn (VI)	Dr. Shakuntala Misra National Rehabilitation University Luckow	M.Ed Spl.Edn (V.I)
2	Aravind Kumar.K	M.Ed Spl.Edn (ID)	FDMSE	Ph.D Spl.Edn (ID)
3	Karnambigai Suriya	M.Ed Spl.Edn (ID)	FDMSE	Ph.D Spl.Edn (ID)
4	Sinduja.S	M.Ed Spl.Edn (ID)	FDMSE	Ph.D Spl.Edn (ID)

DETAILS OF STUDENTS PLACED: 2022-2023 Batch

S. No.	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
1	Celestine Rosario .M	B.Ed Spl.Edn (VI)	Thulir Special School, Coimbatore	2023
2	Lavanya .M	B.Ed Spl.Edn (HI)	Sri Gowdhama Buthar Special School for the Speech and Hearing Impaired, Perambalur	2023
3	Vevek .M	B.Ed Spl.Edn (HI)	Srimathi Karthikeyani Special School, Palani	2023
4	Badhra .P	B.Ed Spl.Edn (ID)	Sai Kirupa School for Special Children, Salem	2023
5	Bagya Lakshmi .A	B.Ed Spl.Edn (ID)	Thulir Therapy Centre and Special School, Coimbatore	2023
6	Biswajit Das	B.Ed Spl.Edn (ID)	BVB Mondal Public Secondary School Madhupur, Diglipur,	2023

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
			Andaman and Nicobar Islands	
7	Kaavya .A	B.Ed Spl.Edn (ID)	Kaumaram Prashanthi Academy, Coimbatore	2023
8	Lekha .A	B.Ed Spl.Edn (ID)	Sakthi Vigneshwara Kalvi Nilayam, Tirpur	2023
9	Logalakshmi .S	B.Ed Spl.Edn (ID)	ADITI Child Development and Educational Trust, Coimbatore	2023
10	Muneeswari. M	B.Ed Spl.Edn (ID)	Ambika pediatric hab and rehab centre Gudalur Goundampalayam 641020	2023
11	Ragha Ganesan	B.Ed Spl.Edn (ID)	Willow Rehabilitation Services, Bangalore	2023
12	Usha Nandhini .M	B.Ed Spl.Edn (ID)	SEWA International, Mumbai	2023
13	Aakash .R	Int.B.Ed., M.Ed Spl.Edn (ID)	South Central Kansas Special Education Cooperative, Kansas	2023
14	Adithya .K	Int.B.Ed., M.Ed Spl.Edn (ID)	AKKARA Foundation, Kerala	2023
15	Maya .S	Int.B.Ed., M.Ed Spl.Edn (ID)	Vydehi Institute of Medical Science and Research Centre, Whitefield, Bangalore.	2023
16	Naheeda .K	Int.B.Ed., M.Ed Spl.Edn (ID)	Seer Baniyas Charter School, Abu Dhabi	2023
17	Rajashree	Int.B.Ed., M.Ed Spl.Edn (ID)	Ama Adhikar Foundation, Bhubaneswar, Odisha	2023
18	Sinthiya .T	Int.B.Ed., M.Ed Spl.Edn (ID)	Aravind Foundation, Chennai	2023
19	Vidhya Narendra	Int.B.Ed., M.Ed	Aravind Foundation,	2023

S. No	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
	Babu	Spl.Edn (ID)	Chennai	
20	Vishnupriya .M	Int.B.Ed., M.Ed Spl.Edn (ID)	Aravind Foundation, Chennai	2023
21	Puspendu Jana	M.Ed Spl.Edn (VI)	Nehru Seva Sangh, Odisha	2023
22	Murugan T	M.Ed Spl.Edn (ID)	Paul Institute of Special Teacher Training, Thiruvannamalai	2023
23	Sasirekha S	M.Ed Spl.Edn (ID)	YOU CAN- School for Special Needs, Coimbatore	2023

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of Current Ph. D. Scholars	Name of Supervisor
1	Baiju Thomas	Dr. S. Logesh Kumar
2	Kiruthuga K.	Dr. Sudha A.
3	Roopavathy S.	Dr. Saumya Chandra
4	Uma Maheswari N.	Dr. Saumya Chandra
5	Lalrin Hlui	Dr.S.Parween
6	Aravind Kumar K	Dr. Sudha A.
7	Karnambigai Suriya D	Dr. Saumya Chandra
8	Sinduja S	Dr. Sudha A.

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of the papers presented in conferences, seminars, etc. with date and teaching staff

S. No.	Name	Date	Title of the paper presented
1	Dr. S. Parween & Dr. J.B.Dheesha	18.04.2023	'Ensuring Social Inclusion of Youth with Visual Impairment through Digital Literacy Skills' in Tamil Nadu State Council for Higher Education (TANSCHE) sponsored Two-Day Virtual Conference on "Capacity Building and Youth Empowerment: Design Thinking Approach for Sustainable Governance" organised by PSG College of Arts & Science Coimbatore
2	Dr. J.B.Dheesha & Dr. S. Parween	19.04.2023	'Assistive Technology is the Anchor for Social Inclusion for Persons with Disabilities' in Tamil Nadu State Council for Higher Education (TANSCHE) sponsored Two-Day Virtual Conference on "Capacity Building and Youth Empowerment: Design Thinking Approach for Sustainable Governance" organised by PSG College of Arts & Science Coimbatore
3	Dr. Saumya Chandra	19.04.2023	'Addressing the needs of Children with Cognitive Disabilities and Neuro-developmental Disorders' in a Series of Symposium organised by School of Education, Lovely Professional University, Phagwara, Punjab
4	Dr. S. Parween & Ms.H.Lalrinhlui, Ph.D Scholar	25.05.2023	'Technological Innovations in the Teaching Learning of Students with Visual Impairment at Higher Education' in One Day - National Conference on 'Art of Teaching Methods for Empowering the 21st Century Learners through New Age Pedagogy' organised by Dr.SNS College of Education,

S. No.	Name	Date	Title of the paper presented
			Coimbatore
5	Dr. J.B.Dheesha, Asst. Professor & Ms. Lalammuanpuii Pachuau, II Year Student - M.Ed Special Education (V.I)	25.05.2023	Effective Strategies and Approaches for Teaching Students with Visual Impairment in One Day - National Conference on 'Art of Teaching Methods for Empowering the 21st Century Learners through New Age Pedagogy' organised by Dr.SNS College of Education, Coimbatore
6	Dr.Sukumari S.	01.10.2023	Infantile Neuronal Ceroid Lipofuscinoses- An evidence based case study in 8th National conference conducted by Physiotherapy Professionals Confederation, Madurai.
7	Dr. Sudha. A, & Ms. Kiruthiga.K, Research Scholar, FDMSE- RKMVERI	30.11.2023	Empowering Girls with Disabilities: Promotion of Inclusion Through Enhanced Reading Skills in National Conference on Rights of Women with Disabilities – Breaking Barriers for Equity and Accessibility organised by Department of Special Education & Women’s Studies Centre, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
8	Dr. S.Parween & Ms. H. Lalrinhlui, Ph.D. Scholar	30.11.2023	Accessible and Inclusive Digital Solutions for Women with Disabilities : A Literature Review in National Conference on Rights of Women with Disabilities – Breaking Barriers for Equity and Accessibility organised by Department of Special Education & Women’s Studies Centre, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
9	Dr. Nandita Chakrabarty	03.12.2023	The Impact of Techno-Pedagogy to Promote Inclusion: Examining the Role of SMART Teachers in Empowering Students with Diverse Learning

S. No.	Name	Date	Title of the paper presented
			Needs in National E-Conference on "Interdisciplinary Teaching Approaches for Future Learning", organized by Faculty of Education, ICFAI University, Tripura
10	Mr. Baiju Thomas, Ph.D. scholar & Dr. S. Logeshkumar,	6 th - 8 th December 2023 (online)	A study on attitude of general education teachers towards inclusive education for students with intellectual disabilities in International Multidisciplinary Conference on Current Research Trends (IMCCRT - 2023) jointly organized by ESN publications, Mother Teresa University and Mentor X at Kathmandu University, Nepal
11	Mr. Baiju Thomas, Ph.D. Research Scholar and Dr. S. Logeshkumar	26 - 28 February 2024	Awareness of Inclusive Education for Students with Intellectual Disability among General Education Teachers in UP in International Conference on Innovative Research and Development (ICIRD - 2024) Organized by Metharath University

Details of Publications in Journals and Books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	Ms. Kiruthiga K (Research Scholar) & Dr. Sudha. A, Asst. Professor, RKMVERI-FDMSE	Improving reading skills of children with intellectual disability through Phonics-based instruction in an inclusive setting: reading for inclusion	Indian Journal of Psychology, UGC CARE Approved, Peer Reviewed Journal	ISSN: 0019-5553
2	Ms. Uma N. Maheshwari (Research Scholar) & Dr. Saumya Chandra, Asst. Professor,	Analyzing E-Content for Contextual Learning: A Focus on Special Educators	International Journal of Cultural Studies and Social Sciences, Vol. 20, Issue 10 UGC CARE Approved, Peer Reviewed	ISSN No: 2347-4777

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
	RKMVERI-FDMSE		Journal	
3	Dr. Saumya Chandra, Asst. Professor, RKMVERI-FDMSE & Ms.Uma Maheshwari.N, Research Scholar, RKMVERI-FDMSE	Empowering Inclusive Education through E-Content: Strategies for Accessibility and Participation in UGC CARE	Indian Journal of Psychology, Vol. 4, Issue 1	ISSN No. 0019-5553
4	Mrs. V. Indirani, Asst. Professor, RKMVERI-FDMSE	An Analysis of Communication and Social Skills in Individuals with Intellectual Disability"	International Journal of Novel Research and Development (IJNRD) (Volume 9, Issue 2 February 2024)	ISSN: 2456-4184
5	Dr.S.Parween, Asst. Professor, FDMSE Dr.R.Giridharan, Associate Professor, GAPEY, Dr.J.B. Dheesha, Asst. Professor, FDMSE & Mr.Maruthamuthu , Research Assistant, FDMSE	Effect of Adapted Physical Activities on Sustained Attention and Working Memory of Students with Visual Impairment	International Journal of Research and Analytical Reviews - IJRAR Vol:11, Issue:2, April 2024 Impact Factor: 7.17 UGC Approved, Peer Reviewed Journal	E-ISSN 2348-1269, P- ISSN 2349-5138,
6	Ms.K.Kiruthiga, Research Scholar, RKMVERI-FDMSE & Dr.Sudha.A , Asst. Professor, RKMVERI-FDMSE	Exploring Factors affecting Reading Skills of Students with Disabilities in Primary Class Levels	Journal of the School of Language, Literature and Culture Studies IF: 7.138 Series :26, Book No.02, 2024 UGC CARE Listed Journal	ISSN: 0972-9682
7	Dr.K.	Inclusive Education: A	Reforming	ISBN: 978-

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
	Dhanalakshmi Asst. Professor, FDMSE	Revolutionary System for Students with Special Needs	Disabilities in Special Education	93-89484-95-3 & Kanishka Publishers, New Delhi 2024.
8	Dr.S.Parween Asst. Professor, FDMSE	Accessibility Challenges and Concerns for Students with Visual Impairment at Higher Education	A Handbook on Academic Accommodation for Students with Disabilities in Higher Education.	ISBN:978-91-989240-6-0 I ISBN -10:91-9892-40-6-0 I DOI:10.25215/9198924060, Red'Shine Publication March 2024
9	Dr. Nandita Chakrabarty Asst. Professor, FDMSE	Bridging the Gap: Empowering Every Student – Artificial Intelligence's Transformative Role in Inclusive Higher Education for Students with Disabilities	A Handbook on Academic Accommodation for Students with Disabilities in Higher Education	ISBN:978-91-989240-6-0 I ISBN -10:91-9892-40-6-0 I DOI:10.25215/9198924060, Red'Shine Publication March 2024
10	Dr. K. Dhanalakshmi		Information and Communication Technology and Creative Writing Skills for Students with Visual Impairment	ISBN Number 978-93-5636-197-3 Year 2023

**DETAILS OF SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES /
SYMPOSIUMS HOSTED / ORGANISED DURING THE YEAR**

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
1	19 th April 2023.	Vision & Hearing Screening Camp
2	11 th May, 2023	A Workshop cum demo class on 'Accessing e-books' for faculty members and students
3	22 nd to 26 th May 2023	A Five- Day training programme in Indian Technical Sign Language was organised for five Master Trainers from Worth Trust, Katpadi, Vellore District.
4	16th September 2023	One-day online RCI approved Refresher program on Research Methodology in Special Education
5	23 rd September 2023	Workshop on "Library operations with KOHA OPAC and Online Educational Resources (OER)" for teacher trainees and Research Scholars
6	4 th & 5 th October 2023	A two-day Program on Community Based Rehabilitation for Persons with Disabilities at Velliyangadu Government Higher Secondary School, Coimbatore District
7	27 th to 28 th October 2023	A two-day Training Programme on Orientation and Mobility for Students with Visual Impairment
8	20 th November 2023	A one-day program on Holistic Development of Students with Disabilities in connection with Children's Day
9	29 th February 2024	Department of Visual Impairment organized a One - Day Orientation Program on Strategies to Access Children with Special Needs in Inclusive Classrooms for B.Ed. & M.Ed. General Teacher Trainees
10	24 th February 2024	Hearing Screening Camp
11	4 th March, 2024 (ongoing)	A Two-month online training programme in Basics of Indian Sign Language for four Assistant professors from Government Arts College, Paramakudi, Ramanathapuram
12	5 th March, 2024	A one-day Sensitization Program for the parents on 'Ear and

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
		Hearing Care'
13	13 th to 15 st March, 2024	A three-day offline RCI approved CRE training programme on 'Early Intervention for Children with Developmental Delay'
14	26 th March 2024	A one-day training program for children with Special Needs "SWAVRIDDHI" (a Self- Development Programme)
15	27 th March 2024	Vision screening camp in collaboration with Aravind Eye Hospital, Peelamedu, Coimbatore
16	27 th March 2024	Department of Hearing Impairment conducted a one-day Awareness Program on 'Career Readiness Competencies and Job Avenues for Students with Hearing Impairment'
17	30 th March 2024	Department of Intellectual Disability conducted a one-day Awareness Program on "Empowering Parents: Mental Health Awareness and Support for Parents of Children with Intellectual and Developmental Disabilities" for Parents of Children with Intellectual Disability

Details of Guest Lectures Organised

S. No.	Date	Details of Guest Lectures Organised
1	22 September 2023	Parenting the Toddlers with Disabilities and the Vitality of Early Intervention' by Dr. J. Vijayalakshmy (Former HOD, Department of Medical Sciences, Senior Consultant, Early Intervention - NIEPMD, Chennai)
2	09 October 2023	Intelligence, Intellectual Disability and its Challenges (through online mode) by Dr. Qury Nagadia, Consultant Paediatrician, Bronx - NY, USA
3	09 October 2023	Tools & Areas of Assessment in the Pediatric Population (through online mode) by Dr. Dore Dorzia, Pediatrics Resident Physician (Montefiore Medical Center) Bronx - NY, USA
4	11 October 2023	Intellectual Disability - Latest Evidence in Rehabilitation Medicine & Future Directions (through online mode) by Dr. Anusha Lekshminarayanan, MBBS, MD, Sports Medicine Physician at Westchester Medical Center and Assistant Professor at New York Medical college, USA
5	24 February	Unfolding the Web of Autism through Social Stories by Ms.

S. No.	Date	Details of Guest Lectures Organised
	2024	Teresa V. Sebastian (Behaviour Analyst and Assistant Professor, School of Psychology, Christ University, Bengaluru)
6	22 March 2024	Glow from Within: Self-belief, Resilience and Positivity by Dr. Prabha Hariharan (PhD in Exceptional Children, University of Wisconsin, Milwaukee, USA)

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

S. No.	Investigator (staff)	Name of the project & other details	Funding Agency
1	Dr. K. Dhanalakshmi-Principal Investigator Dr. J. B. Dheesha - Co-Principal Investigator Ms. M. Lavanya & Mr. M. Clinton , Project Assistants	Minor Research Project Title: Effect of Heritage Games on the Academic and Social Skill Development of Students with Visual Impairment at Primary Level Budget : 1.5 Lakhs Duration : 6 Months	Indian Council of Social Science Research (ICSSR), New Delhi.
2	Dr.S.Parween – Project Director Dr.R.Giridharan – Co- Project Director 1 Dr.J.B.Dheesha– Co- Project Director 2	Major Research Project Title: Effectiveness of Adapted Physical Activities on the Executive Functioning of Students with Visual Impairment	Indian Knowledge Systems, Division of the Ministry of Education, New Delhi

S. No.	Investigator (staff)	Name of the project & other details	Funding Agency
	Maruthamuthu.K- Project Assistant	Budget :10 Lakhs Duration : 2 years	

ANY OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

The following meetings/ events were organized:

S.No.	Name of the Meeting	Date
1	Orientation session on web blog creation and OBS software was conducted	01.04.2023
2	Placement Cell Meeting	05.04.2023
3	Student Council Meeting	12.04.2023
4	Finance Committee Meeting	14.06.2023
5	Pre Board of Studies Meeting	15.06.2023.
6	Passing Board Meeting	28.06.2023
7	Implementation committee Meeting for the TN State Grant, 2023	07.08.2023
8	Research Advisory Committee Meeting	18.08.2023
9	Board of Studies Meeting	23.08.2023
10	Internal Quality Assurance Cell (IQAC) meeting -1	15.09.2023
11	Information System (ISR) Meeting	21.9.2023
12	18 th Convocation of the four Faculties of RKMVERI, Coimbatore Campus	11.10.2023
13	Academic Council Meeting	30.10.2023
14	Research colloquium for PhD Scholars and students	31.10.2023
15	Academic Audit	27.11.2023

S.No.	Name of the Meeting	Date
16	Cultural and literacy committee meeting	01.12.2023
17	Doctoral Committee Meeting for Ms. Lalrinhlui (PhD Scholar) & Mr. Baiju Thomas, (PhD Scholar)	08.02.2024 & 13.02.2024
18	Placement Cell Meeting	08.2.2024
19	Research colloquium for PhD Scholars and students	09.02.2024
20	Faculty Development Program on E-Tools in Teaching and Learning	20.02.2024
21	Faculty Development Program on Research and Publication Ethics	21.02.2024
22	Internal Quality Assurance Cell (IQAC) meeting -2	06.03.2024
23	15th Institutional Ethics Committee Meeting of FDMSE & GAPEY	07.03.2024
24	Passing board meeting for Ph.D. in Special Education	15.03.2024

The following days were observed:

S.No.	Name of the Day of Importance	Date
1	World autism awareness day	01.04.2023
2	Annual Day	06.06.2023
3	77th Independence Day	15.08.2023
4	International Sign Languages Day	23.09.2023
5	World White Cane Day	16.10.2023
6	Rashtriya Ekta Diwas	31.10.2023
7	National Constitution Day	27.11.2023
8	International Day of Persons with Disabilities	06.12.2023
9	Parakram Diwas	23.1.2024
10	National Girl Child day	24.1.2024
11	75 th Republic Day	26.1.2024

S.No.	Name of the Day of Importance	Date
12	International Women's Day celebration	08.03.2024
13	World Down Syndrome day	21.03.2024

ANY OTHER MISCELLANEOUS INFORMATION

- District Level Literary Competitions for the Differently Abled was organized on 31.08.2023. A total of 88 students with special needs from 20 educational institutions (13 general and special schools and 7 higher education institutions) participated in the event.
- The Physiotherapy Unit organized an assessment camp for children with cerebral palsy on 06.10.2023. Dr. Venkatadass and Dr. Rakesh from Ganga Hospital, Coimbatore assessed the children and a treatment plan was suggested to parents.
- A one-day sports meet for persons with disabilities on 28.10.2023.
- A 2-day Workshop on Screen Readers and Accessible E-Pub Books Development for the B.Ed. Spl. Edn. Teacher Trainees (Visual Impairment) was conducted on 29.11.2023 & 30.11.2023
- The Rehabilitation Council of India (RCI) Inspection for the following programs was held on 26.02.2024 through online mode.

S.N	Programmes	Visiting Experts	Affiliation
1	M.Ed. (ID) D.Ed. (IDD)	Mrs.B.Leelavathi	Lecturer in Special Education, National Institute for Empowerment of Persons with Disabilities (NIEPMD), Chennai
2	B.Ed. (HI)	Dr. Kandula Sridevi	Lecturer in Special Education Ali Yavar Jung National Institute for Hearing Handicapped (AYJNIHH), Secunderabad

- **Scholarship**

The following four Second year B.Ed Spl.Edn teacher trainees (2021-2023 Batch) received a scholarship amount of Rs.70,000/- (for 2 years) from Cognizant Foundation, Chennai.

1. Celestine Rosario.M - II B.Ed Spl.Edn (V.I)

2. Lavanya.M - II B.Ed Spl.Edn (H.I)
3. Badhra.P - II B.Ed Spl.Edn (I.D)
4. Bagya Lakshmi. A - - II B.Ed Spl.Edn (I.D)

Placement Cell Activities:

For the Academic year 2022-2023

- As a part of the placement cell activity, an Orientation Programme on “Developing Professional Skills” was organized for outgoing students [II year B.Ed., M.Ed., Spl.Edn (VI,HI,ID) & III year Int. B.Ed. M.Ed.(ID)] on 11.04.2023 at FDMSE premises.
- Campus interview for outgoing students was organized on 20.4.2023 & 21.4.2023. Principals/ teachers from five schools interviewed the students at FDMSE premises. Totally 13 students out of 29 outgoing students participated in the campus interview.

For the Academic year 2023-2024

- The Orientation Programme on Developing Professional Skills was organized for outgoing students on 6th March 2024. Twenty students participated in this programme.
- As a part of Placement Cell Activity, an orientation session on “Interview Skills” was handled by Dr. S. Parween for outgoing students on 13th March 2024.
- Campus interview was arranged for the outgoing students on 19.3.2024. Staff in-charges from three schools located in Coimbatore, interviewed the students. A Total of 12 students participated in the interview.

BEST PRACTICES

- Research Colloquium is organized every month to the faculty members, research scholars and PG students to enhance research knowledge.

**NAME OF THE FACULTY CENTRE:
FACULTY OF GENERAL & ADAPTED PHYSICAL
EDUCATION AND YOGA (GAPEY), COIMBATORE CAMPUS**

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Dr. R. Giridharan	Associate Professor & Head
2	Dr. A. Sathiya Moorthy	Assistant Professor Cum Sports Physiotherapist
3	Dr. Dibakar Debnath	Assistant Professor
4	Dr. D. Yuvaraj	Assistant Professor
5	Dr. M. Ramajayam	Assistant Professor
6	Dr. S. Sakthivel	Assistant Professor
7	Sri S. Rajavarman	Assistant Professor
8	Dr. N. Karthikeyan	Assistant Professor
9	Dr. S. Sathish Kumar	Assistant Professor
10	Dr. J. Viswanathan	Assistant Professor
11	Dr. Vijmendra Kumar Grover	Assistant Professor
12	Dr. K. Senthil Kumar	Sports Trainer
13	Sri G. Prabakaran	Sports Trainer
14	Sri A. Vishanth	Assistant Professor
15	Sri T. Balusamy	Assistant Professor

NEW PROGRAMMES / COURSES STARTED IN THE YEAR

Introduction of New Multi-disciplinary Courses:

1. Physiotherapy for Health and Well Being

Academic

1. Human Values and Professional Ethics
2. Basics of Data Analytics Applied in Physical Education

NEW EQUIPMENTS ACQUIRED IN THE YEAR

1. WEGATOUCH IFP 4K Ultra-Prime 75" (Android 11.0 /8GB RAM/128GB) With OPS Core i5, 16 GB, 1TB,256 GB SSD,DOS - with accessories
2. Movable Stand for 75" Interactive Flat Panel
3. Full HD Web Camera

DETAILS OF STUDENTS ADMISSION DURING THE YEAR (2023-24)

S. No.	Programme	No. of Students
1	Bachelor of Science in Physical Education Health Education and Sports (BSc PHS)	60
2	Bachelor of Physical Education (BPed)	50
3	Master of Physical Education (MPed)	14
4	Doctor of Philosophy in Physical Education (Ph.D.)	02
Total		126

STUDENTS PASSED OUT DETAILS OF THE YEAR (2022-23)

S. No.	Programme	No. of Students
1	Bachelor of Science in Physical Education Health Education and Sports (BSc PHS)	70
2	Bachelor of Physical Education (BPed)	42
3	Master of Physical Education (MPed)	15
Total		127

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR (2022-23)

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
1	Abishek.R	BSc PHS	RKMVERI - GAPEY	BPed
2	Karan.M	BSc PHS	RKMVERI - GAPEY	BPed
3	Nandhakumar.S	BSc PHS	RKMVERI - GAPEY	BPed
4	Rithick Roshan.G	BSc PHS	RKMVERI - GAPEY	BPed
5	Sabresh.R	BSc PHS	RKMVERI - GAPEY	BPed
6	Sunildhev.D	BSc PHS	RKMVERI - GAPEY	BPed
7	Thanveer Nishath.J	BSc PHS	RKMVERI - GAPEY	BPed
8	Gopinath.K	BSc PHS	Tamil Nadu Physical Education and Sports University	MSc in Biomechanics & Kinesiology
9	Harivignesh.S	BSc PHS	Tamil Nadu Physical Education and Sports University	MSc in Exercise Physiology and Nutrition
10	Kalaiselvan.S	BSc PHS	Tamil Nadu Physical	MSc in Sports

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
			Education and Sports University	Biomechanics and Kinesiology
11	Mithilesswar.L	BSc PHS	Tamil Nadu Physical Education and Sports University	MSc in Exercise Physiology and Nutrition
12	Niranjan.S	BSc PHS	Tamil Nadu Physical Education and Sports University	MSc in Biomechanics & Kinesiology
13	Pavithran.S	BSc PHS	Tamil Nadu Physical Education and Sports University	MSc in Biomechanics & Kinesiology
14	Sakthi Theyanesh.K	BSc PHS	Tamil Nadu Physical Education and Sports University	MSc in Biomechanics & Kinesiology
15	Sidharth.M	BSc PHS	Tamil Nadu Physical Education and Sports University	MSc in Biomechanics & Kinesiology
16	Deepan Sanjai.M	BSc PHS	Maruthi College of Physical Education	BPed
17	Kalaiselvan.N	BSc PHS	Maruthi College of Physical Education	BPed
18	Manikandan.J	BSc PHS	Maruthi College of Physical Education	BPed
19	Manikkapandi.N	BSc PHS	Maruthi College of Physical Education	BPed
20	Prasath.R	BSc PHS	Maruthi College of Physical Education	BPed
21	Srinivasan.S	BSc PHS	Maruthi College of Physical Education	BPed
22	Vaitheswaran.S	BSc PHS	Maruthi College of Physical Education	BPed
23	Kesavan.P	BSc PHS	Bharathidasan University	BPed

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
24	Mariselvam.M	BSc PHS	Bharathidasan University	BPed
25	Sivaraman.V	BSc PHS	Bharathidasan University	BPed
26	Urumaiah.P	BSc PHS	Bharathidasan University	BPed
27	Vivekananth.P.L	BSc PHS	Bharathidasan University	BPed
28	Dhanush.S	BSc PHS	SNS College of Technology	MBA
29	Kishore.C	BSc PHS	SNS College of Technology	MBA
30	Sabarish.S	BSc PHS	SNS College of Technology	MBA
31	Romin Joe.J	BSc PHS	SNS College of Arts & Science	MBA
32	Aravind.B	BSc PHS	St. Johns College of Physical Education	BPed
33	Santhanadurai.K	BSc PHS	St. Johns College of Physical Education	BPed
34	Dhanush.S	BSc PHS	Vinayaka Missions College of Physical Education	BPed
35	S.K.Sahil Hossen	BSc PHS	University of Kalyani	BPed
36	Subash Vidyakar.A	BSc PHS	GS College of Physical Education	BPed
37	Vengateshwaran.C	BSc PHS	Pasumpon Muthuramalinga Thevar College of Physical Education	BPed
38	Ashok.M	BPed	RKMVERI - GAPEY	MPed
39	Ganesh.B.K	BPed	RKMVERI - GAPEY	MPed
40	Manoj.T	BPed	RKMVERI - GAPEY	MPed
41	Mohan Kumar.P	BPed	RKMVERI - GAPEY	MPed

S. No.	Name	Programme Graduated From	Name of the Institution Joined	Name of the Programme Admitted To
42	Pasumpon.P	BPed	RKMVERI - GAPEY	MPed
43	Prakash.R	BPed	RKMVERI - GAPEY	MPed
44	Sanjai.K	BPed	RKMVERI - GAPEY	MPed
45	Vishal.A	BPed	RKMVERI - GAPEY	MPed
46	Dhivakar.B	BPed	Maruthi College of Physical Education	MPed
47	Dhivya Prakash.R.B	BPed	Maruthi College of Physical Education	MPed
48	Bharath.S.V	BPed	Madurai Kamaraj University	MPed
49	Kishore.S	BPed	Madurai Kamaraj University	MPed
50	Pandi.V	BPed	Madurai Kamaraj University	MPed
51	Veerapandi.M	BPed	Madurai Kamaraj University	MPed
52	Mahalakshmanan.D	BPed	St. John's College of Physical Education	MPed
53	Ganesh.K	MPed	RKMVERI - GAPEY	Ph.D
54	Kaviyarasan.R	MPed	Bharathiar University	Ph.D
55	Kesavamoorthi.S	MPed	Bharathiar University	Ph.D
56	Balakumaran.P	MPed	Bharathiar University	Ph.D
57	Gokula Krishnan.G	MPed	Bharathiar University	Ph.D
58	Maheswaran.C	MPed	Bharathiar University	Ph.D
59	Vignesh. S	MPed	Bharathiar University	Ph.D

DETAILS OF STUDENTS PLACED:

S. No.	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
1	Sounthararajan.S	BSc PHS	Mathakondapalli Model School (CBSE)	2023
2	Abilash.R	BSc PHS	SoBo SPORTS	2023
3	Aswin.K	BSc PHS	SoBo SPORTS	2023
4	Deepavignesh.R	BSc PHS	SoBo SPORTS	2023
5	Dhanush.A	BSc PHS	SoBo SPORTS	2023
6	Harish.S	BSc PHS	SoBo SPORTS	2023
7	Jawahar.M	BSc PHS	SoBo SPORTS	2023
8	Karthikeyan.V	BSc PHS	SoBo SPORTS	2023
9	Lithin Pranith.P	BSc PHS	SoBo SPORTS	2023
10	Muthukumar.M	BSc PHS	SoBo SPORTS	2023
11	Prakash.K	BSc PHS	SoBo SPORTS	2023
12	Ragulkannan.K	BSc PHS	SoBo SPORTS	2023
13	Sivasankar.R	BSc PHS	SoBo SPORTS	2023
14	Venkatesh.G	BSc PHS	SoBo SPORTS	2023
15	Akash.S	BSc PHS	Podar International School, Kanakapura (Off Campus)	2023
16	Rithik.R	BSc PHS	Chinmaya International School (Off Campus)	2023
17	Kalamamani.C.M	BPEd	India In Shape Private Limited	2023
18	Sathish.M	BPEd	India In Shape Private Limited	2023
19	Senthilkumar.R	BPEd	India In Shape Private Limited	2023
20	Srikanan.M	BPEd	India In Shape Private Limited	2023
21	Aravind.R	BPEd	Phase Sports	2023
22	Selvaraj.G	BPEd	Phase Sports	2023
23	Gowtham.M	BPEd	Phase Sports	2023

S. No.	Name	Programme Graduated From	Name of the Company/ Institution Joined	Year of Joining
24	Saravanakumar.E	BPEd	Phase Sports	2023
25	Gokul.J.K	BPEd	SoBo Sports	2023
26	Gowtham.S	BPEd	SoBo Sports	2023
27	Gurumoorthy.K	BPEd	SoBo Sports	2023
28	Jeevanantham.G	BPEd	SoBo Sports	2023
29	Sivakumar.M	BPEd	SoBo Sports	2023
30	Sukendiran.S	BPEd	SoBo Sports	2023
31	Dinesh Kumar.M	BPEd	SoBo Sports	2023
32	Dinesh.A	BPEd	SoBo Sports	2023
33	Pravin Kumar.P	BPEd	Shri Ganga Higher Secondary School (Off Campus)	2023
34	Byju Infant.B	BPEd	Podar International School (Off Campus)	2023
35	Iveen.P	BPEd	Chinmaya International School (Off Campus)	2023
36	Boopathi.V	MPEd	SoBo Sports	2023
37	Harish.K	MPEd	Mathakondapalli Model School (CBSE)	2023
38	Ashokkumar.A	MPEd	Phase Sports	2023
39	Mukesh.S	MPEd	Phase Sports	2023
40	Sakthi Vel.T	MPEd	VET Institute of Arts & Science (Off Campus)	2023

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of Current Ph. D. Scholars	Name of Supervisor
1	Clinton M	Yet to allot
2	Ganesh K	Yet to allot
3	Aravindh M	Dr. D. Yuvaraj
4	Maruthamuthu K	Dr. R. Giridharan
5	Prakash G	Dr. R. Giridharan
6	Sabarish C	Dr. S. Sakthivel
7	Franglin Sp	Dr. R. Giridharan

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of the papers presented in conferences, seminars, etc. with date and teaching staff

S. No.	Name	Date	Title of the paper presented
1	Dr. D. Yuvaraj	31 st Oct. to 03 rd Nov. 2023	22 nd Biennial Conference 2023 at Lakshmibai National College of Physical Education, Thiruvananthapuram
2	Dr. D. Yuvaraj	23 rd & 24 th February, 2024	National Conference on Revitalizing Indigenous Physical Activities for the Empowerment and Well-being of Young India
3	Dr. M. Ramajayam	24 th & 25 th August, 2023	International Multidisciplinary Conference on Emerging Trends, Challenges and Opportunities
4	Dr. S. Sakthivel	27 th May, 2023	Presented a Paper in the e- conference 'Perspective on Health and Social Sciences, Environmental Management, Sustainable Engineering Development and Technology'
5	Dr. S. Sathish Kumar	13 th April, 2023	Presented a paper in the "International Scientific and Practical Conference - Physical Culture in University Education: World Practice & Modern Trends"
6	Dr. J. Viswanathan	15 th & 16 th	Presented a paper in the National Conference on

S. No.	Name	Date	Title of the paper presented
		December, 2023.	“Cultivating Minds: Nurturing Hearts – Unlocking the Potential of Social Intelligence in Education”
7	Dr. Vijmendra Kumar Grover	04 th to 07 th July, 2023	Presented a paper titled “No Association of ACTN3 and ACE Genotypes with Strength Qualities in Indian Boxers”
8	Dr. Vijmendra Kumar Grover	31 st Oct. to 03 rd Nov. 2023	22 nd Biennial Conference 2023 at Lakshmibai National College of Physical Education, Thiruvananthapuram

Details of Publications in Journals and Books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	Dr. D. Yuvaraj	Flexibility and Shooting of Students with Intellectual Disabilities Post Adapted Football Training	Journal of Education and Society	ISSN 2278-6864
2	Dr. R. Giridharan	Effect of Sports Specific Training on Motor Abilities and Skill Performance Variables Among Sitting Volleyball Players	A Journal of Historical Research	ISSN: 0302-9382
3	Dr. M. Ramajayam	Influence of Adapted Physical Activities Training on Motor Fitness of Persons with Intellectual Disability	Journal of Fundamental & Comparative Research	ISSN: 2277-7067
4	Dr. M. Ramajayam	Efficacy of Specific Skill with Gadgets Training on Skill Performance Variables of Men Volleyball Players	A Journal of Historical Research	ISSN: 0302-9382
5	Dr. Dibakar Debnath	Status of Health Related Physical Fitness Elements Between Private and Government Adult School Boys in Coimbatore District	International Research Journal	ISSN: 2349-9249
6	Dr. Dibakar Debnath	Comparison of Anthropometric and Grip Strength Between	International Research Journal	ISSN: 2349-9249

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
		Wheelchairs and Non-Wheelchairs Basketball Players		
7	Dr. D. Yuvaraj	Effect of Specific Drills with Small Game on Shooting and Passing of Novice Football Players	Journal of Fundamental & Comparative Research	ISSN: 2277-7067
8	Dr. S. Sathish Kumar	Comparative Study on Selected Anthropometric and Bio Motor Variables of Volleyball and Basketball Players	Journal of Education and Society	ISSN: 2278-6864
9	Dr. S. Sakthivel	Analysis of Anthropometric and Playing Ability of Indian Senior Men Wheelchair Basketball Players with Reference to their Sport Class	International Journal of Science & Research	ISSN: 2319-7064
10	Dr. N. Karthikeyan	Influence of Core Stabilization Training on Selected Health Related Fitness among Student with Hearing Impairment	International Journal for Multidisciplinary Research	ISSN: 2582-2160
11	Dr. J. Viswanathan	Effect of Specific Free Throw Skill Training on Selected Biomechanical Characteristics of School Basketball Players	Journal of Education & Society	ISSN: 2278-6864
12	Dr. S. Sakthivel	Analysis of Strength & Body Composition Variables among Hard of Hearing and Hearing Men Players in Tamil Nadu	British Journal of Arts & Humanities	
13	Dr. J. Viswanathan	Effect of Specific Free Throw Skill Training on Selected Biomechanical Characteristics of School Basketball Players	Journal of Education & Society	ISSN 2278-6864

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
14	Dr. S. Sakthivel and Dr. N. Karthikeyan	Analysis of Hand Grip Strength among Hard of Hearing and Hearing Men Kabaddi Players in Tamil Nadu	International Journal of Rural Development, Environment and Health Research	ISSN: 2456-8678
15	Dr. R. Giridharan, Dr. A. Sathiya Moorthy, Dr. S. Sakthivel, Dr. N. Karthikeyan & Sri S. Rajavarman	Analysis of Health and Sports Performance–Associated factors of Kabaddi Players with Hearing Impairment: A Comparison with Hearing Impairment	Scopus Indexed Journal for ReAttach Therapy and Developmental Diversities	eISSN: 2589-7799
16	Dr. M. Ramajayam	Comparison of Agility on Five-a-Side Football Players with Intellectual Challenged Children in Tamil Nadu	International Journal of Emerging Knowledge Studies	ISSN: 2583-7354

S. No	Author	Title of Book / Chapter	Name of the Publication	ISBN
1	Dr. M. Ramajayam	Research and Statistics in Physical Education	Iris Publications	93-80543-50-6
2	Sri G. Prabakaran & Dr.K. Senthil Kumar	Kinesiology and Biomechanics	Royal Book Publishing	9788119821709
3	Dr. Dibakar Debnath	Interdisciplinary Studies of Literature – Physical Education A Moment Science	Kusumita Publication	978-93-5917-392-4

DETAILS OF SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES / SYMPOSIUMS HOSTED / ORGANISED DURING THE YEAR

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
1	28 th & 29 th February, 2024	Two Day National Conference on “Breaking Boundaries in Sports Sciences: Advancing Research Applications for Performance Optimization”
2	26 th to 28 th October, 2023	A 3 Day Workshop on “Indigenous Sports, Rhythmic Activities and Spectrum of Teaching Styles in Inclusive Physical Education”
3	31 st October, 2023	“One Day Workshop on Capacity Building for Special Teachers & Parents in Adapted Sports” & “Special Olympics Young Athlete Training Programme”
4	27 th November to 3 rd December, 2023	Seven Day National Workshop on “Research Methodology & Advanced Statistics in Sports and Physical Education”
5	21 st April, 2023	Challenges Faced by the Coaches in Handling Women Athletes in Inclusive Setting
6	06 th July, 2023	Orientation Programme for Coaching in Competitive Examinations
7	25 th October, 2023	Fitness Management, Strength & Conditioning
8	07 th November, 2023	Vigilance Awareness – Say No to Corruption, Commit to the Nation
9	18 th December, 2023	Nutrition & Diet Management in Sports
10	31 st January, 2024	Sports Management Career Paths
11	05 th February, 2024	Sports Psychology and Mental Conditioning for High Performance in Sports
12	12 th Sept, 2023	Orientation Programme for Soft Skill Training
13	16 th March, 2024	Gender Equity and School Sports Participation of Female

S. No.	Date	Details of Lectures / workshops / seminars / conferences / symposiums HOSTED / ORGANISED
		Children

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

S. No.	Investigator (staff)	Name of the project & other details	Funding Agency
1	Dr. R. Giridharan	Design and Development of Adapted Boccia Game and Gadgets and a study of their Effect on Auditory Depth Perception and Auditory Reaction Time among persons with Visual Impairment	DST - SEED TIDE

ANY OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

PROGRAMMES AND COMPETITIONS ORGANIZED

International Day of Yoga

- RKMVERI - Faculty of GAPEY & SRMV – MCPE jointly organized 9th International Day of Yoga on 21st June, 2023 at GAPEY, Vivekananda Inclusive Sports Ground. Around 830 students of Ramakrishna Mission Vidyalaya Institutions participated and performed the AYUSH Yoga Protocol.

Swami Garishthanandaji Maharaj, Secretary, Ramakrishna Mission Vidyalaya & Administrative Head, RKMVERI, Coimbatore Campus presided the programme, Monks, Heads of Vidyalaya Institutions attended the function. Dr. R. Giridharan, Head of the Department, RKMVERI-GAPEY, welcomed the gathering and oriented about the significance of International Day of Yoga 2023. Dr. T. Jayabal, Principal, SRMV, Maruthi College of Physical Education, proposed the Vote of Thanks.

Deeksharambh – 2023:

- A total of 114 students along with their parents attended the Deeksharambh – 2023 programme conducted at GAPEY, Multipurpose Hall. The students took the blessings from their parents with flowers, sandanam, thiruneer and kunkum. Swami Suryatmanandaji Maharaj, Swami Virahanandaji Maharaj, Dr. R. Giridharan, Staff Members participated in the event.

Student Induction Programme – 2023:

- Student Induction Programme for the fresher's was conducted from 11th to 13th July, 2023. A total of 114 students participated in the scheduled events.

Unnat Bharat Abhiyan

- **Unnat Bharat Abhiyan:** Dr. A. Sathiya Moorthy, Dr. S. Sakthivel, Dr. N. Karthikeyan and 50 students were involved in mapping, and collection of data at Neelampathi and Panappalayam Village on 22nd July, 2023. A total of 162 houses were surveyed and documented.

Swami Vivekananda's Chicago Address Oratorical Competition

- In celebration of 130th Anniversary of Swami Vivekananda's Chicago Address, an oratorical competition in English and Tamil categories was conducted on 23rd August, 2023. A total of 31 students participated in both the categories. Swami Virahanandaji Maharaj, RKMVERI-GAPEY distributed the mementoes to the prize winners.

S. No	Category	Position	Prize Winners	Programme
1	Oratorical competition in English	I	Sri Yuvaraj. N	BSc PHS II Year
		II	Sri Kuldeep Singh. K	BSc PHS I Year
		III	Sri Shajin. K	BPED II Year
2	Oratorical competition in Tamil	I	Sri Manikkaraja. V	BSc PHS II Year
		II	Sri Manojkumar. R	BPED II Year
		III	Sri Kesavan. M	BSc PHS I Year

National Sports Day

- In Commemoration of National Sports Day, Intramural Competition in Hockey and Essay Writing & Oratorical Competition on the topic ***“Road Map to Olympics 2028 – India at Los Angeles”*** was conducted on 26th & 28th August, 2023. Swami Brahmanyandaji Maharaj, Ramakrishna Mission Vidyalaya graced the occasion and inaugurated the events.

In the Valedictory Function on 28th August, Swami Virahanandaji Maharaj graced the occasion, witnessed the final events and distributed the trophies and mementos to the winners of the “Disability Sports Meet” for Persons with Disabilities from Vidyalaya Printing Press, maintenance section & National Sports Day events.

Training & Coaching for Competitive Examinations

- Student Literary Association and Career Guidance & Counselling Cell organized an orientation programme on **“Training & Coaching for Competitive Examinations – Tamil Nadu Uniform Services Recruitment Board (TNUSRB)”** for the final year students on 1st September, 2023 at Multipurpose Hall. Mr. M. Subramani, Assistant Director and Mr. R. Chandra Basker, Junior Employment Officer from Govt. Employment Office, Coimbatore were the Resource Person. A total of 106 students participated in the programme.

- **Cell Activities:**

S. No	Date	Name of the Activity & Resource Person	Organized by	Beneficiaries
1	9 th & 10 th Sept, 2023	Week 1: SEPT. 2023: Competitive Examination Coaching and Training Tamil Nadu Uniform Services Recruitment Board (TNUSRB)	Student Literary Association and Career Guidance & Counseling Cell	65 Students (Out Going Batches)
2	16 th & 17 th Sept, 2023	Week 2: SEPT. 2023: Competitive Examination Coaching and Training Tamil Nadu Uniform Services Recruitment Board (TNUSRB)	Student Literary Association and Career Guidance & Counseling Cell	53 Students (Out Going Batches)

- Physical Fitness Efficiency Mock Test was conducted for the students of GAPEY who has passed in the TNUSRB 2024 on 02nd February, 2024. Six students attended the

test and the guidance & counseling for the elite participation was provided by Sri Karunakaran, Assistant Director, District Employment Office, Coimbatore.

Teachers Day

- **Teachers Day Celebration** was conducted on 05th September, 2023 at GAPEY Multipurpose Hall. A Day Long programme was organized as mentioned below:

S. No	Name of the Activity	Participants/ Beneficiaries
1	Online Guest Lecture: Topic: <i>“Role of Teachers in the Society for the Holistic Development of Youth”</i> Dr. K. Chandrasekaran Former Professor & Head, Dept. of Physical Education, Madurai Kamaraj University.	8 staff 288 Students
2	Debate Topic: <i>Impact of Traditional Teaching and Hybrid Teaching - (Gurukul Vs Virtual)</i>	8 Staff, 288 Students Three students from each programme
3	Inspirational & Educational Video on the Topic: <i>“Team Building, Participation and Winning”</i>	8 Staff, 288 Students
4	Book Reading: <i>“Vivekananda’s Heroic Slogan in Tamil Nadu”</i> Topic: Speech at Rameshwaram – Worship of Truth	8 Staff, 288 Students
5	Essay Writing Competition: Topic: “My Favorite Teacher”	38 Students – English & Tamil
5	Felicitation of Staff Members	Student Literary Association on behalf of GAPEY Students.
6	Friendly Cricket Match between Staff and PG Students	
7	Valedictory Function: Teachers Day Special Address – Swami Buddhidanandaji Maharaj, RKMVERI – COE,	

Coimbatore Campus

Distribution of Prizes to the winners

Drawing Competition

- As per the direction of University Grants Commission to celebrate the significant achievement of “Chandrayaan – 3”, a drawing competition was organized in the topic “**Lunar Journey of New India**”. Twenty-two students participated in the event and the winners were awarded with mementoes on 14th September, 2023.

Leadership Training Camp

- RKMVERI-GAPEY **Leadership Training Camp 2023** for BSc PHS II Year and BPED I Year was conducted from 23rd to 27th September, 2023. Palamalai Hills Trekking, Community Participation, Camping & Tenting, Map Reading, Stunts & Games, Mock Sports, Progressive Party Games, Kit Arrangements, Collection of Article, Treasure Hunt, Camp Craft and Environmental Awareness were the events conducted. Swami Buddhidanandaji Maharaj, Dty. Controller of Examinations, RKMVERI, Coimbatore Campus, delivered a lecture on “Qualities of a Leader”. In the Valedictory Function, Swami Virahanandaji Maharaj distributed the prizes and mementoes to the campers.

Vidyalaya Foundation Day and Alumni Meet

- Vidyalaya Foundation Day and Alumni Meet was organized on 3rd February, 2023 at GAPEY Multipurpose Hall. Swami Harinathanandaji Maharaj, Ramakrishna Mission Vidyalaya, Coimbatore delivered the Foundation Day Address. Dr. S. Kalidasan, Director of Physical Education, Dr. Zakir Husain College, Ilayangudi, Sivagangai was the Alumni who delivered the Special Address and was honored with Distinguished Alumnus Award and memento.

State Level Inter BSc Physical Education Tournaments in “Basketball, Handball and Volleyball

- **Swami Vivekananda Trophy** - State Level Inter BSc Physical Education Tournaments in “Basketball, Handball and Volleyball” was conducted on 15th & 16th February, 2024 at Vivekananda Inclusive Sports Complex. A total of 23 teams from 14 Institutions participated. In the Valedictory Function, Swami Virahanandaji Maharaj, Distributed the Trophies, Certificates and Cash Award to the winners.

Position	Handball	Volleyball	Basketball
Winner	RKMVERI-GAPEY, Coimbatore	ANJA College of Physical Education	RKMVERI-GAPEY, Coimbatore
Runners-up	ANJA College of Physical Education	RKMVERI-GAPEY, Coimbatore	ANJA College of Physical Education
3 rd	Koviloor Andavar College of Physical Education	Selvam College of Physical Education	Gobi Arts & Science College, Erode
4 th	Selvam College of Physical Education	Vinayaka Mission College of Physical Education	SRKV- College of Arts & Science Coimbatore

Project Track & Field Meet and Inclusive Meet:

- ***Fourth Project Track & Field and Inclusive Sports Meet*** was organized by Bheema House on 13th April, 2023. Swami Trilokatmanandaji Maharaj, Ramakrishna Mission Vidyalaya was the Chief Guest for the Inaugural function, who declared the meet open and flagged of the events. In the Valedictory Function, Swami Virahanandaji Maharaj, Secretary, SRMV, Maruthi College of Physical Education was the Chief Guest who distributed the Certificates & Medals to the winners.
- ***First Project Track and Field and Inclusive Sports Meet*** was organized on 7th September, 2023 at Vivekananda Inclusive Sports Complex. Swami Nirmaleshanandaji Maharaj, Assistant Administrative Head, RKMVERI, FDMSE graced the occasion and inaugurated the events. Swami Suryatmanandaji Maharaj, Warden, Swami Akhandananda Hostel distributed the prizes to the winners.
- ***Inclusive Sports Meet*** was conducted for 65 Children with Special Needs and honored with medals and mementos.
- ***Second Project Track & Field Meet*** was organized by BPED I Year students on 31st October, 2023. Swami Trilokatmanandaji Maharaj, Ramakrishna Mission Vidyalaya, flagged of the events by lighting the Olympic Torch. In the Valedictory Function, Swami Virahanandaji Maharaj, RKMVERI-GAPEY distributed the medals and prizes to the winners.
- ***Inclusive Sports & Athletic Meet*** for Children with Special Needs was organized on 31st October, 2023. A total of 216 participants (148 Special Children, 15 Special Education Teachers and 53 Parents) from 6 Special Schools in & around Coimbatore, participated in the programme. In the Valedictory Function, Swami Virahanandaji Maharaj, RKMVERI-GAPEY distributed the medals to the participants.

PROGRAMMES FOR PERSON WITH DISABILITIES (PwD)

9th International Day of Yoga for “Children with Special Needs

- RKMVERI - Faculty of GAPEY organized 9th International Day of Yoga for “Children with Special Needs” on 21st June, 2023 at Multipurpose Indoor Hall. Around 173 Children with Special Needs from various special schools in Coimbatore participated and performed the AYUSH Yoga Protocol.

Swami Garishthanandaji Maharaj, Secretary, Ramakrishna Mission Vidyalaya & Administrative Head, RKMVERI, Coimbatore Campus presided the programme. Swami Nirmaleshanandaji Maharaj, Assistant Administrative head, FDMSE, Swami Tadbhasanandaji Maharaj, Correspondent, SRKV Polytechnic College, Swami Virahanandaji Maharaj, Secretary, SRMV, Maruthi College of Physical Education, Dr. N. Muthaiah, Dean, School of Rehabilitation and Sports Science, Mrs. Sharmila Ramanandh, President, Coimbatore Para Sports Association attended the programme.

State Level Wheelchair Cricket League – 2023 Tournament

- RKMVERI – Faculty of GAPEY and Wheelchair Cricket Association, Coimbatore jointly organized “**State Level Wheelchair Cricket League – 2023 Tournament**” at Vivekananda Inclusive Sports Ground on 24th & 25th June, 2023. A total of 5 Districts participated in the league.

Adapted Boccia Game for Students with Visual Impairment

- Faculty organized an orientation programme on “**Adapted Boccia Game for Students with Visual Impairment**” on 21st July, 2023 at GAPEY ground. A total of 25 students with Visual Impairment from four districts attended the programme.

State Level Tournaments in Adapted sports

- “RKMV Trophy – State Level Tournaments in Adapted sports” was organized on 14th & 15th August, 2022 in eight categories namely
 - Para Sitting Volleyball
 - Para Sitting Cricket
 - Cricket for Visually Impaired
 - Kabaddi for Hearing Impaired

- Volleyball for Visually Impaired
- Football for Intellectually Challenged
- Wheelchair Badminton
- Wheelchair Table Tennis

Swami Atmaghananandaji Maharaj, Ramakrishna Math, Puducherry, Swami Apavarganandaji Maharaj, Editor, Sri Ramakrishna Vijayam, Ramakrishna Math, Chennai, Sri A. Arivarasu, Chairman, Gudalur Municipality, Coimbatore, Sri CA K. Ravi, CFO, Roots Group of Industries, Coimbatore were the dignitaries who graced the Inaugural function and flagged of the events. A total of 61 teams consisting of 529 Persons with Disabilities participated from 25 districts of Tamil Nadu.

Monks, Heads of Vidyalaya Institutions inaugurated all the matches conducted on these both days and motivated the players.

In the Valedictory Function Swami Bhaktikamanandaji Maharaj, Adhyaksha, Ramakrishna Math, Coimbatore, Rtn. K. Palaniappan, Former President, Rtn. CA M. Bhaskar, and Rtn CJ Narayanan, President, Rotary Club of Coimbatore Metropolis were the dignitaries who distributed the Trophies, Certificates, Medals and Cash Prizes to the Winners.

RKMV Trophy – State Level Tournament in Adapted Sports for Women:

- **Volleyball for Visually Impaired (Women)** was conducted on 05th October, 2023. A total 45 players from 5 districts namely Erode, Kalakuruchi, Vilupuram, Thanjavur and Chengalpattu participated. Swami Garishthanandaji Maharaj, Secretary, Ramakrishna Mission Vidyalaya, and Administrative Head, RKMVERI, Faculty of GAPEY, and Swami Tadbhasanandaji Maharaj, Correspondent, Ramakrishna Mission Vidyalaya, Polytechnic College witnessed the inaugural matches and encouraged the players. In the Valedictory Function Swami Virahanandaji Maharaj, Secretary, SRMV, Maruthi College of Physical Education & Rtn. Ms. Ankita Dinesh, Assistant Governor, Rotary Club of Coimbatore Satellite were the dignitaries who distributed the Trophies, Certificates, Medals and Cash Prizes to the Winners.
- **Wheelchair Badminton & Table Tennis (Women)** was conducted on 08th October, 2023. A total of 38 players from 8 districts for Wheelchair Badminton and 6 districts for Wheelchair Table Tennis participated.

In the Valedictory Function Swami Buddhidanandaji Maharaj, Dty. Controller of Examinations, RKMVERI, Coimbatore Campus & Ms. R. Sharmila, President, Para-sports Association of Coimbatore were the dignitaries who distributed the Trophies, Certificates, Medals and Cash Prizes to the Winners.

Position	Volleyball for Visually Impaired	Prize Money	Wheelchair Badminton	Wheelchair Table Tennis	Prize Money
Gold Medal	Erode	10000	Vellore	Coimbatore North	5000
Silver Medal	Vilupuram	8000	Pollachi	Coimbatore South	4000
Bronze Medal	Kalakuruchi	6000	Coimbatore	Erode	3000
4 th Place	Thanjavur	4000	Madurai	Madurai	2000

Orientation and Training in Adapted Boccia Game for Visually impaired

- Dr. R. Giridharan Associate Professor, handled a session on “**Orientation and Training in Adapted Boccia Game for Visually impaired**” at GAPEY Multi-purpose Hall on 5th October, 2023. Fifty-Three athletes with Visual Impairment participated.

State Level Yogasana Competition for Persons with Disabilities

- Our Faculty organized “**State Level Yogasana Competition for Persons with Disabilities**” on 09th February, 2024 at GAPEY Multipurpose Hall.

Participants with Intellectual Disability, Hearing Impairment, Visual Impairment and Physical Impairment attended the events (Yogasana & Suryanamaskar categories). In each category there were three age divisions for Boy and Girls. A total of 284 participants (185 Boys & 99 Girls) in all categories participated.

Swami Garishthanandaji Maharaj, Secretary, Ramakrishna Mission Vidyalaya and Administrative Head RKMVERI, graced the occasion and Swami Virahanandaji Maharaj, distributed the Certificates and Medals to the winners in the Valedictory Function.

UNIFIED PLAY DAY & SPORTS COMPETITION – 2024

- A total of 940 Students (610 ID Children & 330 Normal Children) participated in the programme. Swami Garishthanandaji Maharaj, Secretary, Ramakrishna Mission Vidyalaya & Administrative Head, RKMVERI, Coimbatore Campus presided over the function. Dr. L. Murugan, Union Minister of State, Ministry of Fisheries, Animal Husbandry and Dairying and Ministry of Information and Broadcasting was the Chief Guest. Rtn. CA M Bhaskar, District Chair, Corporate Social Responsibility (CSR) Committee, Coimbatore was the Guest of Honor. Monks, Heads of Vidyalaya

Institutions, Special Invitees, Parents, Special Educators, Physiotherapist, witnessed the programme.

Demonstration of Unified Physical Activities:

Yoga, Free Hand Exercises, Social Group Behavior, Handkerchief Exercises, Hoops, Flag Drills & Kolam.

Therapy Stall & Sports Competition Inauguration:

- Physiotherapy Stall, Play Therapy Stall, Multi-Sensory Assessment & Rehab Stalls
 - Five-a-side Football for ID Children (Boys)
 - Bocce for ID Children (Girls)
 - Volleyball for Hearing Impaired (Boys & Girls)
 - Kabaddi for Hearing Impaired (Boys)
- Sri K. Jagadeesan, District Differently Abled Welfare Officer, Coimbatore District, distributed the Trophies and Certificates to the winners of the above mentioned events.

NEW INITIATIVES

Fit Vidyalaya Programme

- Adopting the idea of Fit India Movement initiated by the Government of India, our faculty as implemented the Fit Vidyalaya Programme to the Swami Shivananda Hr. Sec. School children of Grades 6 & 7 from 13th July 2023 to February 2023 on all working Thursdays. A total of 251 students were benefited by this programme.

Yoga Coaching for Children with Special Needs:

- Forty Children with Special Needs from Faculty of Disability Management and Special Education are undergoing Yoga Training every week – ***Wednesday, Thursday & Friday.***

S.No	Name of the Programme	Beneficiaries	Student Trainees	Dates
1	Yoga	40 Students of FDMSE	2 MPED & 2 BPED	12 th July, 2023 to

	Coaching	Therapy Unit	Student Trainees	14 th March 2024
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Shramdaan & Value Based Games:

- Shramdaan & Value Based Games was conducted for the students of “**Youth Camp - 2023**” organized by Ramakrishna Mission Vidyalaya on 06th & 07th May, 2023. Four Staff and 22 students conducted the games.

S. No	Event	Nomenclature	Organized By	Beneficiary	Date
1	Two Days Youth Camp	Shramdaan & Value Based Games	Ramakrishna Mission Vidyalaya	Swami Akhandananda Hostel	29 th & 30 th July, 2023
2				Swami Shivananda Hostel	05 th & 06 th August, 2023
3				Swami Yogananda Hostel	19 th & 20 th August, 2023

Value Added Programme (Multidisciplinary Courses)

- To encourage the Inter-disciplinary participation of the students to gain knowledge on various disciplines our institution has initiated value added programmes in association with various Vidyalaya institutions. A 48 hours programme has been designed and implemented to our students as mentioned below, and also our department offers the same parallel courses to the Vidyalaya institutions.

Courses offered by RKMVERI - GAPEY			
S.No	Course	Offering Institute	Number of Students Enrolled
1	Exercise & Fitness Management	SRKV – Polytechnic College	199
2		SRMV – CAS (SF)	248
3	Physiotherapy for Health and Well-being	SRMV – Maruthi College of Physical Education	49
Students of RKMVERI – GAPEY at Various Courses			
S.No	Course	Offering Institute	Number of Students Enrolled
1	Introduction to MS Word	SRKV Polytechnic College	95
2	Basic Two Wheeler Mechanism	SRKV ITI	81
3	Basic Electrical Wiring	SRKV ITI	
4	Rural Biotechnology	RKMVERI – ARTD	102
5	Food Processing & Post Harvest Management	RKMVERI - ARTD	

ANY OTHER MISCELLANEOUS INFORMATION

GREEN INITIATIVE

A) GAPEY Green Drive (GGD)

S. No	Date	Place of Tree Saplings	No of Tree Saplings
1	26 th February, 2024	Eastern side of Vivekananda Inclusive Sports Complex	20

B) SWACHH BHARAT / VIDYALAYA PROGRAMME:

- Our staff and students involved in the Swachh Bharat programme during the following days

Date	Place of Cleaning
5 th & 10 th April, 2023	BSc PHS & BPED students cleaned the Northern Side bushes of Vivekananda Inclusive Sports Complex
07 th July, 2023	BSc PHS II Year students cleaned the pathway from GAPEY to the Hostel (Backside of SRKV CAS Unaided Wing)
16 th December, 2023	Students of all the programme participated in cleaning the bushes of Northern, Eastern & Southern sides of the Vivekananda Inclusive Sports Complex
02 nd January, 2024	Students of BSc I, II and BPED I & II Year participated in cleaning the bushes of Eastern & Southern sides of the Vivekananda Inclusive Sports Complex

STUDENTS PARTICIPATION

Our university participated in the following Inter University Competition

S.No	Date	Team	Organizing University
1	Dec. 29 th December 2023 to 01 st January 2024	Athletics	Tamil Nadu Physical Education and Sports University
2	19 th to 24 th December 2023	Badminton	Vellore Institute of Technology
3	13 th to 18 th November 2023	Basketball	University of Kerala
4	25 th to 27 th December 2023	Boxing	Chandigarh University
5	25 th to 30 th December 2023	Football	SRM Institute of Science & Technology
6	19 th to 21 st March, 2024	Gymnastics	Guru Nanak Dev University
7	24 th to 30 th December 2023	Hockey	Bharathidasan University
8	09 th to 12 th November 2023	Kabaddi	Jawaharlal Nehru Technological University
9	26 th to 30 th December 2023	Kho-Kho	University of Calicut
10	02 nd to 05 th November 2023	Taekwondo	Shri Jagdishprasad Jhabarmal Tibrewala University

S.No	Date	Team	Organizing University
11	22 nd to 25 th December 2023	Volleyball	Visvesvaraya Technological University
12	01 st to 04 th December 2023	Yoga	Anna University

ACHIEVEMENTS IN SPORTS

- Our students had participated and won in the following sports & games competition.

Date	Name/Team	Tournament	Positions
12 th April, 2023	Kabaddi	6 th State Level Junior Kabaddi Tournament	5 th Place with Trophy, Certificates & Cash Award of Rs. 10,000/-
25 th March to 3 rd April, 2023	N. Sridharan	44 th Senior National Throwball Championship	Represented
23 rd July, 2023	Kabaddi	State Level Kabaddi Tournament	Runner-Up position with Trophy and Cash Award of Rs. 13000/-
30 th July, 2023	Bhoopalan	17 th Interstate Yoga Competition 2023	1 st Place
	Karthi		2 nd Place
	Muthumarudhu Pandiyan		2 nd Place
12 th August, 2023	Kabaddi	State Level Kabaddi Tournament	4 th position with Trophy and cash prize of Rs.6000/-.
21 st August, 2023	Kabaddi	State Level Kabaddi Tournament	4 th position with Trophy and cash prize of Rs.8000/-.
3 rd September, 2023	Kabaddi	State Level Kabaddi Tournament	1 st position with Trophy & Cash Prize Rs.10000/-
4 th September, 2023	Volleyball	State Level Volleyball Tournament	4 th position with Trophy & Cash Prize Rs.5500/-
8 th & 9 th Sept, 2023	Volleyball	State Level Volleyball Tournament	5 th position with Trophy & Cash Prize Rs.2000/-
13 th to 15 th September, 2023	Hockey	TNPESU Trophy – State Level Intercollegiate	3 rd Place

Date	Name/Team	Tournament	Positions
		Tournaments	
01 st October, 2023	Kabaddi	State Level Kabaddi Tournament	3 rd Place, Trophy, Certificate & Rs. 7000 Cash Award
28 th to 1 st Oct, 2023	N. Sridharan	21 st Senior State Throwball Championship for Men	Winner
14 th & 15 th Oct, 2023	Kabaddi	State Level Kabaddi Tournament	2 nd Place, Trophy & Rs. 25000 Cash Award
	Kabaddi	State Level Kabaddi Tournament	3 rd Place, Trophy & Rs. 5000 Cash Award
28 th & 29 th Oct, 2023	Kabaddi	“State Level Kabaddi Tournament” at Udumalpet	2 nd Place, Trophy, Certificate & Rs. 10000 Cash Award
28 th & 29 th Oct, 2023	Gymnastics	“ State Level Gymnastics Competition” at Chennai	3 Gold Medals 1 Silver Medal 3 Bronze Medals
5 th Nov. 2023	Volleyball	“Coimbatore District Level Volleyball Tournament” at Coimbatore	Winner, Trophy, Certificate
1 st Nov. 2023	Volleyball	“ State Level Volleyball Tournament” at Morappur	2 nd Place, Trophy & Cash Award Rs. 5000/-
25 th & 26 th Nov. 2023	Thulasidevan M	State Level Boxing Championship	Gold Medal
	Jishendhan R		Gold Medal
	Marieswaran M		Gold Medal
	Aravind Kumar A		Gold Medal
15 th & 16 th Dec, 2023	Kabaddi	South India Level Invitational Kabaddi Tournament	Runner-Up with Trophy & Cash Prize Rs.7000/-
17 th Dec, 2023	Kabaddi	State Level Kabaddi Tournament	Runner-Up with Trophy & Cash Prize Rs.10000/-

Date	Name/Team	Tournament	Positions
30 th & 31 st Dec, 2023	Handball	3 rd District Level Handball Tournament	Runner-Up with Trophy
31 st January, 2023	S. Ganesan	Mini Marathon (10 Km)	Third Place
10 th & 11 th February, 2024	K. Ganesh	Tamil Nadu State Men's team in National Cestoball Championship	Represented
2 nd & 3 rd March, 2024	Volleyball	State Level Volleyball Tournament	5 th Place
2 nd & 3 rd March, 2024	Kabaddi	State Level Kabaddi Tournament	3 rd Place, Trophy & Cash Award Rs. 7000/-
4 th & 5 th March, 2024	Kabaddi	State Level Kabaddi Tournament	4 th , Trophy & Cash Award Rs. 5000/-
07 th March, 2024	Handball Team	Dr. Zakir Husain College – Alumni Handball Tournament	Second Place
12 th to 14 th March, 2024	Athletics	South India Level Inter-Physical Education Tournament	10000 M – Silver Medal Race Walk – Silver and Bronze Medal
	Football		4 th Position & Trophy
15 th to 17 th March, 2024	Kabaddi	State Level Kabaddi Tournament	Runner Up with Trophy and Cash Award of Rs. 20000/-

Inter-Vidyalaya Institutional Tournaments 2023:

- *College Level Tournaments:*

S. No	Game	Position
Organization by GAPEY		
1	Kabaddi	GAPEY – Winners
2	Football	GAPEY – Runner-Up

Participation by GAPEY		
1	Silambam	GAPEY – Winners
2	Volleyball	GAPEY – Runner-Up
3	Ball Badminton	
4	Hockey	
5	Handball	
6	Badminton	

- **Staff Tournaments:**

S. No	Game	Position
1	Volleyball	GAPEY – Runner-Up

AWARDS:

- Sri C. Varun Prasath of BSc PHS III Year, received the ***“Best Student Award – GAPEY 2023 – 24”*** at the GURU PUJA 2024 Celebrations on 07th January, 2024.
- Dr. J. Viswanathan, Assistant Professor received the ***Best Paper Award*** in the in the National Conference on “Cultivating Minds: Nurturing Hearts – Unlocking the Potential of Social Intelligence in Education” organized by IQAC of Indira Gandhi College of Education, Kancheepuram on 15th & 16th December, 2023. Presented a paper titled ***“Identification of Contributing Factors Towards Basketball Playing Ability by Software Based Performance Analysis System – An Overview”***

MEETINGS

Name of the Meeting	Date
Alumni Meet	15 th April, 2023
Board of Studies Meeting	08 th June, 2023
Finance Committee Meeting	14 th June, 2023
Parents Meeting	10 th July, 2023

Name of the Meeting	Date
Election for the selection of Office Bearers	25 th July, 2023
Implementation Committee Meeting	07 th August, 2023
Common prayer meeting	25 th August, 2023
Internal Quality Assurance Cell (IQAC)	15 th September, 2023
ISR & Website update and review meeting	21 st & 22 nd September, 2023
Mentor Mentee Meeting	30 th October, 2023
Academic Council Meeting	30 th October, 2023
Common Prayer Meeting	07 th November, 2023
Hostel Grievances Meeting	20 th September, 2023
Implementation Committee Meeting	01 st March, 2024
Mentor mentee meeting	05 th March, 2024
Internal Quality Assurance Cell (IQAC)	06 th March, 2024
Institutional Ethics Committee Meeting	07 th March, 2024
Library Committee Meeting	11 th March, 2024
Admission Committee Meeting	12 th March, 2024

FUNCTIONS

Name of the Function	Date
Annual Day Celebration	31 st March, 2023
Independence Day	15 th August, 2023
Vinayakar Chaturdi Vizha	16 th September, 2023
Saraswathi Pooja	21 st October, 2023
Republic Day	26 th January, 2023

EXAMINATIONS

Examination	Date
Pre PhD Viva Voce	12 th April, 2023

Examination	Date
Internal & External Practical Examination	17 th to 19 th April, 2023
Pre-Semester examination	25 th to 28 th April, 2023
Pre PhD Viva Voce	29 th April, 2023
Semester Examination	02 nd to 05 th May, 2023
Pre PhD Viva Voce	07 th June, 2023
Final course work examination	17 th July, 2023
Colloquium for the MPed II Year Students	21 st July, 2023
Entrance examination and interview	29 th July, 2023
Pre PhD Viva Voce	05 th August, 2023
Continuous Internal Assessment I (CIA I)	17 th & 18 th August, 2023
Continuous Internal Assessment II (CIA II)	29 th & 30 th September, 2023
External & Internal practical examinations	08 th & 09 th November, 2023
Pre-Semester Examinations	14 th to 17 th November, 2023
MPed Project Viva-Voce	18 th November, 2023
Semester Examination	20 th to 23 rd November, 2023
Continuous Internal Assessment I (CIA I)	09 th & 10 th January, 2024
Semester Examinations (Ph.D.)	14 th to 17 th February, 2024
Continuous Internal Assessment II (CIA II)	07 th & 08 th March, 2024

SPORTS COACHING / INTERNSHIP

- Practice Teaching for BSc PHS III Year, BPED I & II Year was conducted from 03rd to 21st October, 2023. The staff members visited the schools for inspection from 16th to 19th October, 2023.
- Orientation of the activities under the **Unified Play Day & Practice Teaching** Schedules was conducted for the BSc PHS III, BPED I & BPED II Year students on 3rd February, 2024. The students visited the schools allotted for them for the pilot survey of the inclusive setup & the practice teaching was conducted from 05th to 22nd February, 2024.
- **Special Coaching / Internship training at Special Schools** in and around Coimbatore District for PG students was conducted from 06th to 22nd February, 2024.

- Staff members visited the Integrated Schools and Special Schools to supervise the activities and training carried out by the student trainees from 14th to 19th February, 2024.

Talent Identification in Adapted Sports for Children with Disabilities (CwDs)

- Thirty-Two MPed students visited seven special schools in Coimbatore namely FDMSE Special Education Unit, Kaumaram Prashanthi Academy for Differently Abled, Vidya Vikasini Opportunity Special School, Star Special School, Nithiliyam Special School, Cottolengo Special School & Thulir Special School with regard to **Talent Identification Program** and collected the data for about 325 CwDs from 16th to 28th October, 2023.

ADAPTED SPORTS COACHING FOR PERSONS WITH DISABILITY

- In connection with the International Day of Yoga celebrations, our students visited various Special Schools and Institutions of Ramakrishna Mission Vidyalaya and trained the students with the AYUSH Yoga Protocol from 15th to 20th June 2023.

Details of the events and beneficiaries of athletes and players with disabilities

S. No	Type of Disability	Training / Game	Gender	Total	Schedule
1	Orthopaedic Impairment	Wheelchair/Badminton	Male	04	All Days
		Wheelchair / TT	Male	02	Alternate Days
		Para Volleyball	Male	09	Sunday
		Badminton	Male	01	Weekdays
		Wheelchair Archery	Male	02	Weekdays
2	Intellectual Disability	Football / Gen. Fitness	Male	01	Alternate Days
		General Fitness	Male	01	
		Athletics	Male	01	Weekdays
		Athletics	Female	01	
		Football / Gen. Fitness	Female	02	

S. No	Type of Disability	Training / Game	Gender	Total	Schedule
3	Visual Impairment	Athletics	Female	01	Holidays
			Male	01	All Days
		Football / Gen. Fitness	Male	06	Weekdays
			Female	02	
4	Autism	General Fitness	Female	01	Sunday
			Female	03	Weekdays
			Male	06	
		Cricket	Male	01	
5	Intellectual Disability (FDMSE)	Football	Male	15	Weekdays
		Basketball		10	
		Throwball, Bocce	Female	8	
TOTAL				78	

PERSONS WITH DISABILITY'S (PwD'S) ACHIEVEMENTS IN SPORTS

Our Vivekananda Inclusive Sports Academy students had participated and won in the following sports & games competition.

- Sri R. Logeshwaran, Vivekananda Inclusive Sports Academy, participated in the “15th Val Vil Uri Festival Open Archery Championship 2023” held on 02nd August, 2023, at Namakkal District in the above 19 years’ category – Indian Bow Event and won the Gold Medal.
- Five students trained under VISA – Vivekananda Inclusive Sports Academy participated in the “**Asal Kovai Rotathon – Mini Marathon Event**” organized by Rotary Club of Kovai on 27th August, 2023.
- Sri Hariprabhu Nammalvar (PBAA005M83), Member, Vivekananda Inclusive Sports Academy, RKMVERI, Faculty of GAPEY, lost the match against Karnataka in the

Quarterfinals of the “**Khelo India Para Games – 2023**” at Delhi, conducted from 10th to 12th December, 2023.

- Four students of Vivekananda Inclusive Sports Academy (VISA) participated in 3rd State Sub-junior & Junior Para Athletics Championship – 2024 organized by Tamil Nadu Paralympic Sports Association at Chennai on 25th & 26th February, 2024. They secured 12 medals in total in 100 M, 200 M, Shot Put, Discus and Javelin events.

BEST PRACTICES

Yoga Coaching for Children with Special Needs: Children with special needs from FDMSE Special Education Unit are undergoing Yoga Training weekly three days as a yearlong programme. In order to develop competency, State level yoga competition was conducted on February, 2024 and this initiative will be continued every year and also in internship & special coaching by our student trainees.

CENTRES OF INTER-DISCIPLINARY, TRANS-DISCIPLINARY STUDY AND RESEARCH AT THE VARIOUS SCHOOL OF THE UNIVERSITY OFFERING ACADEMIC PROGRAMMES SPREAD ACROSS THE FOUR CAMPUSES

The following Interdisciplinary and Transdisciplinary Centres for study and research at the various Schools of the University offering academic programmes spread across the four campuses have been started (March 2023), as part of the the Research & Development Cell set up in tune with the National Education Policy (NEP) 2020:

Sl No	Name of the Centre	Schools/Depts involved	Principal Coordinator(s)
1	Centre for Artificial Intelligence of Things (AIoT) and Mixed Reality (MR)	<u>Across all the following Schools:</u> Mathematical Sciences, Indian Heritage, Agriculture and Rural Development, Rehabilitation and Sports Sciences, Biological Sciences, Environment and Disaster Management	Swami Paramashivananda, Computer Software Architect and Technical Lead, Ramakrishna Math Media Lab, Chennai & Adjunct Faculty, Centre for AIoT & MR, RKMVERI, in collaboration with the Advisory Board comprising the following experts: <ul style="list-style-type: none"> • Prof V. Kamakoti, Director, IIT Madras • Prof Dilip Pratihar, IIT Kharagpur • Dr Babu Sena Paul, Director, Institute for Intelligent Systems, University of Johannesburg, Gauteng, South Africa
2	Centre for 'Number Theory, Dynamical Systems and Chaos'	Departments of Mathematics and Physics	(i) Prof. Stephan Baier, Professor of Mathematics, School of Mathematical Sciences, RKMVERI (ii) Prof. Sukumar Adhikari, Dean, School of Mathematical Sciences
3	Centre for 'One Health'	Schools of: Biological Sciences, Agriculture and Rural Development, Environment	(i) Swami Atmapriyananda, Pro-Chancellor & Secretary, RKMVERI (ii) Dr H. Sudarshan, Founder &

		and Disaster Management	Secretary, Karuna Trust, Bengaluru
4	Centre for 'Humanitarian Studies and Humanistic Sciences'	Schools of: Indian Heritage, Agriculture and Rural Development, Environment and Disaster Management	(i) Dr PG Dhar Chakrabarti, 'Swami Vivekananda Professor' & Head, Environment and Disaster Management, RKMVERI (ii) Dr Paromita Roy, 'Swami Abhedananda Chair', Dept. of Sanskrit and Philosophy, RKMVERI
5	Centre for Consciousness Studies (CHATAK—Chaitanya Tattwa Anusandhan Kendra)	Schools of: Indian Heritage, Biological Sciences	(i) Brahmachari Mrinmay, Programme Coordinator, Dept. of Sports Science and Yoga, RKMVERI & Asst. Professor, Dept. of Computer Science (including Data Science) (ii) Dr Arkadeb Dutta, Asst. Professor, Dept. of Sports Science and Yoga, RKMVERI (iii) Swami Paramashivananda, Computer Software Architect and Technical Lead, Ramakrishna Math Media Lab, Chennai & Adjunct Faculty, Centre for AIoT & MR, RKMVERI
6	Centre for Study and Research on Veda-vedanta, Yoga (VYASA—Veda-vedanta Adhyayana-Samshodhana-Alaya)	School of Indian Heritage	Swami Japasiddhananda, Head of the Dept. of Sanskrit and Philosophy, RKMVERI

ACTIVITIES OF THE INTERDISCIPLINARY AND TRANS-DISCIPLINARY CENTRES DURING 2023-24

1) CENTRE FOR ARTIFICIAL INTELLIGENCE OF THINGS (AIOT) AND MIXED REALITY

(MR)

Objectives

The objective of the Center for AIoT & MR at RMVERI is to adopt multidisciplinary applied research, address distinct challenges and enhance working solutions across multiple fields and departments within RKMVERI (Ramakrishna Vivekananda Educational Research Institute) and RKMM (Ramakrishna Math & Mission) by leveraging four technologies: AIoT (Artificial Intelligence, Internet of Things) and MR (Mixed Reality = AR Augmented Reality + VR Virtual Reality)

Ongoing & Completed Projects for 2023/2024:

a) **3D scanning of heritage artifacts/buildings associated with Swami Vivekananda and disseminating his message through digital storytelling using Mixed Reality** (DST Grant – Rs.93 Lakhs)

i. The objective is to create a detailed digital repository containing high-quality 3D models and images of heritage buildings and archival materials associated with Vivekananda's life and teachings. Once the repository is created, the plan is to create engaging online virtual tours to explore Vivekananda's legacy through our existing ePublications platform (<http://publications.rkmm.org>) and immersive experiences at our “Experience Vivekananda” museums

ii. Scan heritage artifacts associated with Vivekananda using 3D (AI based) Laser/Imaging scanners that will also capture the texture of the object

iii. 3D Reality capture of Heritage indoor spaces (Birth place of Swami Vivekananda) using photogrammetry

iv. 3D Reality capture of Heritage outdoor spaces (Buildings like Vivekananda House at Chennai where he stayed for 9 days) using videogrammetry

v. Do Post processing of captured data and export to standard 3D formats

vi. Associate metadata with each captured artifact/space including geo-locations

vii. Upload the data on cloud platforms with 3D VR viewer for online viewing

viii. Add digital media content to compile a story for an immersive experience at RKMVERI

ix. Enhance accessibility and appreciation of Swami Vivekananda's heritage utilizing digital storytelling of 3D scanned objects and spaces through virtual reality (and augmented reality in the future)

x. Conduct excursions and trips for school and college students to “Experience Vivekananda” centers at our museums raising awareness and enabling a deeper understanding of Swami Vivekananda’s life and teachings

xi. Our 3D Scanning proposal has been selected by DST on October 18th, 2023 and it has been recommended for funding of Rs.93 Lakhs. Grant is yet to be released as of April 2024.

xii. Another Govt of India project is in the offing with respect to immersive Experience that could be taken in 2024-25.

b) LLingAM – A Generative AI Platform for digital publications of Ramakrishna Math and Mission – RKMM LLM (Large Language Model) + GNAI (Generative AI)

Implemented a Generative AI Question Answer Platform for digital publications of books on Life of Swami Vivekananda using Azure OpenAI with RAG (Retrieval Augmented Generation).

c) MEDHAWARRIORS – A Proposal for Assistive care for Dementia patients

MEDHAWARRIORS is an AT (Assistive Technology) based Core Services/Apps utilizing mainstream MR (Mixed Reality - AR/VR based viewable) devices & AI in conjunction with hearable and wearable to assist the PWD (Persons with Dementia) in improving the quality of their daily lives and benefiting the care partners.

MEDHAWARRIORS implement two core services:

(i) AIRRR (Person/Plants/Pets/Property) - Interaction based Recognition,

Rumination & Response using AI and AR (Augmented Reality)

Utilizing AI-based microservices, AR glass will do face recognition of acquaintances in a meet-up (physically/virtually) and retrieve the recent interactions with a summarization (text/video summary) and display virtual flashcards on the glass. If the PWD is not able to remember the acquaintance, the name, relation & location could be displayed on-demand. If the PWD intends to interact with the acquaintance, a short response would be drafted by advanced conversational AI-based systems to assist/prompt in initiating a conversation. Could be extended to Plants/Pets/Property with modified scenarios.

(ii) ARR (Community) – Remote Assistance using AR (Augmented Reality) & VR (Virtual Reality)

ARRV is an AR/VR based system where a PWD wearing a AR/VR glass is able to get help in real-world LIVE from VCPWD (Volunteers/Care-Partners/PWD) community by superimposition of digital information on the real-world objects.

d) Digital Twin with Spatial Computing using AI, IoT and Mixed Reality Intervention for APPAN (Āpadā-Prabandh-Paryāvaran-Anusandhān-Niketan) Disaster Management and Environment Research Centre

The objective of the proposed APPAN shall be primarily to assist the Government of West Bengal in providing research support for disaster risk management in the State. A Digital twin technology is a virtual representation of real-world object, part or system with data flow between a real object and a digital object. In recent years, with modern adaptations, these are now extended to other fields such as human health, climate change by modelling an equivalent digital twin. AI Algorithms are used to analyze incoming data, update the digital twin in real-time, and provide predictive analytics about potential future changes in the ecosystem. Different climate scenarios can be simulated in the digital twin to understand how they would affect the ecosystem, enabling proactive planning. Transform collection of difficult to understand tables, charts, graphs, maps, images, and models into a 1:1 scale digital twin with a unified 3D experience of your project site or facility that becomes the single common operating picture for everyone ensuring the whole team can collaborate more effectively. Using spatial data platform, data interpretation and analysis become more intuitive, collaborative, and accessible in a fully immersive, easy-to-construct, and manage, 3D digital twin of your environment asset. Allows subject matter experts and non-technical personnel to work from a shared, easy-to-understand application enabling everyone to contribute to a unified dataset. Eliminate travel to project sites, reduce health and safety hazards and accelerate time to productivity for new employees by training them in Virtual Reality before sending them into the field. Once deployed, improve operations productivity and site-to-office communications by remotely monitoring IoT sensor data and visualizing status updates in real-time.

e) Visualization and Geomapping of Swami Vivekananda's travel across the world

(i) Geomapping of Swami Vivekananda's travel across the world using Google Earth

(ii) Visualization of Swami Vivekananda's travel using yfiles enterprise diagramming tool

f) CODAI: An AI based Comparative Tool for promoting unbiased Diversity and Inclusion in College Admissions

CODAI is an AI-based comparative tool for College Admissions on CODA platform. It serves as a template for colleges to compare the admission criteria balancing between merit-based scores (such as GPA and Entrance exam scores) against socio-economic

disadvantage indicators. This allows college admission offices to enhance their approach to improve diversity and inclusion especially in US Universities.

g) Guided MS (Big Data) Students from CS Department for their following term projects

- i. Creation of Knowledge Graph from input passage, Visualization, Integration with LLM
- ii. Finetuning LLMs for Human Alignment
- iii. Elevating User Device Interaction Using Hand Gesture Recognition

2) CENTRE FOR 'NUMBER THEORY, DYNAMICAL SYSTEMS AND CHAOS'

Professor Sukumar Adhikari, Dean, School of Mathematical Sciences visited the Department of Mathematics, Princeton University, New Jersey, the State University of New Jersey, Rutgers and the CUNY Graduate Center, New York.

In Rutgers, he gave a talk on 'The polynomial method in the study of zero- sum theorems'. He visited Harish-Chandra Research Institute, Prayagraj from 4th Feb, 2024 to 17th Feb, 2024 for attending the workshop "Words and Transcendence - II";

Prof. Adhikari had been one of the organizers and speakers of the the workshop "Words and Transcendence" in KSOM from 7th to 12th August, 2023.

He also gave a plenary lecture in the International Seminar on Topology, Algebra and Applications (ISTAA-2024) during March 12-14, 2024, at North Bengal University.

Prof. Adhikari also organizes many seminars for teachers and students. For instance, he was one of the coordinators of the 'Instructional School for Teachers on Algebra and Number Theory' (funded by NCM, Mumbai) held at the North-Eastern Hill University, Shillong during June 26 to July 8, 2023. Recently Dr. Ibrahim Molla successfully defended his Ph. D. thesis (written under the supervision of Prof. Adhikari).

Professor Baier, Professor, Department of Mathematics, was a speaker at the following conferences/workshops: "Words and Transcendence" at KSOM from 7th to 12th August 2023, "Two Day National Workshop on ALGEBRA AND NUMBER THEORY" at SRTM University Nanded from 9th to 10th October 2023, "Discussion Meeting on Analytic Number Theory 2024" at ISI Kolkata from 8th to 12th January 2024, "Workshop on Analytic and Combinatorial Number Theory" at HRI Prayagraj from 20th to 30th March 2024.

The two last-mentioned conferences were attended by our post-doctoral fellow Nilanjan Bag and our PhD students Arkaprava Bhandari, Aishik Chattopadhyay, Sourav Das and Anup Halder. Two more members of our group spoke at the said "Discussion Meeting on Analytic Number Theory 2024":

Our postdoctoral fellow Dr. Nilanjan Bag and our PhD student Sourav Das. Esrafil Molla, PhD student under the guidance of Professor Baier, defended his PhD thesis successfully on 2nd April 2024.

This centre held seminars on a regular basis, covering the Riemann-Roch theorem last year and starting to look into the Oppenheim conjecture this year. Speakers were our PhD student Arkaprava Bhandari, our postdoctoral fellow Dr. Nilanjan Bag and Professor Baier. In connection with the Oppenheim conjecture, Professor Alok Kumar (Sikkim University) kindly provided a lecture series on ergodic theory to us (online). The seminars on the Oppenheim conjecture are ongoing with the goal to cover Margulis's ergodic theoretic proof of this conjecture. The long-term goal is to incorporate dynamical methods into our number theoretical research. This centre has also produced many papers on combinatorial and analytic number theory.

3) CENTRE FOR 'ONE HEALTH':

Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI), a deemed to be University declared by the Government of India under the University Grants Commission (UGC) Act, 1956, in the hallowed names of Sri Ramakrishna and Swami Vivekananda has taken the initiative to set up a 'Centre for One Health' which is being widely discussed in the recent times, particularly post-Covid 19 global pandemic. The World Health Organization (WHO) of UNO and ICMR (Indian Council of Medical Research) of Government of India, are seriously seized of this issue of 'One Health' which is an integrated approach to health comprising Soil-Plant-Animal-Human (SPA) health issues in a holistic manner. The intention is to promote unified, integral, soil-plant-animal-human health. RKMVERI has set up a 'Centre for One Health' whose detailed roadmap and the work done so far during the period Dec 2022—Dec 2023 is delineated below.

1. The 'One Health' Initiative proposed to be undertaken by RKMVERI

RKMVERI's vision is a harmonious combination of the ancient Bharatiya Jnana Parampara (Indian Knowledge Systems Tradition) with the modern scientific knowledge as envisioned by Swami Vivekananda who gave us the following mandate: "Rooted in the Prachin Bharatiya Jnana Parampara (Ancient Indian Knowledge Traditon) and blending it harmoniously with the modern scientific knowledge, we should establish a University at Belur Math [under Ramakrishna Mission]". The 'One Health' initiative is one such integrated approach (rooted in the elaborate discussions and directives as found in Kautilya magnus opus, Arthashastra) blended with the modern soil-plant-animal-human health sciences.

This 'Centre for One Health' is thus an inter-disciplinary Centre with three basic components: (i) research, (ii) teaching, (iii) extension/outreach/training programmes in 'One Health'. We envisage the creation of a large dedicated pool of 'One Health' workers well trained in the theretical and practical aspects of this emerging subject to promote

unified, integral, healthy soil-plant-animal-human-society nexus.

The 'One Health' concept is grounded on the assumption that the health of animals, people, plants, and the environment is interconnected and implies their integrated management to tackle health threats and promote holistic health of the entire environment with all its various components. [See the write-up enclosed herewith titled "The 'One Health' Concept—Its roots in the ancient Indian Wisdom"].

With substantial experience and expertise in agricultural sciences and rural development, the vibrant Departments of 'Agriculture and Integrated Rural and Tribal Development and Management' at the Narendrapur and Ranchi 'Off-Campus' Centres of RKMVERI deemed to be University together with the two Krishi Vigyan Kendras (KVKs) under the University hopes to achieve this projected goal. The 'Medical Biotechnology Division' at the Narendrapur 'Off-Campus' of the University will provide great support in this new venture. In line with the Food and Agricultural Organization of the United Nations' approach (<https://www.fao.org/one-health/en/>), the 'One Health' Initiative at RKMVERI may work on food security, sustainable agriculture, food safety, antimicrobial resistance, nutrition, plant, animal and human health, fisheries, and livelihoods. Such a transdisciplinary approach covering multiple sectors will need to generate critical knowledge on inter-sectoral interfaces (e.g., animal health and human health). The proposed 'One Health' Initiative will generate such knowledge, employ them to design multi-sectoral agri-food-health systems that work on the ground, and field test those solutions for contextual refinement.

The generated knowledge, systems design, and experience of community-level interventions will form the basis of developing teaching-learning resources and best practices, which will be used for university teaching, policy advocacy, and public outreach. Experts from diverse academic and professional backgrounds met at Belur Math on 5 December 2021 (members of the task force is provided in the list below) to discuss the possibility of initiating 'One Health' at RKMVERI.

A 20-member Task Force (see the list attached) was formed, with 5 more co-opted members, drawing experts from the various fields related to 'one health' to work out the detailed roadmap in this regard. Some of the active collaborators in this initiative, to mention a few are: African Plant Nutrition Institute represented by Dr. Kaushik Majumdar, the Director-General of this Institute (<https://www.apni.net/team/kaushik-majumdar/>), and Girijana Kalyana Kendra & Karuna Trust, represented by Dr. H. Sudarshan, Secretary, Vivekananda Girijana Kalyan Kendra (https://en.wikipedia.org/wiki/Hanumappa_Sudarshan).

2. 'One Health' Initiative under the auspices of Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI) in collaboration with Vivekananda Girijana Kalyan Kendra (VGKK)

**TASK FORCE (formed at a meeting held on 5 December 2021 at the Belur
Main Campus of RKMVERI)**

Sl	Name	Field of Expertise
1.	Swami Atmapriyananda (Chairman)	Physics (Administrative Facilitator)
2.	Swami Shivapurnananda	Agricultural Biotechnology
3.	Dr. S. Ayyappan	Agricultural Sciences
4.	Dr. Prabodh Dhar Chakraborty	Disaster Management
5.	Dr. Kaushik Majumdar	Soil Science
6.	Dr. Sudarshan Dutta	Soil Science
7.	Dr. H. Sudarshan	Medical Sciences
8.	Dr. Gour Das	Medical Sciences
9.	Dr. P. K. Nag	Occupational Health
10.	Dr. Rupak Goswami	Rural Development
11.	Dr. Gautam Chatterjee	Agricultural Biotechnology
12.	Dr. Chandan Ghosh	Disaster Management
13.	Dr. Debasis Banerjee	Medical Sciences
14.	Dr. Kajal Sengupta	Agronomy
15.	Dr. Abhijit Chakrabarti	Biochemistry
16.	Dr. N. C. Sahu	Soil Science
17.	Dr. Ashwin Laxmikant Kotnis	Biochemistry

Sl	Name	Field of Expertise
18.	Dr. Sarbaswarup Ghosh	Veterinary Sciences
19.	Dr. Swagat Ghosh	Fisheries Science
20.	Dr. Krishnendu Ray	Agronomy
21.	Dr. Paromita Roy	Philosophy (Environmental Ethics)
22.	Dr. K. Aguan	Molecular/Cell Biology, Neuro-genetics
23.	Dr Nachiketa Chattopadhyay	Econometrics, Statistics
24.	Dr Debasis Sengupta	Statistics
25.	Sreeraj Roy	Pharmaceuticals (Strategy & Business)

Write-up on ‘One Health’ Health—its roots in the Ancient Indian Wisdom

3.1. How did the concept of ‘One Health’ originate?

‘One Health’ is in fact a collaborative, multi-disciplinary approach aiming at optimal health outcomes by recognizing the interconnection between plants, animals as well as humans and their shared environment. The term ‘One Health’ was first used in 2003-2004 and was associated with the emergence of severe respiratory disease (SARS) in early 2003 followed by the spread of highly pathogenic avian influenza H5N1 which led to evolving of strategies specifically known as ‘Manhattan Principles’ listing 12 recommendations in Wild Life Conservation Society (WCS) meeting held in Sept 2004 to trace the roots of epidemic diseases and thereby fight the crisis with an understanding of ecological integrity which speaks of a holistic approach toward environment.

Interestingly, but not surprisingly, the idea of ‘One Health’ that is fast gaining acceptance in the modern idea of ‘integral health’ or ‘convergence’ as it used to be called, has its roots in the ancient Indian thought. ‘Oneness’ has been the key concept cultivated and emphasized in the ancient Indian wisdom of the Vedas and the Vedanta—in the Upanishads we find repeated references to *ekatva vijnana*, (the Knowledge of Oneness). Although appearing anew on global platform reincarnating as it were in a new form, this idea of ‘Oneness’ is the bedrock upon which the ancient Indian edifice of philosophical, spiritual and scientific thought was based. It is wonderful to see how the Indian thought current has been silently transforming the thought current of the world.

In Swami Vivekananda's inimitable poetic words: "Like the gentle dew that falls unseen and unheard, and yet brings into blossom the fairest of roses, has been the contribution of India to the thought of the world. Silent, unperceived, yet omnipotent in its effect, it has revolutionized the thought of the world."

India has always nurtured in her bosom the ideas of 'unification', 'integration', 'harmony and synthesis' leading to One Unified State of Existence, wherein the scientific, philosophical and spiritual ideas of 'interconnectedness' and 'interdependence' lead in practice to collective and universal well-being, because the well-being of the individual is intimately related to the well-being of the collective—one is all: the microcosm-macrocosm is one Indivisible Whole.

3.2. One World, One Health in the Vedas

The idea of nature deification in the Vedic age reveals how men realized the interconnection with each component of nature. Through the process of deifying nature,

Vedic men expressed gratitude toward the nature in its entirety which maintains their survival. Men therefore considered themselves only as part of the entire causal nexus of events which is characterized by symmetry. Each of the parts has its roots in the Greater

Whole from which they originate and such is true of all events and phenomena which Vedic Rishis deified 'ekamī sadviprā bahudhā vadanti...' (Rg Veda 1.164.46) or 'ekamī santamī bahudhā kalpayanti...' (Rg Veda 10.114.5): "That which exists is One, the sages call it differently", "That being One, is imagined to be many".

3.3 One World--One Health in the Upaniṣads

The Upaniṣads explain how One World has originated from the Supreme Reality. To quote a verse from the Taittirīya Upaniṣad:

tasmādvā etasmādātman ākāśaḥ sambhūtaḥ /
ākāśādvāyuḥ / vāyoragniḥ / agnerāpaḥ /
adbhyaḥ pṛthivī /
pṛthivyā ośadhayaḥ /
ośadhībhyo'nnam /
annātpurūṣaḥ / (Tai UpII.i.1)

From that Brahman indeed, which is this Self, was produced space.

From Space emerged air. From air was born fire. From fire was created water. From water sprang up earth. From earth were born the herbs. From the herbs was produced food. From food was born man.¹

The world with all its elements (living and non-living) having their locus in the Supreme Being advocate a wonderful accord that runs through them. Any harm done to any of the elements would eventually inflict harm on the other as all are interrelated in this Cosmic Whole.

3.4. One World--One Health in Arthaśāstra, Manusamhitā and Yājñavalkyasamhitā

Though being a book on the science of polity, Arthaśāstra did not overlook nature's well-being. It was believed that economic gains can be ensured only when all aspects of nature are well taken care of. The king had the moral obligation to protect the bounty of nature.

We notice not only strict vigilance of the Superintendent of Agriculture for optimal land usage, homage to land for better productivity and human sustenance is also visible in the Arthaśāstra. Thus goes the following verse:

prajāpataye kāśyapāya devāya ca namaḥ sadā /
sītā me ṛdhyatāmi devī bījeṣu ca dhaneṣu ca // ²

Every time crops were sown in any particular time of year, a handful of seeds soaked in a pot of water with a piece of gold had to be sown chanting the above mantra whereby homage is paid to God Prajapati, Kaśyapa (son of Sūrya). It is prayed so that agriculture may prosper and the Goddess (Sītā Devī) may bestow her blessings.

Apart from land care, Arthaśāstra also mentions the presence of the Superintendent of Forest, Superintendent of Domestic Animals ensuring the well-being of the biotic community. Arthaśāstra also lays down extensive measures for wasteland management.

The statecraft in Arthaśāstra clearly reveals that everything in nature is intertwined and therefore to ensure economic gains the king had to look into every sector of nature.

The idea of Pañcamahāyajña in the Manusamhitā projects the moral responsibility of an individual to protect nature. He realizes that he is nurtured by nature and therefore in the

Gārhashthya stage of life an individual is found to execute his moral duties towards the entire world. Thus goes the verse:

adhyāpanami brahmayajñaḥ pitṛyajñastu tarpanam /

homo daivo balirbhauto nṛyajñohatithipūjanam //

Teaching and studying is the sacrifice offered to the Brahmanas. The Pitṛ R̥ṇa is the obligation that the moral agent owes to his ancestors so that human race may survive and grow. This he discharges by paying respect to the ancestors by performing funeral rites and other ceremonies. The Deva R̥ṇa is the obligation that the householder owes to the entire universe. This he discharges by pouring oblations in the fire. The Bhuta R̥ṇa is the obligation that the moral agent owes to the lower animals. This he discharges by giving food and protecting them. The householder is also indebted to his neighbours and other beings which is the Nṛ R̥ṇa. This he discharges by serving and entertaining guests. The idea behind Pañca-mahāyajña is One World--One Family where the well-being of one is intertwined with the well-being of the other. The Yājñavalkya-samhitā also projects individual commitment towards the entire world in the following verse:

balikarmasvadhāhomāsvādhyāyātithisatkriyāḥ /

bhūtapitramābrahmanuṣyāñām mahāyajñāḥ // (1/102)

Sacrifice of animals (Bali), oblation or food offered to the manes (Svadhā), oblation of Fire (Homa), study and teaching of the Vedas (Svādhyāya), and the reception of guests, are the great sacrifices of the Bhūtas (evil spirits), Pitṛ-s (departed manes), Devas (celestials), Brahmā, and Manuṣya (mankind).

The discharge of duties by an individual householder is indeed a way to honor the entire creation of which he is a part. This significantly undermines the prospect of any sort of human dominion and lordship over nature. Man discharges his responsibilities as a citizen of this world. This creates a strong sense of bonding between man and nature that eventually paves the way to the development of an eco-community.

3.5. How is the idea of eco-community significant to ensure 'One Health'?

The ancient Indian perspective towards nature is extremely necessary to ensure well-being of the entire community of nature. It is not divided state of existence but living in harmony with nature that can help in developing better health infrastructure where the life of one is not sacrificed for the enjoyment and benefit of humans. It is the intrinsic value of nature and not its instrumental value that is needed to be realized by in this hour of crisis.

Aldo Leopold (1887-1948), the most influential figure in the development of an eco-centric environmental ethics in an essay in 'A Sand County Almanac' says "Land then is not merely soil; it is a fountain of energy flowing through a circuit of soils, plants, and animals." He writes further "the land ethic simply enlarges the

boundaries of the community to include soils, waters, plants, and animals, or collectively the land.” He uses the idea of a “biotic pyramid” or “land pyramid” to help us understand the nature of biotic community. The concept of eco-centric ethics is taken further by the Norwegian philosopher, Arne Naess in his concept of an ‘Ecological Self’. The concept of Deep Ecological sense of the Self requires a greater maturity on the part of a human whereby he can identify himself with the non-human realm of nature. Such an understanding helps an individual to transcend the concept of any isolated ego that insists on the development of a person as a separate individual. This is exactly what our Indian tradition has silently upheld millennia upon millennia.

In the modern age, Swami Vivekananda, following his Master, Sri Ramakrishna, revived at the philosophical, scientific and spiritual levels, the ideas of the ancient system of Vedanta:

(1) Innate, inherent Divinity of every individual being,

(2) Oneness or Unity of All Existence (Solidarity of the Universe) through the discovery of Microcosm-Macrocosm Identity,

(3) Thus leading to Divinity of All Existence.

Romain Rolland therefore rightly said: “In the two words, equilibrium and synthesis, Vivekananda’s constructive genius may be summed up. ...He was the embodiment of the harmony of all human energy.”

A fitting finale to this short write-up is the following Shanti Mantra (Peace Chant) that invokes in telling language peace and benediction, and therefore joy and happiness (for there can be no joy without peace as the Bhagavad-Gita says: “Ashantasya kutah sukham”—Gita, 2.66) on the entire gamut of existence: the sky, interstellar space, the earth, the waters (rivers and oceans), the plants and the herbs, trees and the environment, all the forces of Nature, in fine, ALL of creation—may supreme peace pervade, envelop and interpenetrate the entire universe.

द्यौः शान्तिरन्तरिक्षं शान्तिः पृथिवी शान्तीरापः शान्तिरोषधयः शान्तिः।

वनस्पतयः शान्तिर्विश्व देवाः शान्तिर्ब्रह्म शान्तिः सर्व शान्तिः शान्तिरेव शान्तिः सा मा शान्तिरेधि॥

(शुक्ल यजुर्वेद ३६-१७)

Om. Dyauh shantih, antariksham shantih, prithvi shantih, aapah shantih, oshadhyah shantih, vanaspatayah shantih, vishve devaah shantih, brahma shantih, sarvam shantih, shantireva shantih, saa maa shantiredhi. Om shantih, shantih, shantih.

English Translation of the above Mantra:

Om. May peace prevail in the heavens (the sky). May peace prevail in the interstellar

space. May peace reign on the earth. May the waters be peaceful. May peace be on all the plants and herbs. May peace reign on all the trees and environment. May peace rest with all the divine beings. May the Supreme Being and the scripture be the Abode of Supreme Peace. May peace reign everywhere and in every being. May there be peace and more peace everywhere at all times. May that supreme peace come to me too [by the grace of the Supreme]. Om peace, peace, peace!

References:

1. Swāmī Gambhīrānanda (translated) Eight Upanisads (Volume one), Advaita Ashrama 2006, pp-304
2. Bandopadhyay Manabendu: “Kauṭilyam Arthaśāstram” (edited and translated) Bengali, Sanskrit Pustak Bhandar, 1st vol & 2nd vol 2002 & 2001 respectively, verse 2.24.10.
3. Bandopadhyaya Sureshchandra (translated) Bengali, “Manu-samhita”, Ananda Publishers Pvt. Ltd. 1999, verse 3.70.
4. K.L Joshi (Edited and revised), Manmatha Nath Dutta (translated), Yajnavalkya-smṛti, Sanskrit Text, (English Translation, Notes, Introduction and Index verses), Parimal Publications, 2005, pp-26-27, verse-102

4. Education & Training Programs: Certificate Course on ‘One Health’

IRDM401: Introduction to ‘One Health’ (2 credits)

Course Objectives:

The objective of this introductory course is to appreciate & explore how humans, plants, animals, and the environment are all inter-connected through the lens of the concept of One Health. The course shall make the students across the disciplines, aware of the concept by combining traditional wisdom with modern sciences.

Syllabus: (32 lecture hours)

Module 1: Philosophical & Cultural aspects of One Health (2 Lectures) Dr. Paromita Roy

A philosophical, spiritual and aesthetic view, emergence of One Health concept, interdependence of Human, Plant, Animal, and Environmental health – An overview

Module 2: Planetary Health (4 L)**Dr. Prabodh Dhar Chakrabarti**

Climate change, deforestation, loss of biodiversity, ocean acidification, phosphorus and nitrogen cycle, their impacts on human, animal and plant health

Module 3: Environmental Health (4 L)**Dr. Chandan Ghosh**

One Environment – air, water, and soil, air health –pollution, ozone depletion, carbon cycle, fossil burning, and GHG emission; Water Health – supply source, sanitation, contamination, transmission of waterborne infections and diseases; Soil Health – micro-nutrients and biological properties, soil micro- and macro-fauna, pesticides contamination; implications on environmental health, transmission of infections and disease

Module 4: Plant Health (4 L)**Dr. Kajol Sengupta**

Evolutionary relationships across different forms of life, traditional and organic versus modern farming: impacts on soil, plant, animal, and human health; agricultural systems, agronomic practices, modern mechanization on plant health; plant-microbiome network; food sources and nutrition

- ◆ Introduction [Importance of Plant Health in 'One Health - human and animal health are closely connected to plant health for at least following reasons:
 - ❖ Food security, (ii) Food safety, (iii) Feed security and (iv) Livelihoods.
- ◆ Traditional and organic versus conventional or modern farming- Merits of Organic farming.
- ◆ Agronomic practices – Bad practices vs. Good practices; Importance of soil health; Sustainable crop management - The nexus between plant and plant microbiome and its importance in plant health
- ◆ Food sources, their quality and nutritional value.

Module 5: Animal Health (4 L)**Dr. Sarbaswarup Ghosh**

Human-Animal relationship and welfare, Human-Wildlife coexistence, increasing incidents of conflicts, impact in the rural economy, conservation efforts; aquatic animal health (Disease monitoring, Surveillance, Epidemiology, Quarantine, Certification, Import risk analysis.), animal food sources and nutrition; Soil health → Animal feed → Animal health → Animal food quality; Strategic dietary supplements in animals and aquatics; Defining and understanding emerging zoonotic disease, antimicrobial and anti-helminthic resistance.

For Aquatic animal- Application Good Manufacturing Practice (GMP), Good Hygiene Practice (GHP), Hazard Analysis and Critical Control Point (HACCP)-programme, Probiotics and bioremedial measures; Immuno-stimulants and their role.

Module 6: Human Community Health (4 L)**Dr. H Sudarshan**

Physical health – The foundation, Mental and behavioural health – benefits of human-plant, and human-animal interactions; Cultural health –the strength and protection; Communicable and non-communicable diseases; Antimicrobial resistance (AMR);Lessons learned from COVID-19 outbreaks; Emerging zoonotic disease threats.

Module 7: Eco Health (2 L) Dr. Gautam Chatterjee & Colleagues

One Earth, One Ecosystem, One Health; Nutrient recycling and nutrient flow in the Ecosystem, Biodiversity and its role in ecosystem health

Module 8: Management of Epidemics & Pandemics (2 L) Dr. Prabodh Dhar Chakrabarti / Dr. Anindya Mukherjee

Extreme events and the resulting influences on One Health; Emerging threats, perspective, prediction and risk management

Module 9: Socio-economic aspects of One Health (4 L) Dr. Rupak Goswami

Social and cultural aspects of human-animal interactions; Reflective and Participatory Social Science for One Health – Concepts and Reported Cases; One Health Economics – Concepts, Reported Evidences, Examples of Economic Analyses used in One Health; Linking One Health to Sustainable Livelihoods

Module 10: Emerging Policy & Institutional Framework (2 L) Dr. Prabodh Dhar Chakrabarti

One Health in policy development, One Health in action and practice, Academic and Institutional One Health program; The nature of One Health study – concepts and examples from Zoonoses, antimicrobial resistance, surveillance systems, etc.; The concept of complex systems, defining systems and systems boundary, sampling, design considerations, analysis plans, and ethical considerations.

5. Booklet under preparation under the ‘Centre for One Health’

‘One Health’—the Philosophy and Practice from the perspectives of Ancient Indian Wisdom and Modern Global Trends of Thought by Dr Paromita Roy, Asst. Professor in Philosophy, Dept. of Sanskrit and Philosophy & ‘Swami Abhedananda Chair’, School of Indian Heritage

Ramakrishna Mission Vivekananda Educational and Research Institute (Deemed to be University declared by Govt. of India under UGC Act, 1956) P.O. Belur Math, Dist. Howrah, West Bengal.

Contents of the above book

Preface

Chapter 1. How did the concept of 'One Health' originate?

Chapter 2. Instrumental value vis-à-vis Intrinsic value of environment—Conflicts in environmental policy making

Chapter 3. Why do we need philosophy?

Chapter 4. How Indian wisdom can be a savior to environmental damage

4.1. Holistic approach towards nature in the Vedic era:

4.1.1. Rg Veda and the Yajur Veda traditions

4.1.2. Atharva Veda tradition

4.2. Holistic approach towards Nature in the Upaniṣads

4.3. Holistic approach towards Nature in the heterodox Indian (Jain and Buddhist) traditions:

4.3.1. The Jain tradition

4.3.2. The Buddhist tradition

4.4. Holistic approach towards Nature in the Arthaśāstra, Manusamhitā and

Yājñavalkyasamhitā:

4.4.1. Arthaśāstra

4.4.2. Manusamhitā

4.4.3 Yājñavalkyasamhitā

Chapter 5. Tribal Traditions and Culture: Holistic vision towards Nature among the indigenous people

Chapter 6. Whither next: Future Hope in Healing the Earth

Contents in detail for the above book have already been prepared, running to nearly 100 pages. Each of the topics will lead further elaboration and detailed referencing. This is under preparation and the whole book (running to about 250 pages), capturing both the ancient Bharatiya Wisdom tradition and the modern scientific knowledge about 'one health' is expected to be published within one year (2024-2025).

6. Physical infrastructure for 'Centre for One Health'—three-storeyed building at RKMVERI's Narendrapur 'Off-Campus' Centre's 'Sasya Shyamala' Krishi Vigyan Kendra (KVK) is almost already—some additions and finishing touches are pending and the work

is getting delayed for want of funds. The entire building is expected to be ready and functional within a year (2024-2025).

4) CENTRE FOR 'HUMANITARIAN STUDIES AND HUMANISTIC SCIENCES'

The humanitarian ideas, principles and practices of reaching out to the people in distress due to natural calamities, war, conflicts, civil disturbances or similar situations, for saving lives and alleviating the sufferings are age old. The Christian ideas of charity have been dominant in Europe and America and influenced humanitarian interventions around the world during the colonial and post-colonial period. The Hindu concept of Seva or service to humanity, the Islamic concept of Zakat or act of giving to the needy and the Buddhist idea of Karuna or compassion for the suffering have been the motivating spirits behind humanitarian action in India and other developing countries.

2. Ramakrishna Mission has contributed to these rich traditions through its seamless humanitarian services for over 125 years to people in distress in various parts of the country and outside. The spirit of selfless and devoted service with dignity without any discrimination fear or favour has added new dimensions and values to the existing standards and practices humanitarian services.

3. In order to draw lessons from the rich humanitarian philosophy of India in general and glorious humanitarian tradition of Ramakrishna Mission in particular it was decided to establish a special Centre for Humanitarian Studies and Humanistic Sciences as a multi-disciplinary research centre involving the School of Indian Heritage and School of Environment and Disaster Management. The following are the objectives of the Centre:

a) Carry out research on humanitarian philosophy of India and humanitarian tradition of Ramakrishna Mission to add values to the contemporary global discourses on humanitarian ethics;

b) Carry out research on humanitarian system of India;

c) Start a Certificate Course on humanitarian studies and action

4. Following activities have been taken up by the Centre during 2023-24:

A. Research on Humanitarian Philosophy of India:

A project proposal on Humanitarian Philosophy of India was submitted to the Indian Council of Philosophical Research (ICPR) jointly by the School of Indian Heritage and School of Environment and Disaster Management. ICPR has approved the proposal and sanctioned financial grant of Rs. 6.00 lakhs for conducting the research over a period of two years. A copy of the project proposal is attached as annexure-I. Work on the project is going on.

B. Certificate Course on Humanitarian Studies and Action:

One year online certificate course on Humanitarian Studies and Action has been designed by the School of Environment and Disaster Management and the same has been approved by the Board of Studies. A copy of the course module is attached as Annexure-II. It has been decided to conduct the course in collaboration with some reputed national and international institutes. National Institute of Disaster Management (NIDM) New Delhi and International Federation of the Red Cross (Geneva) has been approached. Their response is awaited.

C. Research on Humanitarian System of India:

Based on his own knowledge and experience Dr P G Dhar Chakrabarti Swami Vivekananda Chair Professor and Head of School of Environment and Disaster Management has undertaken a study on Strengthening Humanitarian System of India. The study report is expected to be completed soon and submitted for publication. Meanwhile Dr Chakrabarti has made several presentations on the subject in various national and international conferences.

5) CENTRE FOR CONSCIOUSNESS STUDIES (CHATAK—CHAITANYA TATTWA ANUSANDHAN KENDRA)

Seminars and Webinars:

- **Fifteen-day long webinar series on "Science of Pranayama" during 1 June -15 June 2023**

The Department of Sports Science and Yoga School of Rehabilitation and Sports Sciences at Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI Deemed University), Belur Math conducted a fifteen day webinar series on the topic **"Science of Pranayama"** which covered topics on classical scriptural basis of pranayama as well as modern scientific evidence on the health benefits of pranayama. This webinar series of **15 lectures** covered various aspects of pranayama in special reference to the scriptural basis of pranayama, as well as evidence based modern scientific basis of pranayama, both from the point of theory and practice, based on our ancient authentic scriptures as well as modern scientific (neuro-physiological and cardiological evidence). Speakers were drawn from a large pool of competent monks of Ramakrishna Order available at our University and those elsewhere in India and abroad, scientists (neuro, cardiological, physiological, psychological, etc.), and medical doctors.

Webinar Schedule: 1 -15 June 2023

Module 1: Scriptural basis of Pranayama			
Date	Title/Topic	Name of resource persons	Affiliation
1 June	Inauguration of the webinar	Swami Atmapriyananda	Pro Chancellor, RKMVERI
	Scientific basis of pranayama	B N Gangadhar	President, National Medical Commission
2 June	Fundamental concepts of classical pranayama	Dr O P Tiwari	Former Director, Kaivalyadhama
3 June	Swami Vivekananda's ideas on prana and pranayama	Swami Atmarupananda	Minister in charge, Centre Vedantique Ramakrishna, Gretz, France
4 June	<i>Prano virat</i> —'Life is immense' (Rabindranath Tagore)	Swami Atmapriyananda	Pro Chancellor, RKMVERI
5 June	Insights on Pranayama from Jyotsna Commentary of Hathayoga-pradeepika	Dr. Jayaraman Mahadevan	Professor & Dean, Division of Yoga and Spirituality, SVYASA Yoga University, Bengaluru
6 June	Essentials of Pranayama	S Sridharan	Senior Trustee, KYM Chennai
8 June	Esoteric theory of prana and pranayama	Swami Vidyapradananda	Head, Department of Sports Science and Yoga, RKMVERI
13 June	Dimensions of Pranayama in Vedanta	Swami Japasiddhananda	Head, Department of Sanskrit & Philosophy, RKMVERI

Module II: Scientific basis of pranayama

Date	Title/Topic	Name of resource persons	Affiliation
7 June	Effects of pranayama on Anxiety, Affect, and Brain Functional Connectivity	Draulio Barros de Araujo	Brain Institute, Federal University of Rio Grande do Norte (UFRN), Natal, Brazil
9 June	Cardiorespiratory and Endocrine Mechanisms Behind the Effectiveness of Pranayama	Dr Angarai Ganesan Ramakrishnan	Professor of Electrical Engineering and associate faculty of Centre for Neuroscience Indian Institute of Science Bengaluru
10 June	Effects of Pranayama on Brain Structure & Function	Dr Shubhadip Paul	Assistant Professor, Department of Sports Science and Yoga, RKMVERI
11 June	'Power of pranayama: The science of breathing'	Dr Indranil Basu Ray MD, DNB (Card), FACP, FACC	Chairman American Academy for Yoga and Meditation, Tennessee, USA
12 June	Yoga and Pranayama in Neurological Rehabilitation: Current Evidence	Dr. Anupam Gupta. MBBS, MD	Professor & Head, Department of Neurological Rehabilitation, NIMHANS Bangalore
14 June	Understanding Pranayama and its scientific mechanism of action	Dr Hemant Bhargava MBBS, MD (Yoga & Rehabilitation), MSc (Psychology), PhD	Assistant Professor, Department of Integrative Medicine, NIMHANS Bangalore
15 June	Valedictory session	Swami Sarvottamananda	Vice-Chancellor, RKMVERI

Webinar Webpage:

<https://sy.rkmvu.ac.in/webinar-on-science-of-pranayama-1-15-june-2023/>

Youtube channel of lectures

<https://www.youtube.com/playlist?list=PLGMj0MW5fbf9ABGpokZAlhnG-wgLssT6U>

Photos are available in <https://drive.google.com/drive/folders/184ZqqtpeljYil-em2lAgIOpwgfQQWk1J?usp=sharing>

Registration : A total of 290 people registered in the webinar.

● Half-day seminar on "Science of Suryanamaskar", 21 March 2024

Suryanamaskara was an integral part of daily obligatory routine (*nitya vidhi*) in Vedic times. The earliest form of Suryanamaskara is called the *Tṛcā kalpa mantra* and is found in the first maṇḍala of Ṛgveda (RV 1.50.11-13). These mantras also appear in *Hridrogkāmālānāśana sūktam* of Atharva Veda. A careful study reveals that through these mantras one prays to the Sun to rise up high and with its all conquering vigor remove two specific diseases - heart disease or *hṛdrogam*, and bilious disease or *harimāṇam* (in Atharva Veda, it is called *kāmālā*, a particular form of bilious disorder). These mantras indicate that one of the non-pharmacological methods of treatment by the Atharvan priest was the use of sun rays in treating specific diseases. There are other references in Atharva Veda regarding the germ killing power of sun rays and how sun dispels diseases and sickness. The Atharvan priest used various charms in the treatment according to the aetiological factors and origin of diseases. Charms are mantras infused with energy and were extensively used in healing. Ayurveda also uses divine intervention (*Daiva-vayapāśraya cikitsa*) as an established method of treatment to cure the unknown and unnoticed causes of diseases. Physical prostrations showing complete surrender to the Sun was also an important aspect of Sun salutation. In modern times Dynamic Suryanamaskara (DSN) is widely practised as cardio and fitness exercises. It has twelve postures involving stretching, supine, prone, back bending, and standing. In a sequence one moves from standing position down to sashtanga namaskara and then back to standing position. Each step is counterbalanced with the previous one, alternately contracting and relaxing the abdominal area, helping the lungs to breathe naturally and synchronously by alternating inhaling and exhaling. The linkage between a healthy heart and healthy bile was established later in Ayurvedic literature. According to Suśruta, heart disease is caused due to flow of impure blood in the heart, mainly for digestive issues and one of the five principal causes of heart disease is *pitta doṣa*. Modern scientific studies also establish the link between cardiac and gastrointestinal disorders and how the postures practiced in modern Suryanamaskar plays a bi-directional role in modulating the gut-brain axis and

thereby help attenuate the problems associated with the heart and digestive system. Similarly studies have also found how blood pressure and cardiovascular diseases can be attenuated with regulated exposure to the sun. A seminar/workshop on **The Science of Suryanamaskara** aims to present the vedic roots of Suryanamaskara and how the sun rays were used in treatment of diseases. It will also highlight the results of modern scientific findings on the health benefits of Suryanamakara, with particular reference to the heart, brain and gut.

Schedule

Time	Event/Title of talk	Speaker/Instructor
5.00 pm-5.20 pm	Introductory Remarks	President/General Secretary of the Asiatic Society, Kolkata, & Pro-Chancellor of 'Vivekananda University', Belur Math
5.25-5.50 pm	Vedic roots of Suryanamskara: <ul style="list-style-type: none"> ● Tricha Kalpa Mantras of Rigveda ● Suryanamaskar as a vedic system of medicine of Atharvaveda 	Swami Vidyapradananda
5.55 pm-6.30 pm	Modern Dynamic Suryanamaskara demonstration with mantras	Sanjoy Majhi and Debraj Das
6.35 pm-7.05 pm	Physiological and neurophysiological changes that happen to the brain and the heart during Suryanamaskara	Dr Arnab Das, Asst. Professor, Dept. of Sports Science & Yoga, Vivekananda (Deemed) University
7.05 pm-7.15 pm	Concluding remarks	Secretary, Ramakrishna Mission Institute of Culture, Gol Park, Kolkata

Venue: Ramakrishna Mission Institute of Culture, Gol Park, Kolkata (Vivekananda Hall)

A total of 300 plus people participated in the webinar. The YouTube link of the seminar is

https://youtu.be/T7ICnPiK_NY?si=0tirbXYjRFxQQ021

Immersion Programs

- **One-day immersion program for students of IIT Kharagpur, 10 September 2023**

On 10 September 2023 the Division of Indian Knowledge Systems (IKS) at the Indian Institute of Technology (IIT), Kharagpur, came for a one-day 'Immersion

Programme' with about 100 students who are taking the course 'Gnostic Foundations of Yoga'. The immersion aimed at providing the students with a hands-on experience on the various paths of yoga, encompassing bhakti, jñāna, rāja, karma, and hatha yoga in their manifested forms. This immersive journey is aimed to enhance understanding through swādhyāya (self-study), observations, and engaging interactions with sādhas (spiritual practitioners) and volunteers from the Ramakrishna Order at Belur Math and Ramakrishna Mission Vivekananda Educational And Research Institute (RKMVERI), Belur.

PROGRAMME on 10-September-2023

At Saradananda seminar hall (1.00pm - 2.30 pm)

- 1.00pm-1.05pm Welcoming the IIT team and introducing the monk-speakers -- Swami Vidyapradananda
 - 1.05pm-1.25pm (Including 5 min Q&A) - Synthesis of Four Yogas- Swami Vivekananda's Vision , Swami Atmapriyananda, Pro-Chancellor RKMVERI
 - 1.25pm - 1.50 pm (Including 5-10 min of Q&A) Science of Patanjali Yoga - Swami Sarvottamananda, Vice Chancellor, RKMVERI
 - 1.50pm - 2.15 pm (Including 5-10 min of Q&A) : Yoga Techniques for Lifestyle Transformation - Swami Kaleshananda, Registrar, RKMVERI
 - 2.15pm -2.30pm : Science of Pranayama - Swami Vidyapradananda, Dy Registrar, RKMVERI
 - At Brahmananda meditation hall (2.30pm-3.30 pm) Guided meditation by Swami Kaleshananda
 - 3.45pm - 4.45pm – Yoga Practice at Yoga Hall
 - 5.00 pm – group photo
-

● One-day immersion program for students of IIT Kharagpur, 31 March 2024

As in the previous years, the Division of Indian Knowledge Systems (IKS) at the Indian Institute of Technology (IIT), Kharagpur, brought about 30 students for a one-day 'Immersion Programme' for the newly admitted students of the IIT in the holy precincts of Belur Math. Revered Swami Bhajananandaji Maharaj, Vice-President of Ramakrishna Math and Ramakrishna Mission, kindly inaugurated this programme with his words of benediction and inspiration.

PROGRAMME DETAILS

Date: 31 March 2024 (Sunday)

MORNING SESSION

Time: 8.45—10.00 AM

Venue: Saradananda Seminar Hall, Prajna Bhavan

- Invocation: Vedic Shanti mantras—Students of the Sanskrit Dept. (5 mins.)
 - Welcome and Introductory Remarks: Swami Sarvottamananda, Vice Chancellor (10 mins.)
 - About the 'Immersion Programme' introduced for the newly admitted students of the IITs and other technical institutes by the Govt. of India—its significance:
Prof Richa Chopra, Core Faculty, Centre of Excellence for Indian Knowledge Systems (IKS), IIT Kharagpur (10 mins)
 - Knowledge-power attained by purity, concentration and meditation: Revered Swami Bhajanandaji Maharaj, Vice-President, Ramakrishna Math and Ramakrishna Mission, Belur Math, West Bengal (35 mins.)
 - Interaction (Q & A): 15 mins.
-

AFTERNOON SESSION

Time: 2.00—4.00 PM

Venue: Saradananda Seminar Hall, Prajna Bhavan

- Invocation: Vedic Shanti mantras—Students of the Sanskrit Dept. (10 mins.)
- Scientific approach to the Indian Knowledge Systems in the modern age of science and technology: Brahmachari Bodhi Chaitanya (Dripta Maharaj), Asst. Professor, Dept. of Mathematics & Asst. Registrar, RKMVERI (20 mins.)
- Study and Research in Yoga-Vedanta by the students of science and technology—why and how: Swami Vidyapradanandaji, Asst. Professor, Dept. of Computer Science and Data Science & Deputy Registrar, RKMVERI (20 mins.)

- How scientific is the Paninian Sanskrit grammar—discussion in the common man’s language: Swami Japasiddhanandaji, Head of the Dept. of Sanskrit and Philosophy, RKMVERI (15 mins)
- Chairman’s address: Three pillars of education for character-building—truthfulness, purity, selflessness—*sine qua non* of the modern educated youth: Swami Sarvottamanandaji, Vice Chancellor, RKMVERI (25 mins)

Photos of the event: https://drive.google.com/drive/folders/1YwaxGrM-teY3duDPdAQ_K0soesdiv6_B?usp=sharing

Research projects

The VIVEK-CHATAK center is currently pursuing following projects

Title of project	Investigators
Effect of Vedic Chanting on Brain Oscillatory Waves	Dr Arkadeb Dutta (PI), Assistant Professor, Department of Sports Science and Yoga, and Swami Japasiddhananda (coPI) Head, Department of Sanskrit and Philosophy

Proposed work

Oscillatory activities in the brain represent our cognition and behaviour. The oscillations coordinate neural connectivity for different cognitive processes. The potential functional relevance of these oscillation during Vedic chanting is unknown. Vedic or Sanskrit Stotra chanting are identified as the mental states or vrittis (मनोवृत्तित्वेमन्त्राणाम्, वृत्तिरेव आवर्त्यत इति मानसो जप उपपद्यते, T.U, Brahmanna Valli 3.1). It is said that vrittis are instated by yajurmantras. Yajur mantras are knowledge of the Self which is manifested as vrittis through wishful, volitional repeated utterances with organs of articulation, producing meaningful sound with intonation, words, sentences and further through its perception an individual recreates positive thoughts and emotion. We hypothesize that rhythmic articulation of Vedic Stotra may cause robust coordination of brain waves across different

brain regions relevant for neural connectivity underlying improved cognitive skills. Earlier a brain neuro-imaging study in individuals reading Devanagari scripts showed involvement of both the fronto-parietal hemispheres. Our primary objective is to see the oscillatory patterns in these areas. And if any conserved oscillatory signature exists in chanting, then our second objective will be to find its relevance to daily cognition.

Plan of Execution

The participants from the Department of Sanskrit and Philosophy, RKMVERI, Belur Math Campus enrolled in a five-year integrated M.A. Program in Sanskrit under traditional

Sanskrit teaching learning model are recruited voluntarily.. Students with four-five years of chanting practice will undergo electroencephalographic (EEG) recording while they perform Vedic chanting. A five-minute baseline EEG, on-chanting EEG and a five-minute post-chanting EEG will be recorded in a session in each subject. EEG will be repeated in three sessions, each on different days for each volunteer. Later at some point, tasks related to testing memory and attention will be tested in these volunteers. The cognitive tests will last for maximum 30 minutes for each subject. Analysis of the EEG data and memory-attention tests will be performed followed by suitable statistical analysis to understand the brain oscillatory pattern and its relevance to cognition.

Title of project	Investigators
Cognition in Sleep :Yoga-Vedanta vs Scientific Evidences	Swami Vidyapradananda Assistant Professor, Department of Sports Science and Yoga, and Dr Ravindra Pinna Additional Professor Centre for Consciousness Studies NIMHANS Bangalore

Proposed work

Sleep is an interesting phenomena that has been studied from various perspectives, such as medical science, psychology and consciousness studies, as well as philosophy. Vedanta and Yoga - the two important schools of Indian thought have presented differing viewpoints as to what happens to the Jiva during sleep. The viewpoint of the Upanishads is

that the mind does not function during sleep and prana alone is said to be the chief functioning element, whereas the view of Yogic texts is that there is a special kind of functioning of the mind during sleep, along with the functioning of the prana. Upanishads say that during sleep the mind becomes free from diversity of objects and their perceiving subjects and continues to be a mere mass of consciousness. The vital force engulfs the sense organs and the functions of the mind. The mind is then tethered, as it were, to the prana. During deep sleep, the prana is said to go to its seat Brahman and hence a person enjoys bliss. The vital force also keeps the body alive both in dream sleep and deep sleep states.

On the other hand, the viewpoint of the Yogic texts is that although there is no awareness of external objects, sleep is not a state of complete mental void, but a state where there is internal consciousness. This special type of modification of the mind is associated with object-less cognition and memory. So, there is mind function along with the functioning of the prana.

Modern evidence show that although sleep is not a cognitive state, there is a detrimental effect of sleep deprivation, especially on attention, working memory and cognitive throughput reduce progressively over days of sleep deprivation. Sleep deprivation impairs hippocampal memory function and moreover creative and innovative aspects of cognition are negatively affected

Plan of Execution

Part 1: Developing a theoretical in depth understanding on the cognitive state of mind during sleep - based on Yoga-Vedanta. An article - "*Functions of Mind and Prana During Sleep: Yoga vs Vedanta*" has already been written as a part of research collaboration and knowledge sharing activity under the MoU with CCS-NIMANS.

Part 2: Conducting experiments to determine the sleep related brain constructs that affect memory and cognition, especially study of deep sleep's slow cortical oscillations, thalamo-cortical spindles, and sharp hippocampal ripples which form the neural bases for memory consolidation.

Courses

The VIVEK-CHATAK center is currently offering following Certificate courses which deal with the Yoga-Vedanta view of consciousness

Name of course	Teacher	Location	Online/ offline
Kathopanishad	<u>Swami</u> <u>Atmapriyananda</u>	RMIC Golpark, Kolkata	Offline
Mandukya Upanishad	<u>Swami</u> <u>Atmapriyananda</u>	Ramakrishna Mission Saradapitha, Belur Math	Offline
Mahanarayana Upanishad	<u>Swami</u> <u>Atmapriyananda</u>	RKMVERI Belur Math	Offline
Yoga Upanishads	<u>Vidyapradananda</u>	RKMVERI Belur Math	Offline

MoU

The VIVEK-CHATAK center signed MoU with the Centre for Consciousness Studies, NIMHANS Bangalore in November 2021 to conduct research in the area of consciousness studies from the dual angle of modern neuro-scientific theory and yoga-vedanta perspectives, to find detailed understanding on human brain, mind and behaviour, specifically on neuro-physiological, psychological, cognitive and manifested molecular aspects in diversified human subjects

Mission

- i To build a platform for multidisciplinary research in the domains of science, humanities and culture pertaining to consciousness by integrating Indian philosophical wisdom with neuroscience,
- ii To undertake research studies to demonstrate the importance of tradition-based meditation techniques on consciousness and well-being,
- iii To provide leadership in the domains of mind- brain – self and consciousness by creating opportunities for young scientists, faculty and visiting faculty,
- iv To promote teaching and learning activities in various domains of consciousness,

- v To undertake yoga and meditation-based intervention approaches into neuro-psychiatric clinics for a holistic approach for research and patient care,

Objectives

- Running and conducting of academic programmes including research and teaching, seminars and symposia,
- Bringing out publications of common interest
- Development and implementation of collaborative research projects in the areas of common interest and methodology

Activities during 2020-2-24

- One-day Webinar on Consciousness Studies and Research: Ancient and Modern - **30 July 2020** ([details here](#))
- One-day Webinar on the Four Yogas: Ancient Scriptures & Swami Vivekananda's Modern Interpretation on **22 August 2020** ([details here](#))
- Swami Atmapriyanandaji delivered a keynote address on *Space-Time-Matter-Consciousness-Continuum--Ancient Philosophical and Modern Scientific Perspectives*" the webinar on 'Concepts of Consciousness: Neuroscience and Indian Philosophical Perspective', organized by CCS-NIHMAHS on 28 September 2021
- Swami Vidyapradananda spoke on "*Consciousness during sleep*" in the webinar on 'Concepts of Consciousness: Neuroscience and Indian Philosophical Perspective', organized by CCS-NIHMAHS, on 29 September 2021

6) CENTRE FOR STUDY AND RESEARCH ON VEDA-VEDANTA, YOGA (VIVEKA-VYASA—VEDA-VEDANTA ADHYAYANA-SAMSHODHANA-ALAYA)

The Department of Sanskrit and Philosophy, School of Indian Heritage, conducted several activities through its Interdisciplinary Centres for Study and Research, like:

1. Certificate Course
2. Special Lectures
3. Extension Lectures
4. Workshops
5. Publications

The details of the above mentioned activities are given below:

1. Certificate Course

Sl.	Name of the course and other details	No. of Students	Teaching hours
1.	Preliminary, Communicative Sanskrit offline (Apr – Oct 2023) (at Nivedita Bhavan)	9	63
2.	Preliminary, Communicative Sanskrit online (Apr – Oct 2023) (from Nivedita Bhavan)	70	66
3.	Intermediate, Communicative Sanskrit online (Jan-Jun 2024) (from Nivedita Bhavan)	16	39
4.	Samskṛta-Śāstrādhyayana-1 (for monastics only)	36	31

2. Special Lectures

Sl.	Topic	Duration	Resource Person	Participants
1	<i>Śrīmad-bhāgavatam</i> (series of Special Lectures titled <i>Śrīmadbhāgavata-rasāsvādanam</i>)	2 days (One and half hours each day on 15 and 16 August 2023)	Prof.Narottam Senapati, Deptt. Of Sanskrit, Pali and Prakrit, Visva-Bharati	80 (BA, MA students, research scholars, teachers, and monks)
2	<i>Nārayaṇīye Śrīmadbhāgavatakathā</i> (series of Special Lectures titled <i>Śrīmadbhāgavata-rasāsvādanam</i>)	3 days (One hour each day on 28, 29 and 30 August 2023)	Dr.K.Unnikrishnan Retd. Vice-Principal, Government Sanskrit College, Thiruvananthapuram, Kerala	80 (BA, MA students, research scholars, teachers, and monks)
3	Advaita - the One and Many'	27 November 2023, from 3.30 to 5.00 PM	Prof. Anantanand Rambachan, Professor Emeritus of Religion, Saint Olaf College, Northfield, Minnesota,	80 (BA, MA students, research

Sl.	Topic	Duration	Resource Person	Participants
			United States	scholars, teachers, and monks)
4	The Content of the Vedas - <i>Ṛtam</i>	15 December 2023, Friday from 11 am to 12.45 pm	Pujaniya Swami Padmanbhanandaji Maharaj, Vice-President of Rishikesh Sivananda Ashrama, The Divine Life Society	80 (BA, MA students, research scholars, teachers, and monks)
5	<i>Kālagāṇanā: Vaidikī Paddhatiḥ</i> (Calculation of Time: The Vedic Way)	28 Feb 2024, Wednesday from 3 pm to 4.30 pm	Prof. N.K. Sundareswaran, Professor, Department of Sanskrit, University of Calicut	91 (BA, MA students, research scholars, teachers, and monks)
6.	Vedanta and Indian Aesthetics (<i>Alarikāraśāstra</i>)	28 March 2024, Thursday, from 2 pm to 4.30 pm	Śatāvadhānī R Ganesh, Bengaluru	91 (BA, MA students, research scholars, teachers, and monks)

3. Extension Lectures

Sl.	Topic	Duration	Resource Person	Participants
1	<i>Vaiyākaraṇabhūṣaṇasāra</i>	17 days (Two hours each day from 06 July to 22 July 2023)	Prof.Sripada Subrahmanyam, Professor of Sanskrit and Dean (Rtd.), Telugu University	15 (MA students, research scholars, and teachers)
2	The chapter on Rasa in	2 days (Two hours each day on 29, 30 Aug 2023)	Dr.K.Unnikrishnan	26

Sl.	Topic	Duration	Resource Person	Participants
	<i>Sāhityadarpaṇaḥ</i> <i>Dhvanyālokaḥ</i> with the <i>locana</i> gloss from the beginning		Retd. Vice-Principal, Government Sanskrit College, Thiruvananthapuram, Kerala	(BA, MA students of the programme <i>MA Integrated in Sanskrit</i>)
3	<i>Vaiyākaraṇabhū ṣaṇasāra</i>	5 days (Four hours each day from 24 to 28 September 2023)	Prof.Dattatreya Murthy, Sri Jagannath Sanskrit University, Puri	15 (MA students)
4	<i>Taddhitaprakar aṇam</i> in <i>Vaiyākaraṇa- siddhānta- kaumudī</i>	10 days (One hour each day from 18 January 2024 to 29 February 2024 from 7 pm to 8 pm, every Tuesday, Wednesday, and Thursday)	Prof. Shivaram Ramakrishna Bhat, Professor and Head of the Department, Department of Research and Publications, National Sanskrit University, Tirupati	11 (4yr and 5yr Vyakarana students)
5	<i>Dvandva- samāsa</i>	3 days (Two hours each day on 18, 19, and 20 January 2024 from 7am to 9 am)	Prof. Shivaram Ramakrishna Bhat, Professor, National Sanskrit University, Tirupati	33 (2yr and 3yr students)
6	<i>Paribhāṣenduṣe khara</i>	3 days (one and half hours each lecture on 18, 19, and 20 January 2024 from 3 pm to 4.30 pm)	Prof. Shivaram Ramakrishna Bhat, Professor, National Sanskrit University, Tirupati	11 (4yr and 5yr Vyakarana students)
7	Technical Terms in <i>Nyāya-śāstra</i>	5 days(23 January 2024 to 27 January 2024 from 7 am to 9 am)	Dr. Pushkar Deopujari, Assistant Professor in Vedanta, Calicut Adarsha Sanskrit Vidyapeetha, Balussery Kozhikode,	53 (2yr to 5yr students)

Sl.	Topic	Duration	Resource Person	Participants
			Kerala	
8	<i>Vedāntaparibhāṣā</i>	5 days (23 January to 27 January 2024 from 2.30 pm to 4.30 pm)	Dr. Pushkar Deopujari, Assistant Professor in Vedanta, Calicut Adarsha Sanskrit Vidyapeetha, Balussery Kozhikode, Kerala	19 (3yr, 4yr and 5yr Students)
9	<i>Taittirīyopaniṣad (Brahmānandavallī)</i>	15 days (One hour each day from 26 February 2024 to the first week of May 2024, 2 pm to 3 pm)	Dr. Vishwanath Hegde, Assistant Professor, Sringeri Campus, Central Sanskrit University	6 (5yr students)
10	<i>Brahmasūtra with Śāṅkarabhāṣya (4th chapter)</i>	8 days (One hour each day from 26 Feb to 02 Mar 2024 and 14 Mar to 8 Apr 2024 every Mon–Tue–Thu, 3 pm to 4 pm)	Sri. N Kuvalaya Datta, teacher in Samaveda and Advaita Vedanta, Sri Ganapathy Sachchidananda Veda Pathashala, Avadhoota Datta Peetham, Mysore	6 (5yr students)

4. Workshops

Sl.	Topic	Duration	Resource Person	Participants
1	International Workshop in <i>Praṣṭhamānandamā (kārakaprakaraṇam)</i>	15 days (Two hours each day from 6 July 2023 to 22 July 2023)	Prof.Sripada Subrahmanyam, Professor of Sanskrit and Dean (Rtd.), Telugu University, Hyderabad	70 (MA students, research scholars, and teachers)
2	International Workshop in <i>Tattvapradīpikā (Citsukhī)</i>	26 days (One hour 15 minutes each day from 10 July 2023 to 10 August 2023)	Dr.Maheswaran, Assistant Professor, The Madras Sanskrit College, Chennai	70 (MA students, research scholars, teachers, and

Sl.	Topic	Duration	Resource Person	Participants
				monks)
3	International Workshop in <i>Mahābhāṣyam</i> (<i>Paspaśāhnikam</i>)	38 days (One and half hour each day from 31 July 2023 to 16 September 2023 from 7.15 pm to 8.45 pm and 20 September 2023 to 10 October 2023 from 7 am to 8:30 am)	Dr.Padmanabham, Assistant, Professor, Central Sanskrit University, Sringeri Campus	89 (MA students, research scholars, and teachers)
4.	Advaita-Siddhi Selected portions like <i>jaḍatva-hetuvicāra</i> in the first pariccheda	17 days (one hour each day from 23 Jan 2024 to 29 Feb 2024, 7 pm to 8 pm, Monday to Thursday every week)	Dr.Pushkar Deopujari, Assistant Professor in Vedanta, Calicut Adarsha Sanskrit Vidyapeetha, Balussery, Kozhikode, Kerala	15 (5yr Vedanta Student, research scholars etc.)
5.	<i>Vaiyākaraṇa-siddhānta-kaumudī</i> (starting from <i>sannantaprakaraṇam</i>)	15 days (on hour each day from 12 February 2024 to 20 March 2024, 8 pm to 9 pm, Monday to Thursday every week)	Prof. Chandrashekar Bhat, Professor and Head of the Department, Department of Vyakarana, Sringeri Campus, Central Sanskrit University, Sringeri,	28 (Students, research scholars, monks)

5. Publications

5.1. In the Publication Cell at Belur Main Campus

- 5.1.1. Subhāṣita (3+80+7 pages, Price- 60/-) (Formatting in Latex, proof reading)
- 5.1.2. Samādhi (Formatting in Latex, proof reading)
- 5.1.3. Laghuvāsudēvamananam (Ongoing) (Proof reading)
- 5.1.4. Śāṅkaraprasthānatraya-samvandhabhāṣyasamigraha (Proof reading)

- 5.1.5. Dīpaśikhā (pañcamaḥ anikaḥ) (online Journal) (Formatting, proof reading)
- 5.2. In the off campus centre at Nivedita Bhavan
- 5.2.1. Vedamūrti-śrīrāmakṛṣṇaḥ - (Typing, formatting in Latex, proof reading)
- 5.2.2. Samādhi (Typing, formatting in Latex, proof reading)
- 5.2.3. Yōgēr kathā - svāmī yatīśvarānanda (Typing, formatting in Latex, proof reading)
- 5.2.4. Īśopaniṣad – Brahmācārī-Medhācaitanya – 13 Feb 2024 (Ongoing)
- 5.2.5. Yugācārya-Vivēkānanda - 11 July 2023 (Ongoing)
- 5.2.6. Vēdāntadarśanam – Translation (Ongoing)

A REPORT OF EXTENSION / OUTREACH ACTIVITIES OF THE UNIVERSITY

The University conducts the following extension / outreach activities:

- (i) Certificate Courses in Indian Spiritual Heritage
- (ii) Vivekdisha Programme
- (iii) Krishi Vigyan Kendra – A Project of ICAR
- (iv) Loka Siksha Parishad – An Integrated Rural Development Project

(i) CERTIFICATE COURSES IN INDIAN SPIRITUAL HERITAGE

S. No.	Name	Duration	Teacher	Medium of Instruction	No. of Students
1	Bhagavad Gita (Traditional and Modern Interpretations)	Two years	Swami Shivapurnananda	Bengali	65
2	Bhakti-Yoga of Swami Vivekananda	One year	Swami Shastravidyananda	Bengali	17
3	Fundamentals of Indian Spiritual Heritage	Two years	Swami Samarpanananda	Bengali	55
4	Jnana-Yoga of Swami Vivekananda	One year	Swami Amiteshananda	Bengali	105
5	Kenopanishad	Two years	Swami Amiteshananda	Bengali	47
6	Life and Message of Sri Ma Sarada Devi	Two years	Swami Devatwananda	Bengali	40
7	Life and Teachings of Swami Vivekananda	One year	Swami Devatwananda	Bengali	43
8	Mahanarayana Upanishad	Two years	Swami Atmapriyananda	Bengali	170
9	Meditation and Viveka-Chudamani (selections)	One year	Swami Kaleshananda	Bengali	56
10	Meditation, Patanjali Yoga Sutra and Raja Yoga of Swami	One year	Swami Kaleshananda	Bengali	131

	Vivekananda (Sadhana Pada) (selections)				
11	Puja-Tattva	Two years	Swami Sarvabhadrananda	Bengali	81
12	Sri Ramakrishna Parshad Prasanga	Two years	Swami Devatwananda	Bengali	46
13	Sri Sri Ramakrishna Lila Prasanga	Two years	Swami Devatwananda	Bengali	92
14	Srimad Bhagavatam / Ramayana / Purana	Two years	Swami Samarpanananda	Bengali	83
15	Stotramala, Sahasra-namavali and Sri Sri Chandi	One year	Swami Shivapurnananda	Bengali	39
16	Tattvabodha – A primer to Vedanta	Two years	Swami Shastravidyananda	Bengali	16
17	Yoga Upanishadavali	Two years	Swami Vidyapradananda	Bengali	17
18	Certificate Course in Yoga (Theory and Practical)	Six months	Yoga Department	Bengali / Hindi	7
	Total				1110

(ii) VIVEKDISHA PROGRAMME

Vivekdisha is a unique service and outreach activity of the Ramakrishna Mission Vivekananda Educational and Research Institute. It provides a range of services, including free online classes conducted via Zoom, specifically designed for school students in grades/classes 7 to 12. Alongside these classes, Vivekdisha also organizes youth camps that foster human values and conducts research and development in cutting-edge fields such as Artificial Intelligence (AI), Internet of Things (IoT), and Mixed Reality (MR).

Since its inception on July 4, 2008, spanning over 16 years, Vivekdisha has been dedicated to providing educational opportunities tailored specifically for school students from diverse backgrounds, including those in rural and urban areas. The Vivekdisha programme focuses on providing supplementary and concept-fixing teaching in various subjects, along with values education and emerging subjects of contemporary relevance to society, to school children.

In 2023-24, Vivekdisha offered 382 free online classes conducted via Zoom for students in Classes 7 to 12 (both rural and urban), recording 55,074 student attendances benefiting 8456 students from 14 schools, which cover both urban and rural students of 7 districts of West Bengal. The program offered instruction in 11 subjects (Physics, Chemistry, Mathematics, Biology, English, Indian Constitution, Values Education, AI, etc.) by approximately 13 subject experts. Classes were held 5 days a week from 11:30 am to 3:50 pm, with each class lasting 40 minutes.

Activities:

1) Online Classes for School Students:

The supplementary online classes offered covered the following subjects, mostly through multimedia presentations such as texts, pictures, animations, and visual clips, aiming to make the teaching-learning process effective, joyful, and fruitful.

Sl	Grades/Classes	Subjects
1	7, 8 & 9	Values Education based on Swami Vivekananda's teachings in the modern age
2	9 & 10	Physical Science, Life Science, Mathematics, English
3	11 & 12	Physics, Chemistry, Mathematics, Biology, English
4	9 & 11	Constitution of India

5	9, 10, 11, 12	'The Fundamentals of Artificial Intelligence and Robotics' course (Newly introduced course in the vernacular—Bengali), specially designed and video-recorded by a specialist professor in this subject from Indian Institute of Technology (IIT), Kharagpur
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The medium of instruction includes Bangla, and English.

List of the Teaching Faculty Members:

Sl. No.	Name	Designation	Subject taught
1	Swami Atmapriyananda	Pro-Chancellor, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	Values Education
2	Swami Shastravidyananda	Controller of Examinations, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	Values Education
3	Dr. Gautam Chatterjee	Assistant Professor, Agricultural Biotechnology Department, IRDM Faculty Centre, Ramakrishna Mission Vivekananda Educational and Research Institute, Narendrapur Campus	Biology for class XI
4	Dr. Kunal Sikdar	Assistant Professor, Department of Biomedical Science and Technology and Department of Sports Science & Yoga, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	Biology for class XII

5	Dr. Janardan Ghosh (upto October 2023)	Teaching and Research Associate, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	General English (Communication, Grammar & Literature) for class IX & X
6	Dr M A Balasubramania (from January 2024)	Advisor, Swami Vivekananda Youth Movement, Mysore, India	Communicative English for class IX to XII
7	Dr. Arnab Das	Assistant Professor Department of Sports Science & Yoga Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	Life Science for class IX & X
8	Sri Rabindranath Dhara	Retired Professor, Ramakrishna Mission Vidyamandira, Belur Math	Chemistry for class XI & XII
9	Sri Akshay Panda	Lab. Cum Teaching Assistant, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	Physical Science for class IX & X
10	Sri Tathagata Roy	Lab. Cum Teaching Assistant, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	Physics for class XI Physics and Mathematics for class XII
11	Sri Sanu Bera (Upto July 2023)	Ph. D. Scholar, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	Mathematics for class X
12	Sri Snehasish Mukherjee (Upto July 2023)	Ph. D. Scholar, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	Mathematics for class IX & XI

13	Sri Arka Bhattacharyya (Period : July 2023 to February 2024)	Ph. D. Scholar, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	Mathematics for class X & XII
14	Sri Deeponjit Bose (Period : July 2023 to February 2024)	Ph. D. Scholar, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	Mathematics for class IX & XI
15	Miss Parvin Sultana (from March 2024)	Student of M.Sc. Mathematics, Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math	Mathematics for class IX,X,XI & XII
16	Sri Uttam Kumar Das	State aided College Teacher, Ramakrishna Mission Vidyamandira, Belur Math	Indian Constitution for class IX
17	Sri Sourav Chakraborty	Guest Faculty of Political Science Department, Ramakrishna Mission Residential College, Narendrapur	Indian Constitution for class XI

Schools Covered by Vivekdisha:

Sl. No.	Name of the schools	Category	Address
1	Nimpith Ramakrishna Vidyabhavan	Higher Secondary	PO - Nimpith Ashram, Dist. - South 24 Parganas, Sundarban, Pin - 743338
2	Konnagar Rajendra Smriti Vidyalaya	Higher Secondary	PO - Konnagar, Dist. - Hooghly, West Bengal
3	Dwarbasini Girls High School HS	Higher Secondary	Vill. - Dwarbasini, Pandua, Dist. - Hooghly, Pin - 712149, West Bengal
4	Bergram Palli Sevaniketan High School (H.S.)	Higher Secondary	Vill. & PO - Bergram, Via - Sriniketan, Dist. - Birbhum, Pin - 731236, West Bengal
5	Chakdwipa High School	Higher	PO - Chakdwipa, Dist. - Puba Medinipur,

		Secondary	Pin – 721645, West Bengal
6	Shibpur SSPS Vidyalaya	Higher Secondary	78/8, College Road, PO – Botanical Garden, Howrah – 711103, West Bengal
7	Begampur High School	Higher Secondary	PO – Begampur, Dist. - Hooghly, Pin – 712306, West Bengal
8	Borai Balika Vidya Mandir	Secondary	PO – Borai, PS – Singur, Sub Division – Chandannagar, Dist. - Hooghly, Pin – 712306, West Bengal
9	Bolpur High School	Higher Secondary	Sriniketan Road, Darjipara, Bolpur, Pin – 731204, West Bengal
10	Masat Aptap Mitra High School	Higher Secondary	PO – Masat, Dist. - Hooghly, Pin – 712701, West Bengal
11	Nasigram High School	Higher Secondary	PO – Nasigram, Dist. - Bardhaman, Pin – 713166, West Bengal
12	Serampore Girls' High School	Higher Secondary	8, Jitendranath Lahiri Road, Battala, Serampore, Hooghly, Pin – 712201, West Bengal
13	Bansberia Municipal High School	Higher Secondary	PO – Shibpur, Tribeni, Dist. - Hooghly, Pin – 712503, West Bengal
14	Nawabganj Balika Vidyalaya	Higher Secondary	PO – Ichapur, Nawabganj, Dist. - North 24 Parganas, Pin 743144, West Bengal

2) Other Activities of Vivekdisha During 2023-24:

2.1 Introduction of a New Subject 'Artificial Intelligence and Robotics':

In January 2024, Vivekdisha introduced a new subject, 'Artificial Intelligence and Robotics,' in Bengali medium, aligning with the National Education Policy (NEP) 2020 of the Government of India, which emphasizes teaching science subjects in vernacular mediums. This emerging subject was taught by Prof. Dilip Kumar Pratihar, a subject expert from the Indian Institute of Technology, Kharagpur. The classes, scheduled for three months, aim to cultivate students' interest and motivate them to pursue further studies in this field.

2.2 Provision of Recorded Class Links on the University Website:

All Vivekdisha classes were recorded, and the video links are available on our university website for students' future reference. These links enable students who have missed classes, as well as others who didn't or couldn't join the Vivekdisha Network for various reasons, to view and review the content at any time of their choice.

2.3 Online Classes from Nivedita Bhavan (near Swami Vivekananda's Ancestral House):

Preliminary and Intermediate Certificate Courses in Communicative Sanskrit were regularly conducted in both online and offline modes from Nivedita Bhavan (Ramakrishna Mission Swami Vivekananda's Ancestral House and Cultural Centre). These courses were open to anyone interested, aiming to foster an interest in Sanskrit and Indian Cultural and Spiritual Heritage.

2.4 Technical Problem Resolution for Schools under Vivekdisha:

Throughout the financial year, our technical team had been fixing problems that keep arising in regard to computers, projectors, amplifiers, wireless microphones, laptops, UPS, etc. During the period under report, six schools who reported technical issues were assisted and the problems fixed in order to ensure the smooth continuation of Vivekdisha online classes.

2.5 Meeting of Headmasters/Representatives of Schools under Vivekdisha:

A meeting was held with the Headmasters/Representatives of the schools at the Belur Main Campus of the University on 5 January 2024, conducted in a hybrid mode (online + offline) to discuss various issues aimed at addressing the various issues in regard to enhancing the effectiveness of Vivekdisha classes.

2.6 Vivekdisha Publication Work and Distribution of Materials:

Ongoing efforts include the reprinting/revised editions of some old books on values education and the publication of Vivekdisha materials on science for the benefit of school children. Additionally, the publication of books based on scriptures like the Mahabharata, which is a mine of wisdom, has been undertaken. Two volumes of the famous 'Yaksha Prashna' from the Mahabharata, with original Sanskrit and simple Bengali translations, have already been published.

As in previous years, Vivekdisha printed and distributed annual calendars containing all the festivals of various religions, festivals celebrated in the Ramakrishna Mission, national festivals, etc, so that it becomes possible to frame a common academic calendar for all the

schools under the Vivekdisha educational programme. Additionally, books on value education by Swami Vivekananda and on character building were purchased for competition and distribution among the school children.

2.7 Free Residential Youth Camps:

The first youth camp, held from 14 to 17 September 2023, was residential, whereas the subsequent camp, held on the 2nd and 3rd of October 2023, was non-residential. The objective was to inspire youth with the nation-building and life-building ideas of Swami Vivekananda and to inculcate higher human values, knowledge of Indian heritage including Yoga, concentration, and meditation among college-level youth. A total of 60 participants from the districts of North 24 Parganas, South 24 Parganas, Nadia, Purulia, Malda, and Purba Medinipore registered for these camps, and all were accommodated. The camp participants followed a rigorous routine that included morning and evening prayers, yoga sessions, discourses, classes, games, and informal interactions.

2.8 Free Yoga Youth Camps:

Two Youth Yoga Camps were conducted from 27 to 31 March 2024 with the assistance of the Department of Sports Science and Yoga at RKMVERI. The aim was to scientifically educate and train youth in yogic practices such as asana, pranayama, bandha, mudra, and meditation.

The first camp, held on 27 March 2024 at Kangsabati Guccha Samity, Debra, Paschim Midnapore, attracted a total of 100 participants, comprising boys and girls aged 10-18 and 18-30. The second camp took place on 29 March 2024 at Sri Sri Sarada Ramakrishna Ashram, Hotar, South 24 Pgs, with another 100 participants from the same age groups.

Both camps included separate Yogasana competitions for boys and girls in the two age groups, with prizes (yoga mats and books) distributed to all participants and their parents/guardians.

Additionally, a one-day Immersion Program was conducted on 31 March 2024 for 30 students from IIT Kharagpur at our University campus in Belur.

All participants of the three yoga camps received yoga and values education-related books.

2.9 Artificial Intelligence (AI), Internet of Things (IoT), and Virtual and Augmented Reality (MR or Mixed Reality) related work:

In 2023, an ambitious project was initiated to create awareness and provide basic knowledge of the latest trends in AI, IoT, and MR to school children. The AIoT & MR laboratory, established in 2023-24, has developed a Question-Answer AI Platform for Swami Vivekananda's life and teachings using Azure Open AI. In addition, a variety of

projects leveraging AI-IoT and MR technologies are currently underway. These include the 3D scanning of heritage artifacts and buildings associated with Swami Vivekananda, the development of a Generative AI Platform for the digital publications of the Ramakrishna Math and Mission, assistive care solutions for dementia patients, and research in disaster management and environmental protection.

2.10) Vivekdisha Programme Outcomes:

- Development of comprehensive science modules to simplify challenging concepts.
- Provision of exam preparation support to enhance performance with confidence.
- Improvement of communication and language skills, in particular English language proficiency.
- Integration of a value-based education curriculum.
- Promotion of awareness regarding the basics of the Constitution of India so that the children grow up as responsible citizens with knowledge of the Constitution.
- Fostering Indian cultural and spiritual heritage awareness.
- Facilitation of personal growth and the development of life skills.

These outcomes are designed to empower students, enabling them to make positive contributions to society.

Furthermore, this online program has been instrumental in building students' self-confidence, contributing to the creation of a skilled workforce, and bridging the digital divide between urban and rural areas.

Acknowledgment of Grants for Vivekdisha during 2023-2024:

RKMVERI is thankful to Ernst & Young Foundation (India) and Tata Steel Downstream Products Limited (TSDPL) for supporting the Vivekdisha programme financially for the year 2023-2024.

(iii) KRISHI VIGYAN KENDRA (KVK) – A PROJECT OF ICAR

KVK is a project of the Indian Council of Agricultural Research (ICAR) which is the apex body for coordinating, guiding, and managing research and education in agriculture in the entire country. It aims to work for the benefit of the farmers, to make available the discoveries made by the scientists in their laboratories to the farmers in their lands. To implement the mandates (i.e. technology assessment and demonstration for its application and capacity development), the following activities are envisaged by the KVK:

- A) On-farm testing/trials (OFT): Assessing the suitability and effectiveness of agricultural technologies in different farming systems, considering the specificities of each location.
- B) Frontline demonstration (FLD): Showcasing the production potential of various technologies on farmers' fields, establishing their viability and practicality.
- C) Capacity development: Equipping farmers and extension personnel with updated knowledge and skills in modern agricultural technologies through training programs.
- D) Knowledge and Resource Centre: Serving as a hub of agricultural technologies to support the efforts of the public, private, and voluntary sectors in enhancing the agricultural economy of the district.
- E) Farm advisories: Providing valuable guidance and information to farmers through Information and Communication Technologies (ICTs) and other media platforms, covering a wide range of subjects relevant to their interests.

In addition, KVK is also involved in producing quality technological products like seeds of cereals, pulses, oilseeds and fodder crops, planting materials, livestock and fishery materials, vermi-compost, Tricho-compost, different liquid manures etc., and also covering different ongoing schemes and programmes within the mandates of the KVK.

Currently, our University operates following two KVKs that have been granted by the ICAR.

- (i) 'Sasya Shyamala' KVK, situated at Arapanch, operating through the Ramakrishna Mission Ashrama, Narendrapur Centre, 24-Parganas District.
- (ii) 'Dhaanyaganga' KVK, operating through the Ramakrishna Mission Ashrama, Sargachhi, Murshidabad District.

(iii a) REPORT OF SASYA SHYAMALA KRISHI VIGYAN KENDRA (KVK)

INTRODUCTION

Sasya Shyamala Krishi Vigyan Kendra, operating under the aegis of the Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI), established in the year 2013. It plays an active role in disseminating technologies to farmers, farm women, and rural youths. Its primary focus is on the development of the agricultural sector in the South 24 Parganas district of West Bengal. This KVK has jurisdiction over a total of 14 blocks, namely Sonarpur, Baruipur, Canning I, Canning II, Basanti, Gosaba, Budge Budge I, Budge Budge II, Bispnuur I, Bishnupur II, Falta, Thakurpur Maheshtala, Bhangore I, Bhangore II and Patharpratima. These blocks are part of the overall 29 blocks within the district. The KVK's operational area falls under distinct agro-climatic zones, namely, Costal Saline and Alluvial Zone. The KVK adheres to the ICAR (Indian Council of Agricultural Research) norms regarding staffing and the current staff strength is 16 nos. During the year 2023-24, a total of 4969 individuals benefited from a total of 132 training programmes organized by this KVK.

ON-FARM TRIALS (OFTs)

Total Number of Trials: 12

Total Number of beneficiaries: 89

Sl. No	Title	Recommendation
1	Effect of foliar application of zinc and boron on productivity and profitability of hybrid <i>rabi</i> maize	Combined application of B and Zn along with recommended NPK showed significantly ($p < 0.05$) better yield attributes, yield and profitability over single application of either B or Zn. Harvest index was lower for the same treatment, indicating higher dry matter remobilization from different vegetative plant parts to maize grain.

Sl. No	Title	Recommendation
2	Effect of potassium and zinc application on fibre yield and profitability of jute	Fibre yields were better in all technology options over farmers' practice. Application of 40 kg K ₂ O/ha + 6 kg Zn/ha recorded highest fibre yield and profitability. The same treatment also recorded highest quality of jute fibre (higher bundle strength, fineness and colour with lower moisture content). Application of 40 kg K ₂ O/ha along with 6 kg Zn/ha and recommended dose of N and P can be recommended for fertilizer management of jute crop in the study locations.
3	Response of Bio-priming in Tomato seedlings	Chemical seedlings treatment with Carbendazim 50WP @ 2.5g/ lit for 15 min. showed highest yield (63.52/ha) whereas the bio treatments also provide the significant yields. Among these two biological treatments, Priming the seedlings with Beejamrita @ 1 lit mother solution diluted with 10 lit water for 1 hr. gave better yield (57.36/ha) than other biological treatment that of Priming the seedlings with <i>T. viride</i> @ 6 g for 1 hr. and it yielded 55.4 t/ha.
4	Integration of soil and foliar nutrition in influencing the yield attributes of banana	Chemical treatment with Panchagavya spray at regular intervals showed highest yield (37.14 t/ha) whereas the chemical treatments also provide the significant yields. Among these two chemical treatments, Recommended dose of fertilizer + Sulphate of potash as foliar spray at 1.5% concentration twice, first at the time of opening of last hand, second 30 days after first spray gave an yield of 29.12 t/ha whereas the technological option-I yielded with 28.34 t/ha. The use of basal and foliar fertilizer combination along with organic based fortified combination as like Panchagavya are highly recommended for the optimum production of banana.
5	Varietal assessment with high yielding varieties of Greengram during summer season	The variety Shikha showed significantly higher grain yield per ha (10.69 q/ha), number of seeds per pods (10.40), number of pods per plant (20.80) and number of branches per plant (4.40). Net return of the variety was to be highest (Rs. 47,816.00) with high B:C ratio (2.77) with respect to others.
6	Varietal assessment	CR Dhan-510 showed significantly higher grain yield per ha

Sl. No	Title	Recommendation
	through high yielding varieties of Paddy for deep water condition	(50.71 q/ha), number of tillers per plant (32.80), number of grains per plant (105.00) and test weight (20.40 g). Net return of the variety was to be highest (Rs. 47,000.00) with high B:C ratio(1.97) with respect to other varieties.
7	Efficacy of jeevamrut and panchyagabya application to improve soil health and yield of vegetables	Jeevamrit and panchyagabya showed higher vegetable yield (374.1 g/plant). The SPAD value of leaf, soil microbial population (total bacterial count, free living N-fixing bacteria) and enzyme activity were found to be significantly higher. It also recorded high Net return with high B:C ratio (2.09) with respect to others.
8	Impact of Biopesticides on Insect pests of Aman Paddy	Spraying of NPV @ 5 g/lt at 30DAT, Neem oil 10000 ppm @ 3 ml/lt at 45 DAT performed very well in reducing leaf folder population. Spray of New generation biorational pesticide spray (Flufenoxuron 10DC @ 1 ml/l) at 30 and 45 DAT) performed well in take care of stem borer populations.
9	Management of mushroom pest through sanitation	Straw treatment with lime @ 5 g/lt along with 5 g Alum, Hot water treatment, Floor drenching with Bleaching powder 1 kg/ 100 sq ft monthly, Room sanitation with Mancozeb @ 2.5 g/lt and Quinalphos @ 2ml/ lt monthly) can reduce the infestation of different pests associated with mushroom. Results indicated that room sanitation is one of the important pre-requisites of mushroom cultivation that to be followed.
10	Locally available ingredients-based feed formulation for the successful rearing of Pabda fish culture in South 24 Parganas	Feed prepared with anti-oxidant 0.5-1.0%, protein sources 30-35%, Carbohydrates 25-30%, Fat 10 % remaining vitamins, Minerals, feed additives, binders 2.5-5.0% and checking the anti-nutritional factors of all raw materials among all the treatment recorded highest production over the farmers' practices. Cost of cultivation significantly reduced upto 32.25% and Net return was also higher.
11	Effect of dried azolla supplementation on body weight inwhite	Body growth and feed efficiency of WP ducks increased significantly (P<0.05) in both azolla supplemented groups. It is recommended to supplement dried azolla powder @ 7% in

Sl. No	Title	Recommendation
	pekin ducks	the diet for white pekin ducks during the rearing period.
12	Evaluation of native probiotic culture in body growth performances in dual purpose backyard poultry breeds (RIR/Vanaraja/ Kaveri)	Weekly body growth of Vanaraja chicks increased significantly (P<0.05) in probiotic supplemented groups. It is recommended to supplement native probiotic culture @ 1 ml/L in drinking water in backyard poultry breeds during the growing period.

FRONTLINE DEMONSTRATIONS (FLDs)

Total Number of Demonstrations: 44; Total Number of beneficiaries: 434

Sl. No.	Crop	Variety/Technology	Area (ha)/ No. of demonstrations	Total no. of beneficiaries
1	Crop Production			
	Aman Paddy	Cultivation of different high yielding, semi-deep water varieties	2	19
	Millet	Cultivation of multi-cut sorghum and grain purpose finger millet	1	4
	Maize	Maize-mungbean/cowpea intercropping	2	8
	Baby Corn	Cultivation practices of baby corn	2	5
	Sweet corn	Cultivation practices of sweet corn	1	4
	Lathyrus, lentil, greengram	Rice-fallow intensification	6	23
	Potato	Performance of potato cultivars in saline situations	0.5	3

Sl. No.	Crop	Variety/Technology	Area (ha)/ No. of demonstrations	Total no. of beneficiaries
	Paddy	False smut disease management	5.1	12
	Maize	FAW management through bio-concoction	0.25	7
	Paddy	Increasing productivity and income using climate resilience variety of Paddy (CR Dhan-801 & Swarna Sub-1)	1.0	11
2	Plant Breeding and Seed Science			
	Lythyrus	Bidhan Khesari-1	1.0	9
	Greengram	IPM-205-7	1.0	7
	Lentil	IPL-220	1.0	9
	Lathyrus (var. Mahateora)	Rice-fallow intensification	3	15
3	Soil Health Managment			
	Rice	Green manuring technology	1.0	5
	Broccoli	Arka Microbial Consortium (AMC)	1.0	5
4	Plant Protection			
	Jackfruit	Fruit rot management	0.02	8
	Banana	Scarring beetle management through bunch covering	0.06	10
	Rice	Leaf folder Management	6	15
5	Horticulture			
	Broccoli	Variety:Destiny	1.0	6
	Capsicum	Variety: Menka (Green)	0.0266	6
	Carrot	Variety: Nantes	0.0133	8
	Beet	Variety: Dark Red	0.0133	10

Sl. No.	Crop	Variety/Technology	Area (ha)/ No. of demonstrations	Total no. of beneficiaries
	French Bean	Variety: Falguni	0.0266	6
	Coriander	Variety: Caribe	0.798	5
	Bitter gourd	Variety: Meghna-2	0.0133	6
	Elephant Foot Yam	Variety: Bidhan Kusum	0.0133	7
	Turmeric	Variety: Suranjana	0.798	5
	Tomato	Variety: Himsikhar	0.0399	7
	Cauliflower	Variety: NS-106	0.0266	5
	Purple Cauliflower	Variety: Valentena	0.0399	5
	Cabbage	Variety: Romeo	0.0399	7
	Knolkhol	Variety: Rakhuse	0.0399	10
5	Livestock			
	Dairy Management	Cultivation of fodder crops (Barseem)	7	7
	Poultry Management	Scientific rearing of <i>Vanaraja</i>	7	7
	Poultry Management	Scientific rearing of turkey birds	7	7
	Duckery	Rearing of <i>white Pekin Ducks</i>	60	60
6	Fisheries			
	Fish	Magur fish Breeding & culture	8	8
	Aquaculture	Culture of Indian Major Carp	8	8
	Fish Nutrition	Low cost ornamental fish feed for better colouration and growth	8	8

Sl. No.	Crop	Variety/Technology	Area (ha)/ No. of demonstrations	Total no. of beneficiaries
	Crustacean	Culture techniques for Crab farmers of Sunderbans	8	8
7	Others			
	Oyster mushroom	Enterprise development	39	39
	Trichoderma	Homestead Trichoderma preparation	7	7
	Vermicompost	Vermicomposting Technology	3	3
	Total		37.8186 ha + 162 nos	434

CLUSTER FRONT LINE DEMONSTRATIONS (CFLDS)

Total Number of Demonstrations: 10

Total Number of beneficiaries: 166

Crop	Variety	Area (ha)	Number of Farmers
<i>Pulses</i>			
Greengram	Shikha	30	122
<i>Oilseeds</i>			
Mustard	PM 28	10	44
<i>Others</i>			
Total		40	166

FARM IMPLEMENTS AND MACHINERY

Sl. No.	No. of Drone Demonstration organized during 2023-'24	Blocks where the Demonstrations were conducted	Agricultural inputs applied	Area Covered under Drone Demonstration till date (ha)	No. of farmers participated	Advantages of using Drones as perceived by the farmers
1.	22	Basanti (Uttar Sonakhali and Narayantala villages), Mathurapur II (Dakshin Jaykrishnapur village), Sonarpur (KVK Instructional Farm and Sahaberabad village), Bishnupur I (Dumduma village) and Budge Budge II (Itali village) Blocks	Sea-weed extract (Sagarika), Nano DAP	220	942	Saving of time, lesser requirement of labours, precise application of inputs, plants with higher stature can also be covered

TRAINING

Total Number of Trainings: 132 nos.

Total Number of beneficiaries: 4969 nos.

i. Training of Practicing Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	17	10	27	78	41	119	0	0	0	95	51	146
Crop Diversification	1	5	5	10	8	30	38	0	0	0	13	35	48
Nursery management	2	0	0	0	25	37	62	3	1	4	28	38	66
Integrated Crop Management	8	142	21	163	161	39	200	57	10	67	360	70	430
Integrated nutrient Management	1	10	3	13	58	14	72	6	0	6	74	17	91
Total	15	174	39	213	330	161	491	66	11	77	570	211	781
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	2	50	12	62	16	4	20	0	0	0	66	16	82
Off season vegetables	2	58	5	63	5	12	17	0	0	0	63	17	80
Exotic vegetables	1	23	3	26	4	8	12	2	0	2	29	11	40
Cultivation of winter vegetables	1	38	6	44	3	3	6	0	0	0	41	9	50
Cultivation of summer	1	31	6	37	1	2	3	0	0	0	32	8	40

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
vegetables													
Multi-tier Horticulture	2	22	18	40	0	18	18	0	4	4	22	40	62
Total (a)	9	222	50	272	29	47	76	2	4	6	253	101	354
b) Fruits													
Cultivation of Fruit crops	1	27	0	27	4	0	4	0	0	0	31	0	31
Dragon fruit cultivation	1	30	0	30	3	0	3	1	0	1	34	0	34
Cultivation of Malta Orange	1	22	6	28	2	5	7	0	0	0	24	11	35
Total (b)	3	79	6	85	9	5	14	1	0	1	89	11	100
c) Ornamental Plants													
Nursery mgmt. and cultivation of winter flowers	4	88	15	103	30	14	44	4	0	4	122	29	151
d) Plantation crops													
Scientific cultivation of Betelvine	1	22	0	22	10	0	10	0	0	0	32	0	32
e) Tuber crops													
Production and Mgmt tech of efy.	2	55	2	57	18	2	20	0	0	0	73	4	77
Scientific cultivation of Turmeric	2	76	4	80	4	0	4	0	0	0	80	4	84

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total (e)	4	131	6	137	22	2	24	0	0	0	153	8	161
III. Soil Health and Fertility Management													
Soil fertility management	2	33	3	36	12	1	13	1	2	3	46	6	52
Management of Problematic soils	3	23	8	31	45	26	71	13	7	20	81	41	122
Nutrient Use Efficiency	2	36	6	42	12	6	18	0	0	0	48	12	60
Soil & water testing	2	43	8	51	15	2	17	8	5	13	66	15	81
Total	9	135	25	160	84	35	119	22	14	36	241	74	315
IV. Livestock Production and Management													
Dairy Management	1	0	0	0	5	35	40	0	0	0	0	40	40
Poultry Management	3	0	0	0	37	83	120	0	0	0	37	83	120
Piggery Management	1	0	0	0	20	0	0	0	0	0	0	20	20
Feed & fodder technologies	1	0	0	0	25	7	32	0	0	0	25	7	32
Total	6	0	0	0	87	125	192	0	0	0	62	150	212
VII. Plant Protection													
Integrated Pest Management	6	66	17	83	97	20	117	7	0	0	170	37	207
Integrated Disease	1	6	0	6	18	5	23	0	0	0	24	5	29

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management													
Biocontrol of pests and diseases	1	14	0	14	9	2	11	0	0	0	23	2	25
Production of bio control agents and bio pesticides	6	40	25	65	81	12	93	0	0	0	120	37	157
Total	14	126	42	168	205	39	244	7	0	7	337	81	418
VIII. Fisheries													
Integrated fish farming	2	13	11	24	14	15	29	18	13	31	45	39	84
Composite fish culture	1	20	5	25	4	4	8	2	1	3	26	10	36
Breeding and culture of ornamental fishes	1	8	5	13	9	8	17	4	6	10	21	19	40
Portable plastic carp hatchery	2	17	10	27	18	14	32	6	2	8	41	26	67
Shrimp farming	2	12	11	23	28	21	49	7	6	13	47	28	75
Training on fish diseases and its prevention	2	25	7	32	19	8	27	5	3	8	49	18	67
Scientific fish culture practices in Bheries	2	25	18	43	17	15	32	5	1	6	47	34	81
Air breathing fish culture	1	24	6	30	4	2	6	4	1	5	32	9	41
Rearing pond	1	10	2	12	16	4	20	5	3	8	31	9	40

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
management practices													
Nursery Pond management	1	10	6	16	8	7	15	0	0	0	18	13	31
Total	15	164	81	245	137	98	235	56	36	92	357	205	562
IX. Production of Input at site													
Seed Production	6	59	37	96	78	30	108	0	0	0	137	67	204
GRAND TOTAL	86	1194	301	1501	1021	556	1557	158	65	216	2353	937	3290

ii. Training of RURAL YOUTHS (On and Off-Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery mgmt of coconut	1	44	0	44	5	0	5	1	0	1	50	0	50
Cultivation of dragon Fruit orchard	1	25	0	25	4	0	4	1	0	1	30	0	30
Nutritional gardening	1	0	20	20	0	6	6	0	0	0	0	26	26
Post-Harvest technology & value addition	1	12	6	18	11	4	10	0	0	0	23	10	33
Seed production	4	39	18	57	50	18	68	2	0	2	91	36	127

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Vermiculture	2	23	16	39	6	10	16	0	0	0	34	21	55
Mushroom Production	1	1	4	5	26	18	44	0	0	0	27	22	49
Value addition	2	0	0	0	0	50	50	0	0	0	0	50	50
Dairying	1			25	25	50					25	25	50
Sheep and goat rearing	2	6	4	10	55	25	80	0	0	0	61	29	90
Poultry production	3	3	1	4	93	23	116	0	0	0	96	24	120
Ornamental fisheries	3-	15	42	57	14	28	42	5	11	16	59	56	115
Composite fish culture	3	14	6	20	45	36	71	5	4	9	64	46	110
Freshwater prawn culture	4	51	16	67	29	32	61	14	7	21	94	55	149
Shrimp farming	2	22	7	29	30	18	48	6	0	2	58	25	83
Fry and fingerling rearing		17	11	28	13	6	18	0	0	0	30	17	47
Air breathing fish breeding	1	15	13	28	5	3	8	4	1	6	24	17	41
Mud crab fattening	2	25	12	37	15	15	30	9	4	13	49	31	80
Fish culture in Bheries	1	12	8	10	5	2	7	12	4	16	29	14	43
Total	36	324	184	523	431	344	684	59	31	87	844	504	1348

iii. Training of Extension Personnel (On and Off-Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Production of organic inputs	1	32	5	37	6	2	8	0	0	0	38	7	45
Seed production	1	10	1	11	5	0	5	0	0	0	15	1	16
Management in farm animals	1	0	0	0	0	20	20	0	0	0	0	20	20
Training of Fishery Extension	2	16	13	29	22	17	39	6	4	10	44	34	78
Other	1	16	1	17	1	7	8	0	3	3	19	9	28
Total	6	74	20	94	34	46	80	6	7	13	116	71	187

● Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	% SC/ST	M	F	T	M	F	T
Field Day	9	548	151	699	27	7	0	7	552	151	703
Farm School	2	116	43	159	48	1	2	3	117	45	162
Kisan Mela	5	250	250	500	53	0	0	0	250	250	500
Exhibition	5	350	200	550	64	0	0	0	350	200	550
Film Show	2	58	14	72	52	2	0	2	60	14	74
Method Demonstrations	9	224	48	272	65	12	0	12	236	48	284
Farmers Seminar	2	100	0	100	59	4	0	4	104	0	104

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	% SC/ST	M	F	T	M	F	T
Group meetings	1	150	0	150	65	0	0	0	150	0	150
Lectures delivered as resource persons	42	825	275	1100	51	17	4	21	836	110	971
Advisory Services	106	111	89	200	59	18	6	24	119	95	224
Scientific visit to farmers field	61	552	73	625	69	21	1	22	573	74	647
Farmers visit to KVK	89	3865	2299	6164	77	816	579	1395	4651	2858	7715
Diagnostic visits	10	12	0	12	87				12	0	12
Exposure visits	25	526	158	684	57	144	95	239	670	253	923
Soil health Camp	3	125	55	180	23	0	0	0	125	55	180
Agri mobile clinic											
Soil test campaigns	4	102	18	120	56	5	2	7	102	18	120
Celebration of important days	4	227	102	374	84	18	3	21	290	105	395
Meri Maati – Desh Samriddhi	1	75	25	100	55	7	3	10	82	28	110
Total	380	8216	3800	11911	53	1072	695	1767	9129	4304	13824

- **Other Extension activities**

Newspaper coverage - 4 nos.
a) A. Ghosal, Trichoderma for soil and plant health management, Chasbas, 11&18.01.2023 b) A. Ghosal, Farmers Producers Company, Chasbas, 07.6.2023 c) S.S. Ghosh, Royal Bengal Turkey, The Telegraph, 01.01.2023 d) K. Ray, Raydighi r akashe hotat urche drone..."; News 18 Bangla on April 17, 2023
Popular Articles - 1 no.
a) Alpo Kothay Japani Quialer Chaas Paddhati by S. S. Ghosh (<i>SamajShiksha</i> . August 2023, LokashikshaParishad, Ramakrishna Mission Ashrama, Narendrapur)
Extension Literature - 2 nos.
a) Mushroom cultivation: an alternate livelihood option by A. Ghosal b) Scientific Quail Farming by S. S. Ghosh
Others, if any - 1 no.
a) Practical manual of Plant protection for the Diploma in Agricultrual Extension Services for Input Dealers Course by A. Ghosal

OTHER ACTIVITIES

- **PRODUCTION AND SUPPLY OF TECHNOLOGICAL PRODUCTS:**

- a) *Village seed Production*

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved	Number of farmers to whom seed provided							
					SC		ST		Other		Total	
					M	F	M	F	M	F	M	F
Paddy	Sabita, Swarna Sub-1, CR Dhan-310, Sambha Sub-1	3.60	18000	26	12	6	0	0	8	0	20	6
Lathyrus	Bidhan Khesari-1	0.96	12480	10	6	3	0	0	1	0	7	3
Lentil	IPL-220, L-	1.20	16800	14	6	2	0	0	5	1	11	3

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved	Number of farmers to whom seed provided							
					SC		ST		Other		Total	
					M	F	M	F	M	F	M	F
	4717											
Mustard	PM-30, PM-31	0.56	7280	9	5	1	0	0	3	0	8	1
Sesame	CUMS-17	0.36	5040	12	7	2	0	0	3	0	10	2
Greengram	Virat, Shikha	10.47	141345	118	42	16	0	0	56	4	98	20
Total		17.15	200945	189	78	30	0	0	76	5	154	35

b) Seed Production in the KVK farm

Crop	Variety	Quantity of seed (q)	Number of farmers to whom seed provided							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Rice	Sabita	30.00	10	0	2	8	12	10	24	18
	Sabita	100.50	25	20	12	14	22	26	59	60
	Shatabdi	4.00	5	2	2	2	4	6	11	10
	Swarna Sub 1	8.00	12	10	10	10	6	4	28	24
	Muktoshri	8.50	0	0	0	0	5	2	5	2
	CR Dhan 310	2.50	2	2	1	2	3	5	6	9
	Gobindavog	1.00	10	0	0	0	0	0	10	0
	CR-801	6.00	5	4	5	2	1	1	11	7
	CR 510	5.00	15	0	0	0	0	0	15	0
	Rajdeep	2.50	10	0	0	0	0	0	0	10
Sukummar	3.50	12	0	0	0	0	0	0	12	
Dudheswar	8.00	8	0	0	0	0	0	0	8	
Black Gram	PU 09	0.36	0	0	0	0	2	2	2	2
Lentil	L-4717	0.08	0	0	0	0	6	0	6	0

Crop	Variety	Quantity of seed (q)	Number of farmers to whom seed provided							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Khesari	Bidhan Khesari	0.96	12	5	0	0	0	0	12	5
	Ratan	0.03	0	2	0	0	0	0	0	2
	Mohotera	0.52	5	4	0	0	2	4	7	8
Mustard	PM-31	0.12	0	0	0	0	2	2	2	2
Green gram	Sikha	2.23	14	12	2	5	6	9	22	26
	Virat	0.23	5	5	0	0	0	0	5	5
	Sona mung	0.44	2	0	0	0	0	2	2	2
Sesamum	Suprava	1.70	12	8	2	2	4	4	18	14
Grand Total		186.17	164	74	36	45	75	77	245	226

c) Production of Vegetable seedlings by the KVK:

Crop	Variety	No. of planting materials	Number of farmers to whom planting material provided			
			SC	ST	Other	Total
Broccoli	Besty	6000	7	1	2	10
Capsicum	Indra (Green)	9000	4	1	2	7
Carrot	Nantes	110000	5	2	1	8
Beet	Dark Red	110000	5	0	3	8
French Bean	Serengeti	140000	5	0	4	9
Bitter gourd	Bolder	18000	4	1	2	7
Tomato	Himsikhar	35000	6	1	5	12
Cauliflower	PAN-3025	16000	2	1	2	5
Purple Cauliflower	Valentena	9000	3	1	2	6

Crop	Variety	No. of planting materials	Number of farmers to whom planting material provided			
			SC	ST	Other	Total
Cabbage	Mohar	14000	7	1	2	10
Knolkhol	Sakura	5000	3	0	1	4
Elephant Foot Yam	Bidhan Kusum	1500	3	1	2	6
Turmeric	Suranjana	1000	3	2	2	7
Total		474500	57	12	30	99

d) Production of Bio-Products

Name of Product	Quantity (kg)	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Vermicompost	12000 kg	1,10,000/-	8	4	0	0	25	1	28	10
Vermiwash	290 liter	8000.00	12	0	2	0	0	0	14	0
Bio-pesticide	Jeevamrit: 1200 lt	14400/-	7	0	0	0	0	0	7	0
	Beejamrit: 200 lt	6000/-	7	0	0	0	0	0	7	0
	Neemastra: 200 lt	6000/-	7	0	0	0	0	0	7	0
	Agniastra: 200 lt	6000/-	7	0	0	0	0	0	7	0
	Dasaparni: 50 lt	1500/-	7	0	0	0	0	0	7	0
Bio-fungicide (Trichoderma)	430 kg	64,500/-	98	13	0	0	43	0	154	0
Total	12430kg/ 2140lit	2,16,400/-	153	17	2	0	68	1	231	10

e) Production of livestock Materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Calves	Crossbred	3	75000	3						3	
Goat	Black Bengal	30	90000	30						30	
Broilers	Cobb 400	50000	500000					30		30	
Duals (broiler, layer)	RIR	2000	140000		75						75
Turkey	White Beltsvilliae	1000	90000		30						30
Ducks	Khaki Campbell	100	6000		18						18
Fisheries											
Indian carp	Rohu,	3,50,000	3,50,000	0	0	0	0	0	0	15	0
Exotic carp	Silver carp, Amur Carp	1,50,000	1,00,000	0	0	0	0	0	0	15	0
Mixed carp	Rohu, Catla, Mrigal	2,50,000	7,50,000	0	0	0	0	0	0	175	70
Fish fingerlings	Catla	1,00,000	4,00,000	0	0	0	0	0	0	20	0
Spawn	Magur, Singhi, Padba	4,00,000	10,00,000	0	0	0	0	0	0	5	0
Others	Zebra fish, Chiklids, gold fish, angel, sivoram, live bearers	1,00,000	5,00,000	0	0	0	0	0	0	25	50
Grand Total		53133	901000	30	123	0	0	30	0	318	243

- Seed Hub Programme - “Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India”

Quality Seed Production Reports:

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Rabi 2022-23	Lentil	IPL-220, L-4717	200	25	224	F/S, C/S
	Khesari	Bidhan Khesari-1, Mahateora	100	15	110	F/S, C/S, T/L
Summer/Spring 2023	Greengram	Virat, Shikha	700	40	736	F/S, C/S
Total			1000	80	770	-

- Literature developed/published

Title	Author (s)'s name	Circulation
Research Papers		
Crop selection and management strategies to combat weather related vagaries in coastal Bengal.	Banerjee, H., Ray, K., Alipatra, A., Nayak, A., Pahari, A. and Banik, A.	SATSA Mukhapatra - Annual Technical Issue 27: 134-144 (2023)
Assessment of the suitability of selected extractants for boron in some Inceptisols of Eastern India under sunflower (<i>Helianthus annuus</i> L.)	Phonglosa, A., Bhattacharyya, K., Pari, A., Ray, K., Banerjee, H., Halder, S., Sengupta, S., Bhattacharya, P. and Mandal, J.	Journal of Plant Nutrition 46(17): 4340-4355 (2023)
Assessing the Seasonal Crop Acreage in the Ganges Delta Using Multi-Temporal Sentinel-2 Data: A Case Study in Gosaba CD Block	Nanda, M.K., A. Ghosh, A., Sarkar, D., Sarkar, S., Brahmachari, K., Ray, K., Goswami, R. and Mainuddin, M.	Journal of Indian Society of Coastal Agricultural Research 41(1): 24-40 (2023)
Assessment of economic sustainability of cropping systems in	Ray, K., Mondal, S., Kabir, M.J., Sarkar, S., Roy, K.,	Sustainability 15:

Title	Author (s)'s name	Circulation
the salt-affected coastal zone of West Bengal, India.	Brahmachari, K., Ghosh, A., Nanda, M.K., Misra, S., Ghorui, S., Goswami, R. and Mainuddin, M.	8691 (2023)
Modelling nitrogen management in hybrid rice for coastal ecosystem of West Bengal, India	Sarkar, S., Ray, K., Garai, S., Banerjee, H., Haldar, K. and Nayak, J.	PeerJ 11:e14903 (2023)
Revisiting the oldest manure of India, Kunapajala: Assessment of its animal waste recycling potential as a source of plant biostimulant.	Mukherjee, S., Basak, A., Chakraborty, A., Goswami, R., Ray, K., Ali, M.N., Santra, S., Hazra, A.K., Tripathi, S., Banerjee, H., Layek, J., Panwar, A.S., Ravisankar, N., Ansari, M.A. and Chatterjee, G.	Frontiers in Sustainable Food Systems 6:1073010 (2023)
Effect of application of lime with vermicompost on the activities of microorganisms of some acidic soils of West Bengal.	Chakraborty, A., M. Saha, S. Dutta and N.C. Sahu:	J. Environ. Biol., 44, 299-309 (2023)
Vermicomposting technology: An effective cluster based entrepreneurship development approach among farm women	M Saha & N C Sahu	<i>Indian Farming</i> 73 (05): 03-06; May 2023
Effect of supplementing Azolla and empty pea pod on growth performance, blood biochemical meta-bolisms and meat quality in White Pekin ducks	S Ghosh, P Chatterjee, S Bera and M Saha	<i>Indian Journal of Animal Science</i> 93(10):1010-1014
Impact of Crop-specific Technologies and Organic Growth Stimulants on Mustard, Black Gram and Green Gram in Sundarban area of West Bengal.	Ghosal, A & Sahu, N (2023).	Journal of the Indian Society of Coastal Agricultural Research. 40. 10.54894.

Title	Author (s)'s name	Circulation
Effect of structural ideotypes on yield attributes, seed yield and their inheritance in Yellow Sarson (<i>Brassica rapa</i> L. var. Yellow Sarson)	Ram Babu Raman and SP Sinhamahapatra	Journal of Oilseed Brassica, Journal of Oilseed Brassica, 14 (1) January, 2023
Principal component analysis, euclidean clustering of tossa jute (<i>Corchorus olitorius</i> L.) genotypes for the drought stress tolerance	SAWARKAR A., PRADHAN A., YUMNAM S., RAMAN R.B., GHOSH S.C. AND MUKHERJEE S.	International Journal of Agriculture Sciences, 14 (12), 2023
High yielding mulberry production through controlled pollination for enhanced vegetative growth and early sprouting suitable for tropical agroclimatic regions	Haragopal Dutta, Sampurna Bhattacharya, Ashutosh Sawarkar, Atul Pradhan, Ram Babu Raman, Kaushik Kr. Panigrahi, Koushik Banerjee and Suman Dutta	The Pharma Innovation Journal, 12(3): 4485-4492 (2023)
Identification of best combiners and heterotic crosses for seedling characters in jute (<i>Corchorus olitorius</i> L.) under normal and drought conditions	Ashutosh Sawarkar, Atul Pradhan, Ram Babu Raman, Sonika Yumnam, Suman Dutta and Subhra Mukherjee	Electronic Journal of Plant Breeding, 14(2) : 530 – 539 (2023)
Carbon-Nitrogen Ratios And Performance Of Nile Tilapia And Stinging Catfish In Biofloc Based Juvenile Rearing System	Amitesh Bhattacharyyaa, A., Ghosh, S.	<i>Journal of Survey in Fisheries Sciences</i> 10((1S)):6942-6951(2023)
Effects of different carbon-to-nitrogen ratios on Nile Tilapia <i>Oreochromis niloticus</i> in the biofloc rearing system	Mali,P., Ghosh, S., Dash, G., Supratim Chowdhury	<i>Aquaculture</i> (2023)
Artificial Reef Deployment in North Bali, Indonesia: An Innovative Strategy to Rebuild Reef Ecosystem in Climate Change Affected Area	Pulapparambil, A., Sariga, P. K., Sekharan, N. M., Ghosh, S., Nidhin, B., and Lilley, G.R.	<i>Fishery Technology</i> 60: 240 – 246 (2023)
Socioeconomic study of traditional fish farmers and trained farmers in the Indian Sundarbans ecosystem	Ghosh, S., Baidya, A., 1 Ghosh, B. D., Sahu, N. C., Rahaman, F. H., Das, A. K. and Das, K. S.	<i>Aquatic Ecosystem Health and Management</i> 25(3):63-72(2023)
Effects of Natural Dietary Supplementation on Growth and	Anguchamy,V., Ghosh, S., Mondal, A., Biswas, S. and	<i>RESEARCH SQUARE</i> (2023)

Title	Author (s)'s name	Circulation
Survival rate of Freshwater Ornamental Fish, <i>Pseudotropheus demasoni</i> (1994)	Ethiraj, K.	
Evaluation of stocking of two small indigenous fish, pabda (<i>Ompok pabda</i>) and gulsha tangra (<i>Mystus cavasius</i>) with Indian major carps in composite fish culture system	Goswami, B., Ghosh, S. and Bhattacharjee, S.	<i>J. Exp. Zool. India</i> Vol. 26, No. 1, pp. 967-971 (2023)
Fisheries and Aquaculture in Wetland Ecosystems: A Review of Benefits, Risks, and Future Prospects in India	Ghosh, S., Pulapparambil, A., Rajib Pattanayak, and Narayan Ch. Sahu	<i>Journal of Coastal Research</i> , Vol. 00, No. 00, 0000: 1-16 (2024)
Effect of natural fluoride toxicity on goat population in West Bengal, India	Mahato Mahato, Ghorui Supriyo, Goswami Rupak, Ghosh Sarbaswarup.	<i>Indian Journal of Small Ruminants</i> 29(2) : 333–335. https://doi.org/10.5958/0973-9718.2023.00038.7
Status of Backyard Turkey (<i>Meleagrisgallopavo</i>) Production System in South 24 Parganas District of West Bengal, India	Ghosh Sarbaswarup, Sahu N Chandra., & Haldar Avijit	<i>Journal of the Indian Society of Coastal Agricultural Research</i> 41(1) https://doi.org/10.54894/jiscar.41.1.2023.128933
Effect of supplementing azolla and empty pea pod on growth performance, blood biochemical meta-bolites and meat quality in White Pekin ducks.	Ghosh, Sarbaswarup., Chatterjee, Paresh Nath., Bera, Santanu., & Saha, Manidipta	<i>The Indian Journal of Animal Sciences</i> 93(10):1010–1014. https://doi.org/10.56093/ijans.v93i10.134588
Growth performance and meat quality of turkey birds produced by the small-holders in South 24 Parganas district of West Bengal, India.	Ghosh Sarbaswarup, SahaManidipta	ExplorAnim Med Res. 2023; 13(2), DOI: 10.52635/eamr/13.2.184-190.

Title	Author (s)'s name	Circulation
Popular Articles		
Role of women in Indian Agriculture	Ashutosh Sawarkar, Suman Dutta & Ram Babu Raman	GRAIN 3(2)/ May '2023
Trichoderma for soil & plant health management	• Ghosal	Chasbas, Sangbad Pratidin
Farmers producers company	A Ghosal	Chasbas, Sangbad Pratidin
Alpo Kothay Japani Quialer Chaas Paddhati	Sarbaswarup Ghosh, SantanuBera, Koyel Chowdhury	Samaj Shiksha, Aug, 2023 Ramakrishna Mission Lokashiksha Parishad
Book Chapters		
Border netting technology with IPM strategies for sustainable chilli leaf curl management.	Ghosal A. and Sahu NC	In: Sahu A & Das Chatterjee N (Eds). Environmental mgmt and sustainability in India: Springer Publication, pp. 479-487.
Banana	Sayan Sau, Panchal Bhattacharya, Prasenjit Kundu and Debashis Mondal	In: Tropical and Subtropical fruit Crops: Apple Academic Press , Burlington, Canada, pp.1-62 (2023).
Extension Pamphlets/ literature		
Mushroom cultivation: an alternate livelihood option	Ghosal A.	SSKVK, RKMVERI
Scientific Quail Farming	Sarbaswarup Ghosh	Sasya Shymala KVK
Technical reports		
Natural Farming in Jharkhand A few issues, concerns, and	Goswami, R., Biswas, S., Chatterjee, G., Ray, K. , Sarkar,	"Strengthening Rural Governance for

Title	Author (s)'s name	Circulation
recommendations	S., Saha, M., Roy, K., Chakraborty, A., Bhattacharjee, A., Kundu, D., Mallick, J., Mondal, K. and Das, T.	Right Food" project Supported by Ministry for Economic Cooperation and Dev. (BMZ), Germany
Electronic Publication (CD/DVD etc.)		
Intercropping and Pest Management	A Ghosal & P. Kundu	(https://www.youtube.com/watch?v=956d0-a4KnI&t=28s)
Brinjal Shoot and Fruit borer Management	A Ghosal	(https://www.youtube.com/watch?v=1uluy6Mz3nc&t=33s)
Baby corn cultivation	K. Ray	Uploaded at the YouTube channel of SSKVK;
Others		
Practical manual of Plant Protection for Diploma in Agril.Extn. Services for Input Dealers (DAESI) course.	Ghosal A. Mukherjee I and Rahman M	SSKVK, RKMVERI

● **Details of HRD programmes undergone by KVK personnel:**

Sl. No.	Programme	Name of course	Name of KVK personnel	Date and Duration	Organized by
1	HRD training	Scientific Agri. Horticultural Practices to augment the income from small farming	Dr. K. Ray, SMS (Agronomy)	04.01.23 to 06.01.23 (3 days)	Directorate of Research, Extension & Farms, WBUAFS
2	Workshop	Value-AG workshop	Dr. K. Ray, SMS (Agronomy)	24.02.23 to	CSIRO-Australia

Sl. No.	Programme	Name of course	Name of KVK personnel	Date and Duration	Organized by
				25.02.23	and RKMVERI
3	Training	Training for Remote Pilot Aircraft System (RPAS)	Dr. K. Ray, SMS (Agron) & A. Ghosal, SMS (Pl. Prot.)	27.03.23 to 29.03.23 (3 days)	PBC's Aero Hub, Pune, Maharashtra
4	Training	Value-Ag training session with CSIRO IT collaborator regarding Value-Ag installation/running	Dr. K. Ray, SMS (Agronomy)	04.08.23 (1 day)	CSIRO funded project SciTech4Climate
5	Training	Orientation Training to Master Trainers for Safe and Judicious Use of Glyphosate by PCOs	Dr. K. Ray, SMS (Agronomy)	23.06.23 (1 day)	NIPHM, Hyderabad
6	Workshop	Sensitization Meeting for data collection for Ecosystem Services estimation in Natural Farming experiment under AINP-OF	Dr. K. Ray, SMS (Agronomy)	26.10.23 (1 day)	ICAR-IIFSR, Modipuram
7	Workshop	Preventive vigilance, cybersecurity and prevention of banking fraud	Dr. K. Ray, SMS (Agronomy)	03.11.23 (1 day)	ICAR-ATARI, Kolkata
8	HRD training	Contemporary Issues and Recommendations from Network Research in food crops for facilitating OFT proposals	Dr. K. Ray, SMS (Agronomy)	19.12.23 to 20.12.23 (2 days)	Directorate of Extension Education, BCKV
9	HRD Training	Innovative approaches in Agriculture, horticulture and allied sectors with	Dr. Prasenjit Kundu, SMS (Horticulture)	30-31 March, 2023	BCKV, Mohanpur, Nadia, West Bengal

Sl. No.	Programme	Name of course	Name of KVK personnel	Date and Duration	Organized by
		special focus on natural farming		(2 days)	
10	Drone Pilot Training programme	Drone Pilot courses	Dr. Prasenjit Kundu, SMS (Horticulture)	05-14 July, 2023	M/s Garuda Aerospace, Chennai
11	National Conference	Natural fibre for sustainable societal development	Dr. Ram Babu Raman, SMS (Plant Breeding/Seed Sc)	03-04 January, 2023	ICAR-NIRJAFT, Kolkata
12	HRD Training	Scientific Agriculture, horticultural practices to augment the income from small farming	Dr. Ram Babu Raman, SMS (Plant Br./Seed Sc.)	04-06 January, 2023	WBUAFS, Belgachia
13	Farmers-Scientist Interaction	Farmers Scientist Interaction	Dr. Ram Babu Raman, SMS (Plant Br./Seed Sc.)	22 Jan, 2023	ATC & SAMETI
14	Meeting	Seed Hub Programme	Dr. R Babu Raman, SMS (Pl.Br./Seed Sc.)	07 Feb, 2023	ICAR-IIPR, Kanpur
15	HRD Training	Innovative approaches in agriculture, horticulture and allied sectors with special focus on natural farming	Dr. Ram Babu Raman, SMS (Plant Breeding/Seed Sc.)	30-31 March, 2023	BCKV, Mohanpur, Nadia, WB
16	Workshop	Annual workshop of AICRP on Maize	Dr. RBabu Raman, SMS (Pl Br/Seed Sc.)	12-14 April, 2023	GBPUAT, Pantnagar, Uttarakhand
17	Workshop	DAESI, Workshop	Dr. R Babu Raman, SMS (Pl. Br/Seed Sc)	03 May, 2023	ATC & SAMETI
18	Meeting	Seed certification meeting	Dr. R Babu Raman, SMS (Pl	17 May,	WBSSCA,

Sl. No.	Programme	Name of course	Name of KVK personnel	Date and Duration	Organized by
			Br/Seed Sc)	2023	West Bengal
19	Meeting	Grower meeting	Dr. RBabu Raman, SMS (Pl Br/Seed Sc)	08 June, 2023	WBSSCA, West Bengal
20	Meeting	Production of certified fodder seed production under NLM	Dr. R Babu Raman, SMS (Pl Br/Seed Sc)	17 July, 2023	DAH & VS, West Bengal
21	Meeting	Project UNNATI of ministry of rural development, Govt. of India	Dr. R Babu Raman, SMS (Pl Br/Seed Sc)	04 August, 2023	DM, Office, South 24 Parganas
22	Meeting	Breeder seed indent by SATHI portal	Dr. R Babu Raman, SMS (Pl Br./Seed Sc)	01 Sept, 2023	WBSSCA, West Bengal
23	Workshop	Natural Farming Action Plan Zonal Workshop Meeting	A Ghosal	9 & 21 Nov., 2023	ICAR-ATARI
24	Capacity Building	Contemporary issues & recommendation from network research in food crops for facilitating OFT	Ghosal	19-20 Dec.	DEE, BCKV
25	Capacity Building	Marketing of organic products	Dr. Sarbaswarup Ghosh	13-15 Sep, 2022	SAMETI, WB
26	World Soil Day	Training cum day celebration	Dr. Monidipta Saha	03-05.12.23	(GIZ, GmbH India,
27	Training programme	"Innovative approaches in Agriculture, Horticulture and	Dr. Monidipta Saha	30-31.03.2023	DEE, BCKV

Sl. No.	Programme	Name of course	Name of KVK personnel	Date and Duration	Organized by
		Allied Sectors with special focus on Natural Farming "			
28	Training programme	"Carbon Credit in Agriculture – Climate Offset Mechanism"	Dr. Monidipta Saha	26-27.09.23	MANAGE, Hyderabad
29	Training programme	FAO-DG organized training programme	Dr. Monidipta Saha	6-16.11.23	ICAR-ATARI

● **Details of entrepreneurship development**

Entrepreneurship development	
Name of the enterprise	Group based turkey farming
Name & complete address of the entrepreneur	Mrs. Niyati Mondal Village: Joykrishnapur, Block: Sonarpur, Dist.: South 24 Parganas
Role of KVK with quantitative data support:	i) Technology Transfer through training (12 numbers) and demonstration (10 number) ii) Development of linkage with various institutes like ARD dept, WBLDC and RSETI for reducing knowledge gap and marketing.
Timeline of the entrepreneurship development	2016: Mrs. Mondal took the training on turkey farming 2017: Started turkey farming with fellow women farmers 2023: A total of 50 women farmers in Sonarpur block are engaged in turkey farming under her leadership.
Technical Components of the Enterprise	The turkey farming enterprise stands on following components: i) Scientific turkey poult rearing including brooding and feeding. ii) Strategic nutrition to grown up turkeys iii) Rotational deworming and vaccination

Entrepreneurship development		
Name of the enterprise	Group based turkey farming	
	iv) Marketing with WBLDC	
Status of entrepreneur before and after the enterprise	Before Rs. 2000.00 per month	After Rs. 8000.00 per month
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc.	The turkey farming enterprise is running smoothly in terms of all related parameters	
Horizontal spread of enterprise	Till now 50 cases of horizontal spread is recorded.	

NEW ACTIVITIES LAUNCHED in 2023-2024

Sl.No	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs.in lakhs)	Infrastructure created
1	Training for Fertilizer, Seeds & Agro Chemicals Dealers	To train the FPO/FPC member on soil health, efficient use of fertilizers and agrochemicals, seed production technology	CSC e-Governance Services India Ltd., New Delhi	3.15	-
2	DST-SEED funded Project, New Delhi, Govt. of India	To prepare low cost good quality fish feed for production of indigenous fish species and ensure the alternative livelihood for local fisher flocks of Kheyadah wetland.	DST-SEED, New Delhi, Govt. of India	131	Floating and Sinking Fish Feed Making Unit

(iii b) REPORT OF DHAANYAGANGA KRISHI VIGYAN KENDRA (KVK)

INTRODUCTION

Dhaanyaganga Krishi Vigyan Kendra, operating under the aegis of the Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI), established in the year 2018 It plays an active role in disseminating technologies to farmers, farm women, and rural youths. Its primary focus is on the development of the agricultural sector in the Murshidabad district of West Bengal. This KVK has jurisdiction over a total of 13 blocks, namely Berhampore, Hariharpara, Nowda, Beldanga-I, Beldanga-II, Domkal, Jalangi, Kandi, Burwan, Khargram, Bharatpur-I, Bharatpur-II, Nabagram. These blocks are part of the overall 26 blocks within the district. The KVK's operational area falls under 02 distinct agro-climatic zones, namely, Old Alluvial Zone and New Alluvial Zone. The KVK adheres to the ICAR (Indian Council of Agricultural Research) norms regarding staffing and the current staff strength is 16. In Addition 22 other are working on purely contractual basis with consolidated monthly remuneration as per responsibility and 9 are working on daily wage basis.

In the year 2023-24, a total of 10928 individuals benefited from a total of 223 training programs organized by this KVK.

MANDATED ACTIVITIES OF THIS KVK

1. On-Farm Trails
2. Front Line Demonstration
3. Training
4. Extension Activities
5. Other Extension Activities
6. New Activities
7. Best Practices

ON-FARM TRIALS (OFTs)

Total Number of Trials: 12

Total Number of beneficiaries: 120

Sl. No.	Technology	Recommendation
1	<p>Technology Option-1: Ridges and furrow with ridges planting</p> <p>Technology Option-2 : Modified ridges and furrow with narrow furrow planting</p>	<p>Technology Option (TO)-2: Modified ridges and furrow with narrow furrow planting</p>
2	<p>Technology Option₁: Seed treatment with <i>Rhizobim leguminosorum</i> + 50 % RDF through Vermicompost + 50 % RDF through inorganic fertilizer</p> <p>Technology Option₂: Soil application of microbial consortia (<i>Rhizobim leguminosorum</i> + PSB + <i>F. aurantia</i>) + 25 % RDF through Vermicompost + 50 % RDF through inorganic fertilizer</p> <p>Technology Option₃ : Soil application of microbial consortia (<i>Rhizobim leguminosorum</i> + PSB + <i>F. aurantia</i>) + 50 % RDF through Vermicompost + Liquid N P K @ 3g lit⁻¹ twice.</p>	<p>Technology Option (TO) 3: Soil application of microbial consortia (<i>Rhizobim leguminosorum</i> + PSB + <i>F. aurantia</i>) + 50 % RDF through Vermicompost + Liquid N P K @ 3g lit⁻¹ twice.</p>
3	<p>Technology Option-1: Replacement of short duration rice through incorporation of Sorghum (Variety: CSV 15) in the production system</p> <p>Technology Option-2 : Replacement</p>	<p>Technology Option (TO)-1: Replacement of short duration rice through incorporation of Sorghum (Variety: CSV 15) in the production system</p>

Sl. No.	Technology	Recommendation
	<p>of short duration rice through incorporation of finger Millet (Variety: Subra) in the production system</p> <p>Technology Option-3: Replacement of short duration rice through incorporation of Maize (Variety: P 3526) in the production system.</p> <p>Farmers' Practice: Cultivation of short duration rice (GB 3) in upland condition by lifesaving irrigation.</p>	
4	<p>Technology Option-1: Seed treatment with Bijamrita + 100% RDN through Jivamrita @ 100lt/acre (15, 30 and 45 DAS)</p> <p>Technology Option-2: Soil application of microbial consortia (Rhizobim leguminosorum + PSB) + 25 % RDF through Vermicompost + 50 % RDF through inorganic fertilizer</p> <p>Technology Option-3: Soil application of microbial consortia (Rhizobim leguminosorum + PSB) + 50 % RDF through Vermicompost + Liquid N P K @ 3g lit-1 twice)</p>	Crop is on field
5	<p>Farmer Practice: Planting of rhizome in flat bed</p> <p>Technology Option-1 : Planting of rhizome in Ridge and furrow method</p> <p>Technology Option-2 : Planting of seedling raised by single bud method in flat bed</p>	<p>From the on-farm trial it can easily inferred that ridge furrow method of planting in turmeric is better than the flat method of plating as practised by the farmers. The new technique of single bud planting is always effective in both the condition i.e. flat bed as well as ridge furrow method. Finally, it is recommended that raising of turmeric seedlings by single bud technique followed by ridge furrow method enhance the rhizome yield of turmeric as well as the system of</p>

Sl. No.	Technology	Recommendation
	Technology Option-3 : Planting of seedling raised by single bud method in Ridge and furrow method	cultivation is more profitable than the traditional practices,
6	<p>Farmer Practice: Mono crop mango</p> <p>Technology Option-1 :EFY-onion intercropping sequence in mango orchard</p> <p>Technology Option-2 : Turmeric-onion intercropping sequence in mango orchard</p> <p>Technology Option-3 : Colocasia-onion intercropping sequence in mango orchard</p>	The experimental result clearly indicated that all the intercrops were shown its profitability over the traditional farmers practice i.e. mono crop situation. Comparative analysis of the three-intercropping situation, it may be recommended that intercropping of elephant foot yam followed by onion in mango orchard is most beneficial. But the suitability of profitability is often dependent on the specific micro climatic situation of the orchard.
7	<p>T-1: Flupyradifurone 17.09 w/w SL at 75% (185 g a.i. ha⁻¹ or 935 ml ha⁻¹) of recommended rate + <i>Moringa</i> Root Extract (aqueous) 10%</p> <p>T-2: Afidopyropen 50% DC at 75% (37.5 g a.i. ha⁻¹ or 750 ml ha⁻¹) of recommended rate + <i>Moringa</i> Root Extract (aqueous) 10%</p>	From the results of the OFT, the application of afidopyropen at 1.5 ml per liter water by mixing with 10% aqueous extract of <i>Moringa</i> root could be a sustainable management option for <i>Bemisia tabaci</i> .
8	<p>TO-1: Fluopyram 400 SC (34.48% w/w) at 500 g a.i. ha⁻¹ (1.25 L with 1000 L water ha⁻¹)</p> <p>TO-2: Fluensulfon 480 EC (g L⁻¹) at 2.34 L a.i. ha⁻¹ (4 L with 1000 L water ha⁻¹)</p> <p>TO-3: <i>Paecilomyces lilacinus</i> 1.0% WP (2 × 10⁶ CFU g⁻¹) at 10 kg ha⁻¹</p>	From the results of the OFT, application of fluopyram 10 days before the transplanting of pointed gourd could be a sustainable management option for root-knot nematode.
9	<p>Technology Option - 1:</p> <p>Application of Ivermectine @ 500 µg/Kg body weight through feeding in a single doasge</p>	<p>Technology Option - 1:</p> <p>Application of Ivermectine @ 500 µg/Kg body weight through feeding in a single doasge</p>

Sl. No.	Technology	Recommendation
	<p>Technology Option - 2:</p> <p>Application of Potassium Permanganate @ 10 PPM through bath treatment for 30 minutes at 15 days interval.</p>	
10	<p>Technology Option - 1:</p> <p>Application of molasses @ 5Kg/ acer fermented with <i>Saccharomyces cerevisiae</i> @ 500gm/ acer in 1:10 diluted condition with pond water through spreading process.</p> <p>Technology Option - 2:</p> <p>Application commercial probiotics as per management practice mentioned by the respective industry.</p>	<p>It is found that both TO-1 & TO-2 has performed equally in terms of all technical parameters except B:C ratio & significantly better than existing farmer practice. But In terms of BC Ratio TO-1 is significantly better than TO-2.</p>
11	<p>Technology Option-1: Use of concentrate feed prepared with using (Maize - 20% + Ground nut cake -10 % + sesame cake - 25% + Wheat bran/De-oiled rice bran- 32 + Gram - 10% + Mineral mixture- 2% + Salt - 1% fortified with vitamins A, B2 and D3 and antibiotic feed supplements)</p> <p>Technology Option-2: Use of concentrate feed prepared with using (Maize - 40% + Ground nut cake -30 % + Wheat bran/De-oiled rice bran- 22 % + Molasses - 5% + Mineral mixture- 2% + Salt - 1% fortified with vitamins A, B2 and D3 and antibiotic feed supplements)</p>	<ol style="list-style-type: none"> 1. Live body weight increasement of goats may be done through daily supplementation of (150-170) gm concentrate feed (Technology Option-2) 2. Birth weight of kids and disease resistance power may increase through supplementation of (150-170) gm concentrate feed (Technology Option-2) 3. Milk yield of does can increase through daily supplementation of (150-170) gm concentrate feed (Technology Option-2) 4. Reduction in kid mortality & increasement of weaning wt. of kids can be done through supplementation of (150-170) gm concentrate feed (Technology Option-2) 5. Sufficient roughage and fodder feeding could be recommended, which may help in production & profitability through backyard black bengal goat farming.

Sl. No.	Technology	Recommendation
12	<p>Technology option-1 = Traditional feeding practices + Vit-E feed supplementation from 30 days pre-partum to 30 days post-partum</p> <p>Technology option-2 = Traditional feeding practices + Vit-E feed supplementation from 30days prepartum to 60 days postpartum</p> <p>Farmers Practice = Traditional feeding practices</p>	Vit-E (feed grade) supplementation (@ 1000 IU/day/cows, during 30 days pre-partum to 60 days post-partum) can improve udder health status without major changes in milk composition.

FRONTLINE DEMONSTRATIONS (FLDs)

Sl. No.	Discipline	Variety/Technology	Area (ha)/ No. of demonstration	Total no. of beneficiaries
1	Crop production	Recommended dose of K ₂ O (40) + (50% of RDN though urea + 2 sprays of Nano-N at 25 & 45 DAT) + (50% of RD of P ₂ O ₅ as basal + 2 foliar spray of Nano DAP at 25 & 45 DAT) + 1 spray of Nano-Zn	10	45
2		Var. DBW 187+ Zero tillage + Soil application of B @ 2 kgha-1 + 2 spray of B @ 0.25% twice (30 & 45 DAS)	10	45
3		Line sowing of maize + Soil application of B @ 2 kgha-1 + 2 spray of B @ 0.25% twice (30 & 45 DAS)	10	45
4		<p>1. Line sowing of wheat var: DBW-187 using seed cum fert. drill machine</p> <p>2. Sowing of leafy winter vegetables like spinach, fenugreek</p>	05	35

Sl. No.	Discipline	Variety/Technology	Area (ha)/ No. of demonstration	Total no. of beneficiaries
5		Var. PM-28 + Soil application of S @ 20 kg ha ⁻¹ & B @ 1.5 kg ha ⁻¹ + B <u>spray @ 0.025%</u> twice at 30 and 45 DAS + Soil application of <i>T. viridae</i> @ 3.0 kg kgha ⁻¹	10	56
6		Var. NRCHB-101 + Soil application of S @ 20 kg ha ⁻¹ & B @ 1.5 kg ha ⁻¹ + B <u>spray @ 0.025%</u> twice at 30 and 45 DAS + Soil application of <i>T. viridae</i> @ 3.0 kg kgha ⁻¹	15	84
7		1. Sowing of seeds in line (Var. Sabitri & Suprava) + Integrated application of Vermi-compost @ 1 ton +50% RDN + 25 kg P ₂ O ₅ + 30 kg K ₂ O + 5 kg Zn + sulphur 25 kg + Boron 1 kg per ha followed by 2 foliar spray of 0.25% boric acid at 40 and 60 after sowing	5	22
8		Variety-Dharani + Seed treatment-Trichodarma viridae- 4g/kg +Soil application of S @ 20 kg ha ⁻¹ & B @ 10.5 kg ha ⁻¹ + B <u>spray @ 0.025%</u> twice + Soil application of <i>T. viridae</i> @ 3.0 kg kgha ⁻¹	10	45
9		Variety-Dharani + Seed treatment-Trichodarma viridae- 4g/kg +Soil application of S @ 20 kg ha ⁻¹ & B @ 10.5 kg ha ⁻¹ + B <u>spray @ 0.025%</u> twice + Soil application of <i>T. viridae</i> @ 3.0 kg kgha ⁻¹	10	50
10		<ul style="list-style-type: none"> ● Seed dressing with <i>Azotobacter</i> and phosphate solubilizing bacteria followed by sowing of seeds in line (Var. PM-28 & NRCHB-101) ● Integrated application of (vermicompost- ton +50% RDN) + 30 kg P₂O₅ + 40 kg K₂O + 5 kg Zn + sulphur 25 kg + Boron 1 kg per ha followed by 2foliar spray of 0.25% boric acid at 40 and 60 after sowing 	10	50

Sl. No.	Discipline	Variety/Technology	Area (ha)/ No. of demonstration	Total no. of beneficiaries
11		Var. P. ageti + Soil application of <i>T. viridie</i> @ 30 kg ha ⁻¹ + Spraying of 5% NPK and 0.025% B at 35-45 DAS + 0.025% B & 0.05 % Mo during grain setting	10	60
12		Var. RVG-203 + Soil application of <i>T. viridie</i> @ 30 kg ha ⁻¹ + Spraying of 5% NPK and 0.025% B at 35-45 DAS + 0.025% B & 0.05 % Mo during grain setting	10	120
13		Soil application of of <i>T. viridae</i> + <i>P. fluorescence</i> (with50 kgFYM) @ 1.5 kg during primary land preparation followed by application of sulphur 25 kg + Boron 1 kg per ha during final land preparation +2 foliar spray of DAP @ 20gm / litre water once at flowering and another at 15 days thereafter along with micronutrient mixture @ 5g gm/lit	10	45
14		Sowing of seeds in line after treatment of seed (var.Poorva) with <i>Rhizobium</i> culture and PSB +. 2 foliar spray of DAP @ 20gm / litre water once at flowering and another at 15 days thereafter along with micronutrient mixture @ 5g gm/lit	7	100
15		1. Line sowing of jute with seed- cum-fertilizer drill + 2. Promotion of improved potential varieties of jute : JRO-204, CO-58	20	100

Sl. No.	Discipline	Variety/Technology	Area (ha)/ No. of demonstration	Total no. of beneficiaries
16		Use of NINFET Sathi @ 10.5 kg/ha and CRIJAF Sona @ 10.5 kg/ha followed covering with polythene sheet. 2. Dipping of retted jute fibre in DTPA (VizolPolyquat) solution @ 1ml/lt of water	15	90
17	Horticulture	Maize, Installation of pheromone trap @ 5 per acre at 30 DAS; spraying of NSKE @ 5 ml liter-1 water at 35-40 DAS; spraying of novaluron 5.25% + emamectin benzoate 0.9% SC @ 40 g a.i. ha-1 at 45 DAS; spraying of Bt var kurstaki 17600 IU mg-1 @ 2.5 ml liter-1 water at 60 DAS; spraying of spinetoram 11.7 SC @ 35 g a.i. ha-1 at 70 DAS and spraying of chlorantraniliprole 9.5% + lambda cyhalothrin 4.6% ZC @ 85 g a.i. ha-1 at 85 DAS	50	50
18		Cucumber, Installation of Cue lure trap at the time of first fruit initiation	20	20
19		Bitter gourd, Installation of Cue lure trap at the time of first fruit initiation	20	20
20		Pointed gourd, Installation of Cue lure trap at the time of first fruit initiation	20	20
21		Ridge gourd, Installation of Cue lure trap at the time of first fruit initiation	20	20

Sl. No.	Discipline	Variety/Technology	Area (ha)/ No. of demonstration	Total no. of beneficiaries
22		Mango, Installation of Methyl eugenol trap at the time of post-buttoning stage	7	46
23		Chilli, Scientific management of nursery bed through covering with 45 nylon mesh; cartap hydrochloride 4G @ 2 kg bigha-1 during final land preparation and sowing of maize around the main field as border crop at 15 days prior to transplanting of chilli seedlings; spraying of castor oil @ 3 ml liter-1 water at 20 DAT; spraying of chlorfenapyr 10 SC @ 75 g a.i. ha-1 at 35 DAT; spraying of afidopyropen 50 DC + moringa root extract 10% w/v as tank mix @ 200 g a.i. ha-1 + 5 ml liter-1 water at 55 DAT and spraying of spirotetramat 11.01% + imidacloprid 11.01% SC @ 55 g a.i. ha-1 at 70-75 DAT	3	42
24		Mustard 1. Foliar spray with NSKE @ 5% or neem oil @2% + 2. Verticillium lecanii @ 108 CS/ml + 3. Yellow sticky trap @ 10 nos. / acre + 4. Foliar spray of flonicamid 50 WG @ 0.5 gm/l of water.	5	30
25		Mustard 1. Seed treatment (10g/kg) with talc based formulation of T. viridae followed by soil application of T. viridae + P. fluorescence (with 50 kgFYM) @ 1.5 kg + 2. Integrated basal application of Zn - 5 kg +	5	35

Sl. No.	Discipline	Variety/Technology	Area (ha)/ No. of demonstration	Total no. of beneficiaries
		<p>sulphur- 25 kg + boron - 1 kg +</p> <p>3. Foliar spray of T. viridae + P. fluorescence (oil-based) @ 5ml/l leach at flower initiation stage followed by</p> <p>4. Foliar spray of difenoconazole 25 EC @ 0.5 ml/l of water depending upon the field condition</p>		
26		<p>Lentil</p> <p>1. Soil application of of T. viridae + P. fluorescence (with 50 kg FYM) @ 1.5 kg during primary land preparation +</p> <p>2. Seed treatment with Carboxin + Thiram @ 2.5g/ kg seed. +</p> <p>3. Foliar application of T.viridae + P.fluorescens @ 5 + 5 ml/ liter water at the initiation of disease +</p> <p>4. Spraying of chemical pesticide - thiophanate methyl 70 WP + chlorothalonil 75 WP @ 1 g + 2 g per liter water at 15-20 days interval</p>	3	30
27		Elephant Foot Yam, Optimum resource utilization through intercropping with Amaranthus	0.5	10
28		Onion, Transplanting of seedling treated with carbendazim though root dipping in Broad bed furrow +sulphar application @ 30 kg/h	3.0	20
29		Cabbage, Off season & early cabbage in low cost poly house	0.13	12
30		Cauliflower, Off season & early cabbage in low cost poly house	0.13	12
31		Kitchen Garden and Medicinal plants	70	70 house

Sl. No.	Discipline	Variety/Technology	Area (ha)/ No. of demonstration	Total no. of beneficiaries
		Different varieties of kitchen garden and medicinal plant		hold
32		Broccoli, Promotion of exotic vegetable and scientific management	0.12	20
33		Pigmented cauliflower, Promotion of exotic vegetable and scientific management	0.12	20
34		Red cabbage, Promotion of exotic vegetable and scientific management	0.12	20
35	Fisheries	Scientific cultivation practices of Pabda (Ompak bimaculatus) & Nona Tengra (Mystus gulio) in grow out pond along with major carps	1.023	10
36		Rejuvenation of jute retting pond for fish culture through application of lime, zeolite and water pro-biotic	1.23	10
37		Application of urea (25 kgha-1) and SSP (50 kgha-1) + fermented material (fermentation of MOC + GOC + DORB + vitamin-minerals with yeast under anaerobic condition for 48-72 hrs.) @50kgha-1 once in a month after 20 times dilution with pond water.	3	20
38		Scientific management of Air-Breathing fish cultivation	1	10
39	Animal Husbandry	Khaki Campbell breed promotion for dual purpose (Egg & Meat Production)	30 Unit (10 duck/ farmer)	30

Sl. No.	Discipline	Variety/Technology	Area (ha)/ No. of demonstration	Total no. of beneficiaries
		Increase meat production potentiality of duck by Promotion of improved breed (White-Pekin)	30 unit (20 duck/ farmer)	30
40		Promotion of (Kalinga Brown) poultry breed promotion for dual purpose (Egg & Meat Production)	20 Unit (10 chick/ farmer)	30
41		Feeding of Concentrate feed & Mineral Mixture on Black Bengal Goat in free range farming	50 Unit, (5 goat/unit)	50
42		Increase Production & Profitability by reducing disease prevalence, cost of treatment, through vaccination against FMD, HS and BQ diseases in cattle	200 unit (3 cattle/Unit)	200
43		Washing with potassium permanganate followed by appln of mixture [Indian Acalypha (100g) + Garlic (10 cloves) + Turmeric (100g) + Oil of Madhuka Longifolia (250g)] (3 Cattle/Unit)	50 unit (3 cattle/Unit)	50
44		Intercropping of cowpea (F4/F5) during pre kharif and berseem (JB-1/2) during rabi season	9 Ha	131
45		Increase reproduction potentiality (Birth rate of calf, Grading Up of Deshi /Non-Descriptive Cattle, Gynecological diseases) by using Artificial Insemination straw of indigenous cattle (Sahiwal)	200 (2 cattle/Unit)	200
46		Urea + Molasses feeding during scarcity of fodder	200 Unit (3 Cattle/Unit)	200
47		Feeding of Azolla on cattle (Each having 8 sq Meter bed)	20 (2 cattle/unit)	20

Cluster Front Line Demonstrations (CFLDs)

Total Number of Demonstrations: 318

Total Number of beneficiaries: 318

Crop	Variety	Area (ha)	Number of beneficiaries
Pulses			
Blackgram	PU 10-23	50	150
Oilseeds			
Groundnut	Dharani	30	100
Sesame	Suprabha	16	68
Total		96	318

TRAINING

A) Farmers and Farm Women (On+ Off)

TYPE	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Crop Production	54	1149	144	1293	1369	194	1563	133	120	253	2651	458	3109
Horticulture	30	486	273	759	342	241	583	56	53	109	884	567	1451
Soil Health and Fertility Management	15	453	75	528	227	50	277	70	5	55	750	130	880
Livestock Production and Management	25	235	188	423	157	159	316	18	19	37	410	366	776
Home Science	9	0	315	315	0	235	235	0	50	50	0	600	600
Agril. Engi-	5	175	0	175	90	0	90	5	0	5	270	0	270

TYPE	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
neering													
Plant Protection	20	517	0	517	514	2	516	228	2	230	1259	4	1263
Fisheries	20	301	54	355	259	66	325	0	0	0	560	120	650
Production of Input at site	12	224	145	369	186	125	311	60	25	85	470	295	765
Total	190	3540	1194	4734	3144	1072	4216	570	274	824	7254	2540	9764

B) Rural Youth and Women (On+Off)

TYPE	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	5	11	61	72	9	60	69	0	18	18	20	139	159
Scientific control of phoridfly	1	10	4	14	10	5	17	0	0	0	20	35	53
Beekeeping	2	14	0	14	11	0	27	0	0	12	25	0	25
Rural Craft	4	0	75	75	0	30	30	0	0	0	0	105	105
Sheep and goat rearing	3	45	56	101	23	48	53	12	12	0	68	90	160
Total	15	80	196	276	53	143	196	12	30	30	133	369	502

C) Extension Functionaries (On + Off)

TYPE	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and use of organic inputs	1	20	10	30	15	10	25	0	0	0	35	20	55

TYPE	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Group Dynamics and farmers organization	6	40	49	89	20	75	95	0	26	26	60	150	210
Gender mainstreaming through SHGs	3	0	56	56	0	37	37	0	0	0	0	93	93
Productivity enhancement in field crops	1	20	10	30	10	10	20	0	0	0	30	20	50
Women and Child care	1	0	19	19	0	12	12	0	0	0	0	31	31
Management in farm animals	3	0	67	67	0	39	39	0	0	0	0	106	106
Other	1	0	44	44	0	20	20	0	0	0	0	64	64
	2	37	5	42	10	1	11	0	0	0	47	6	53
	18	117	260	377	55	204	259	0	26	26	172	490	662

D) Vocational Training Programmes For Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title	Duration	No. of Participants			Self employed after training		
				Male	Female	Total	Type of units	Number of units	Number of persons employed
All Agricultural crops and inputs for Dealers	Self Employment Generation Through business agriculture critical inputs	Diploma in Agriculture Extension Services For Input Dealers	1 year	34	6	40	Shop	1	27
Agricultural crops and inputs for Dealers	Self Employment Generation Through business agriculture critical inputs	Diploma in Agriculture Extension Services For Input Dealers	1 year	37	3	40	Shop	1	25

E) Sponsored Training Programmes:

Sl. No	Title	Thematic area	Duration (days)	Client PF/R/RY/EF	No. of courses	No. of participants	Sponsoring Agency
1	Training on Scientific Management Practices of Small Ruminants	Scientific Management Practices of Small Ruminants	3 Days 21-23 Feb 2023	Lead Farmers of FPC & Goatery Cluster Members of Murshidabad	1	50	Department of ARD, Govt. of WB
2	Training on Scientific Management Practices of Small Ruminants	Scientific Management Practices of Small Ruminants	3 Days 22-24 Feb 2023	Lead Farmers of FPC & Goatery Cluster Members of Murshidabad	1	50	Department of ARD, Govt. of WB
3	Training on Scientific Management Practices of Small Ruminants	Scientific Management Practices of Small Ruminants	3 Days 23-25 Feb 2023	Lead Farmers of FPC & Goatery Cluster Members of Murshidabad	1	50	Department of ARD, Govt. of WB
4	Training on Scientific Management Practices of Small Ruminants	Scientific Management Practices of Small Ruminants	3 Days 24-26 Feb 2023	Lead Farmers of FPC & Goatery Cluster Members of Murshidabad	1	50	Department of ARD, Govt. of WB

Sl. No	Title	Thematic area	Duration (days)	Client PF/RV/EF	No. of courses	No. of participants	Sponsoring Agency
5	Training on Scientific Management Practices of Small Ruminants	Scientific Management Practices of Small Ruminants	3 Days Feb 2023	Lead Farmers of FPC & Goatery Cluster Members of Murshidabad	1	50	Department of ARD, Govt. of WB
6	Training on Scientific Sheep Management	Scientific Sheep Management	10 to 13 Feb 2023	Small Animal (Sheep & Goat) Keeper	1	20	Department of ARD, Govt. of WB
7	Training on Scientific Sheep Management	Scientific Sheep Management	11 to 14 Feb 2023	Small Animal (Sheep & Goat) Keeper	1	20	Department of ARD, Govt. of WB
8	Training on Scientific Sheep Management	Scientific Sheep Management	12 to 15 Feb 2023	Small Animal (Sheep & Goat) Keeper	1	20	Department of ARD, Govt. of WB
9	Training on Scientific Sheep Management	Scientific Sheep Management	4 Days 13-16 Feb 2023	Small Animal (Sheep & Goat) Keeper	1	20	Department of ARD, Govt. of WB
10	Training on Scientific Sheep Management	Scientific Sheep Management	4 Days 14-17 Feb 2023	Small Animal (Sheep & Goat) Keeper	1	20	Department of ARD, Govt. of WB

Sl. No	Title	Thematic area	Duration (days)	Client PF/RY/EF	No. of courses	No. of participants	Sponsoring Agency
11	Training on Scientific Sheep Management	Scientific Sheep Management	4 Days 15-18 Feb 2023	Small Animal (Sheep & Goat) Keeper	1	20	Department of ARD, Govt. of WB
12	Training on Scientific Sheep Management	Scientific Sheep Management	4 Days 16-19 Feb 2023	Small Animal (Sheep & Goat) Keeper	1	20	Department of ARD, Govt. of WB
13	Training on Scientific Goat Management under Project Unnati	Scientific Goat Management	13- 22 Mar 2023	Farm Women	1	40	DRDC & DDMU, Murshidabad, WBSRLM, Govt. of WB
14	Hands on Training on Hygienic Meat Production	Hygienic Meat Production	13- 16 Mar 2023	Rural Youth & Farm Women	1	60	ICAR-NRC on Meat, Hyderabad
15	Scientific management practices in composite fish culture	Composite Fish culture	1 st -2 nd March, 2013		1	25	ATMA, Berhampore
16	Breeding & rearing of different ornamental fishes	Ornamental Fish Farming	13 th - 18 th March, 2023		1	30	PMMSY-NFDB

Sl. No	Title	Thematic area	Duration (days)	Client PF/RV/EF	No. of courses	No. of participants	Sponsoring Agency
17	Scientific management of aquaculture based Integrated farming system	Integrated Fish Farming	20 th – 25 th March		1	30	PMMSY-NFDB
18	Efficient Resource Utilization through vegetable based cropping system	Cropping pattern	1.03.2022-2.03.2022	Small & Marginal farmer	1	25	ATMA, Dept. of Agriculture
19	Agrotechnique of Jute cultivation	Scientific Livestock Management Practices	30.05.2023	Farmers	1	25	ATMA
20	Paddy cum fish culture	Natural resource management	07.06.2023	Farmers & Farm Women	1	50	BFAC, ATMA, Nowda
21	Agrotechnique of Jute cultivation	Integrated Farming	06.06.2023	Farmers	1	45	ATMA(Residential training), Nowda block
22	Evaluation of collaborative activities of DGKVK and NINFET by QRT team	Natural resource management	12.06.2023	Farmers	1	--	NINFET

Sl. No	Title	Thematic area	Duration (days)	Client PF/RY/EF	No. of courses	No. of participants	Sponsoring Agency
23	Multipurpose Artificial Insemination Technician in Rural India (MAITRI)	QRT team from NINFET	12/06/23 to 11/07/23 (30 Days)	Pranimitra of diff. dists.	1	35	Paschim Banga Go-Sampad Bikash Sanstha, Govt. of WB
24	Multipurpose Artificial Insemination Technician in Rural India (MAITRI)	Animal health management	17/07/23 to 16/08/23 (30 Days)	Pranimitra of diff. dists.	1	41	Paschim Banga Go-Sampad Bikash Sanstha, Govt. of WB
25	Multipurpose Artificial Insemination Technician in Rural India (MAITRI)	Animal health management	28.08.23 to 26.09.23 (30 Days)	Pranimitra of diff. dists.	1	26	Paschim Banga Go-Sampad Bikash Sanstha, Govt. of WB
26	Agro-techniques of Green gram cultivation	Animal health management	11.08.2023	ST	1	70	TSP, MuLLaRP
27	Extraction of jute fibre using ribboner and decorticator machine	Natural resource management	17-19.08.2023	ALL	1	250	ICAR NINFET
28	Improved jute retting using NINFET Sathi	Farm mechanization	23.08.2023	SC	1	300	ICAR NINFET
29	Improved jute retting using NINFET Sathi	Quality management	24.08.2023	SC	1	200	ICAR NINFET

Sl. No	Title	Thematic area	Duration (days)	Client PF/RV/EF	No. of courses	No. of participants	Sponsoring Agency
30	Awariness programme of Blackgram cultivation under TSP	Quality management	16.10.2023	ST	1	100	TSP, MuLLaRP
31	Awariness programme of Blackgram cultivation under TSP	Awariness programme	16.10.2023	ST	1	100	TSP, MuLLaRP
32	Training Program for Potential Beekeepers in the NBB Funded Project	Awariness programme	13-15.12.2023	Existing & Potential Beekeepers	1	50	National Bee Board
33	Sustainable agriculture as well as horticulture through organic inputs(jibamita, bijamita,mulching,wapsa)	Apiculture	11.05.2023	40	1	40	Biovillage Berhampore block and Natural farming
34	Awariness programme cum cycle rally,Tableau	Natural Farming	5.12.23-6.12.2023	200	1	200	Natural Farming

Sl. No	Title	Thematic area	Duration (days)	Client PF/RV/EF	No. of courses	No. of participants	Sponsoring Agency
35	“Community Resource Persons on Animal Husbandry”	Natural Farming	23.11.23 to 07.12.23 (15 Days)	Diff. dists.	1	26	West Bengal Tribal Development Co-Operative Corporation Ltd (WBTDCC), Govt. of WB

EXTENSION ACTIVITIES

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		Male	Female	Total	SC/ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	19	275	7	282	40	17	2	19	292	9	301
KisanMela	1	23456	15546	39002	42	57	7	64	23513	15553	39066
KisanGhoshthi	--	--	--	--	--	--	--	--	--	--	--
Exhibition	2	106	14	120	50	0	0	0	106	14	120
Film Show	15	623	127	750	53	14	3	17	637	130	667
Method Demonstrations	7	490	170	660	52	8	2	10	498	172	670
Farmers Seminar	2	1920	430	2350	38	47	6	53	1967	436	2403

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		Male	Female	Total	SC/ST (% of total)	Male	Female	Total	Male	Female	Total
Workshop	1	170	35	205	32	7	0	7	177	35	212
Group meetings	25	489	26	515	41	43	7	50	532	33	565
Lectures delivered as resource persons	96	2470	1710	4180	23	111	36	147	2581	1746	4327
Advisory Services (Thematic area wise)	25	474	279	753	80	9	0	9	483	279	762
Scientific visit to farmers field	53	597	37	634	39	149	18	167	746	55	801
Farmers visit to KVK (Thematic area wise grouped)	179	933	320	1253	29	179	13	182	1112	333	1445
Diagnostic visits	25	467	38	505	61	23	3	26	490	41	531
Exposure visits	51	1123	152	1275	20	93	9	102	1216	161	1377
Ex-trainees Sammelan	2	0	57	57	10	2	0	2	2	57	59
Soil health Camp	8	265	25	290	72	11	0	11	276	25	301
Animal Health Camp	12	577	47	624	65	23	1	24	600	70	670

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		Male	Female	Total	SC/ST (% of total)	Male	Female	Total	Male	Female	Total
Through MVC	480	26507	4680	31187	79	960	0	960	27467	4680	32147
Agri mobile clinic											0
Soil test campaigns	9	439	33	472	65	13	0	13	452	33	485
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	8	0	160	160	53	7	1	8	7	161	168
Mahila Mandals Conveners meetings	--	--	--	--	--	--	--	--	--	--	--
Celebration of important days (specify)	--	--	--	--	--	--	--	--	--	--	--
Celebration of International Women's Day (March 08,2023	1	0	40	40	12	1	1	2	1	41	42
Celebration of world rabies	1	42	36	78	23	4	1	5	46	37	83

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		Male	Female	Total	SC/ST (% of total)	Male	Female	Total	Male	Female	Total
Celebration of International Labor Day	1	38	62	100	22	11	1	12	49	63	112
Celebration of World Environment Day	1	30	40	70	42	3	0	3	33	40	73
Celebration of World Zoonosis Day	1	70	35	105	32	7	2	9	77	37	114
Celebration of ICAR Foundation Day	1	66	25	91	29	15	1	16	81	26	107
Celebration of ICAR Foundation Day on 16 th July	1	68	11	79	63	5	0	5	73	11	84
Celebration of International Youth Day	1	66	25	91	36	15	1	16	81	26	107
Independence Day Celebration	1	93	57	150	34	15	1	16	108	58	166
Nutrition week celebration (Collaboration with NAAS, Kolka	1	105	210	315	75	5	2	7	110	212	322

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		Male	Female	Total	SC/ST (% of total)	Male	Female	Total	Male	Female	Total
ta Chapter)											
Celebration of Kisan Diwas/National Farmers' day (23/12/23)	1	77	23	100	39	6	1	7	83	24	107
World Environment Day	1	0	30	30	32	2	1	3	2	31	33
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi Sewa	15	423	27	450	49	14	1	15	437	28	465
Any Other (Specify)	--	--	--	--	--	--	--	--	--	--	--
Awareness Programme and FPC member Registration Campaign	1	68	11	79	40	5	0	5	73	11	84
Mass awareness cum training program	1	134	16	150	35	4	0	4	138	16	154
Farm Field School	1	12	28	40	19	3	0	3	15	28	43
Total	1142	62567	24555	87122		1888	121	1999	64455	24698	89053

OTHER ACTIVITIES

Sl No.	Nature Of Extension Activity	No. Of Activities
1	Awareness of World Food Safety Day	1
2	Interviewer of Diploma Course at RKMVERI, Narendrapur	1
3	Acting as a Resource Person	1
4	Newspaper Coverage	8
5	Radio Talk	5
6	Recipe Contest	1
7	TV Talk	4
	Total	21

Sl No.	Programme Type	No. Of Programmes
1	HRD Programmes	9
2	On Firm Trails	12
3	Frontline Demonstration	46
4	Research Paper	4
5	Book	3
6	Soil Sample Test	1250

NEW ACTIVITIES LAUNCHED in 2023-24

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs.)	Infrastructure created
1	Honey Testing Lab, Honey Processing etc.	Honey Testing, Honey Processing	NBB, Govt. of India	1,83,95,000	Lab, Storage, processing unit

BEST PRACTICES

HORIZONTAL SPREAD OF TECHNOLOGIES	
Technology	Horizontal spread
<p>Eco-friendly Management of fruit fly using pheromone trap</p>	<p>Description: During the past few decades, the atrocities of insect pests in crops have evolved as a major area of concern for the farming community as well as agriculture scientists. Consequently, to combat this issue a large number of molecules have been generated in the laboratories that can effectively control a broad spectrum of insect pests but the consistent rise in the use of these chemicals has proved to be fatal for human beings in a multifarious way starting from affecting the nerve systems to even make deteriorated overall health of a person. In a new dimension of the eco-friendly pest control arena, the use of mechanical control has played a pivotal role as a useful component of Integrated Pest Management. Pheromone trap is an effective mechanical control tool for fruit fly (<i>Bactrocera dorsalis</i> and <i>Bactrocera cucurbitae</i>) which is used to allure the male insects by using female hormones like chemicals i.e. methyl eugenol and cue lure.</p> <p>Location of implementation: This technology was first disseminated from DGKVK in the villages of Nowdapanur GP, Berhampore Block, and Binkar GP, Beldanga 1 Block within 70 farmers in 2020. After a season most of the farmers were happy and they reported that with the use of this technology at least 30 to 40 percent cost has been curtailed in terms of pesticides use. Having witnessed the in-hand results of this technology, the farmers of surrounding villages have approached the progressive farmers who were endowed with this technology already. As this trap is mostly used in cucurbitaceous vegetables and mango which are abundantly grown on the spring-summer and summer seasons respectively, the newcomers were willing to go through with this technological intervention on the summer of 2021. DGKVK has conducted several sessions covering at least 250 on related awareness as well as skill development training on this particular technology and the know-how of using this trap in their field. Moreover, in the absence of any other authorized manufacturing stakeholders of this trap, DGKVK has taken the sole responsibility for manufacturing and providing the traps to the newly trained farmers.</p> <p>Before the summer of 2022, the keenness of the farmers has reached to an unexpected level of zenith where the interested group of people</p>

	(400 nos. of farmers) came from at least 25 to 30 new villages covering three to four new adjacent blocks. This pace of horizontal expansion is undoubtedly beyond our prediction and obviously it can be concluded that this technology has gained a wider expansion and a larger end users in Murshidabad.				
	Year	No of end User	Area covered (ha)	villages	Blocks
	2020	70	3	7	2
	2021	65+250	10	7+18	2+2
	2022	61+238+400	25	7+18+27	2+2+3

Preparation of trap:

1. Make two numbers of 1-inch diameter holes on the top lid and bottom base sides in a 250 g plastic container, to allow flies to enter.
2. Heat a small piece of metal to make the holes easily.
3. Put a thread from the cover to suspend the bait.
4. Secure the pheromone dispenser aligned with the entrance holes inside the trap.
5. Put the bait in the dispenser or suspend the lure from the side holes using string or wire.
6. Close the container.
7. Attach the trap to a wooden stake or hang it on the branch of a tree.
8. If traps are used for mass trapping of fruit flies, 28-30 traps are enough for 1 ha field.

Preparation Of Lure/Bait:

1. Methyl eugenol trap against fruit flies in Mango:

- Mix Ethyl Alcohol 60 ml + Methyl eugenol 40ml + Dichlorovos 20ml (i.e. in the ratio of 6:4:2).
- Treat the pieces of wood (plywood blocks) for at least 3 days and shake well thrice a day.
- Allowed to soak for three consecutive days and then dry in the shade for an hour before packaging in plastic ziplock pouches.

2. Cue lure trap against fruit flies in cucurbitaceous vegetables:

- Mix Ethyl Alcohol 60 ml + Cue lure (p-Acetoxyphenylbutanone-2) 40ml + Dichlorovos 20ml (i.e. in the ratio of 6:4:2).
- Treat the pieces of wood (plywood blocks) for at least 3 days and shake well thrice a day.
- Allowed to soak for three consecutive days and then dry in the shade for an hour before packaging in plastic ziplock pouches.



Mass trapping of fruit fly in mango tree



Mass trapping of fruit fly in mango orchard



Mass trapping of fruit fly in pointed gourd



Mass trapping of fruit fly in ridge gourd



Mass trapping of fruit fly in ash gourd



Egg laying by female adult on gourd inflorescence

(iv) LOKASIKSHA PARISHAD – AN INTEGRATED DEVELOPMENT PROJECT

Ramakrishna Mission Lokasiksha Parishad is the development wing of Ramakrishna Mission Ashrama, Narendrapur West Bengal. It is engaged in the up-liftment and enlightenment of rural disadvantaged backward communities since decades together through various development programmes.

Ramakrishna Mission Lokasiksha Parishad, Narendrapur is the integrated appendage of Ramakrishna Mission Ashram, Narendrapur, engaged with the prime objective of rural development by rendering service through a network of dedicated non-government Community Based Organisations (CBOs), to the distressed, deprived, neglected and downtrodden of the rural community, irrespective of caste, creed or religion. The programme of Parishad is spread over 12 districts in West Bengal covering South 24-Parganas, North 24-Parganas, Purba Medinipur, Paschim Medinipur, Howrah, Hooghly, Jhargram, Murshidabad, Purba Burdwan, Bankura, Purulia and Kolkata.

The programme activities are being organized through 25 affiliated cluster organizations (constituted with the affiliated village level organisations and registered under West Bengal Societies Registration Act 1961). There are 3 Project Offices at Ajodhya and Santuri in Purulia district and Motgoda in Bankura district through which various rural development activities are also being implemented. There are 283 numbers of rural youth organisations (including 25 associated organisation) functioning at grass root level of which 04 youth organizations are working with the Lokasiksha Parishad directly without associating with cluster organizations. The rural youth organisations function at grass root level under the guidance of the clusters organisations function at middle level for bridging and coordinating with the Parishad in preparing the policy, guidelines, administration of the activities etc.

The Lokasiksha Parishad has a team of professionals and financial managers to monitor and evaluate the rural development activities launched in villages and multiple training programmes organised in campus or outside campus. The clusters at the organisational level are headed by a senior staff of the Ashrama designated as Desk- In-Charge who monitors the activities of the concerned cluster and village organisations and ensures that they function in a disciplined manner and implement programmes effectively maintaining financial transparency.

The programmes undertaken by the Parishad broadly relate to three strategic fields, viz. Human resource development, optimum utilization of local resources for rural development and environment conservation. Highlights of the major programme areas are given in the following order.

EDUCATION :

During the year under review, the educational activities organized by the Parishad were as under:

a) State Open School (Rabindra Mukta Vidyalaya):

Distance education has now become an informal mode of formal education learned at leisurely pace according to the convenience of the learners. Ramakrishna Mission Lokasiksha Parishad has contribution in fostering distance education by assisting Rabindra Mukta Vidyalaya in the shape of regular study centre where students covers basic syllabus of the Vidyalaya at the pace of the students and their convenience.

The Madhyamik Course (Secondary education) was introduced in 1997 and Higher Secondary course in 2002. The enrolment is done twice a year in June and December for Madhyamik course and for Higher Secondary is once a year. Maximum Students under this scheme are basically associated with some work in day time. Most of the Students are proficient in cultural events. They observe Teachers day, Youth day etc. in campus every year.

b) Library Services :

A Library-cum-Reading room was maintained by the Lokasiksha Parishad in its own premises. The library had a total collection of 26,819 books and 3 periodicals. The library catered to the needs of students of academic courses, trainees of vocational courses, teaching faculty and other staffs.

c) Publication :

The Parishad had a Publication Unit that brings our different types of Publications, as under:

Bengali Publication (New Title)	-	4 (during this year)
Bengali Publications (Reprinting)	-	5 (during this year)
English Publications (Reprinting)	-	1 (during this year)

The following 4 (four) books has published during the year 2023-24 :

1. Sangeet Mala
2. Sevathirtha Narendrapur
3. Vivekananda Parichay
4. Amriter Utsha Sandhane – Vol.III

d) Samajsiksha :

Samajsiksha was a literary Bengali magazine brought out by Ramakrishna Mission Lokasiksha Parishad of Ramakrishna Mission Ashrama, Narendrapur uninterruptedly since 1956. This magazine was dedicated to raising rural people's consciousness about its positive changes being affected by the people themselves to help to educate the public about their need of the day. It contained articles on contemporary issues, specially the economic uplift in the agricultural field, by eminent writers on subjects that directly concerned the society and its people and helped to promote moral, ethical and spiritual benefit of the masses.

The magazine was also an expression of the district-wide comprehensive sanitation and community development carried out by Ramakrishna Mission Lokasiksha Parishad in remote and urban areas. It involved various features of self-employment programme and vocational training carried by Parishad. It also included transfer technologies in-farm and non-farm areas, evolving new technology, use of soft and hardware materials, fertilizers and manures, seeds and saplings etc. which enjoyed an extensive market opportunity in Bengal. It was actually a mirror of the Remote-Bengal.

e) Preaching :

The Parishad organizes so many Workshop, Seminar, Anudhyan Sibir, Camps, Preaching classes etc. inside the campus and outside the campus through its different cluster organizations, gram unnayan kendras village based youth clubs for value education.

f) Vivekananda Study Circle :

Vivekananda study circle is one of the vital activities of Ramakrishna Mission Lokasiksha Parishad. The purpose of the programme is to mobilize the rural youth for their orientation in spirit and philosophy of Sri Ramakrishna, Maa Sarada and Swami Vivekananda so that in course of time the participants internalize the ideology of these great personalities for rendering selfless services to the deserving communities.

g) Sustained Graded Value Education Programme :

Sustained graded value education programme (SGVEP) was conducted involving affiliated village organisation. With initial preparation of the group like i) Chanting of selective shlokas from "Srimadbhagabat Gita" and "Upanishad", ii) Meditation, iii) Devotional chorus songs, iv) reading from the biography of different great Personalities, v) First-Aid, vi) Yoga, vi) Social Work, etc. They concentrated their programme on study of books like "Yuga-Prabartak Vivekananda", "Sri Ramakrishna Jibani", "Sri Sri Maa Sarada". Each centre conducted class once in a week. The Programme has been continuing with the support and effective effort of concerned clubs and emerging a resource groups. This programme concentrated on class IX and XI students.

WOMAN AND CHILD DEVELOPMENT:

The women and child development activities conducted by the Parishad in the reporting year are elicited in the following order:

a) Chalaman Bahini :

Chalaman Bahini or Mobile Squad was a flagship drive for Child Development undertaken by the Lokasiksha Parishad is. It aimed at developing personality and leadership of children through introduction of Bratachari, games, yoga and cultural competition, chorus and folk dance and other physical exercise, study circles, value educations, etc. For the purpose, the activities organized during reporting year were children camp, kho-kho, kabadi, leadership training, value education, re-citation and essay writing, master trainer training and youth leadership training, annual competition, sports and children rally at cluster level.

Details of Children's Rally – 2023-24

1. Children's Rally: 7
2. No. of districts: 7
3. No. of Clusters: 22
4. No. of Organisations: 122
5. Boys: 1595
6. Girls: 2810
7. Total ... 4405
8. Guardian ... 793
9. Volunteer ... 720
10. Community People: 21880 (approx.)

b) Child Development Programme:

Being the development wing of the Ramakrishna Mission Ashrama, Narendrapur, West Bengal, the Ramakrishna Mission Lokasiksha Parishad engages itself in the upliftment and enlightenment of rural disadvantaged backward communities since decades together through various development programmes. It mainly focuses on child development activities for the deprived children belonging to poor families of remote villages. Parents, especially mother's participation is ensured in such development activities through awareness generation. The various programmes and the activities undertaken are discussed below.

❖ Vivekananda Child Development Programme

Vivekananda Child Development Programme is one such programme of Lokasiksha Parishad that focuses on providing early childhood care and education to the unprivileged and unreached children of rural Bengal in the age group of 3+years to 5+ years. The objective of the programme is to ensure balanced growth of the children by developing their school going habit, right mindset towards learning, character building and social well-being during the formative stage. It aims to nurture and develop the children who are vulnerable to malnourishment, lack of clean environment, unfavourable home atmosphere and poverty posing threat for their educational and overall development. The programme encompasses various activities to ensure the physical, mental, behavioural and social development of the children by providing education, conducting preventive health check-up camps with the optimal use of local resources, awareness camps about general health, hygiene and nutrition of children. The children are provided with quality preschool education through conceptual learning, learning through play-way method and value based learning. The participation of parents as well as community is ensured in the holistic growth of the child

Promotion of Early Childhood Education:

- Presently 125 ECE centers are running in 9 districts of West Bengal covering 5281 children (Boys – 2809, Girls – 2472, SC – 1059, ST – 201, BC – 1160).
 - Early Childhood Education for the children of 3+ to 5+ years of age group.
 - Each centre is run by two or more trained lady teachers.
 - Evaluations of children are conducted twice a year.
 - Support for teaching learning materials, toys for learning in play-way method, sitting mats etc. are given.
 - Developing and upgrading reading materials and guide books.
 - Preventive health care is provided through awareness generation camps of parents/ guardians of children on general health and hygiene practices, ORS promotion, nutrition of mother and children etc.
 - Periodical orientation workshop for the teachers of ECE centers on innovative teaching methodology on Early Childhood Education.
- i. 52 monthly orientation meetings were held in 10 clusters for Organizers and Asst. organizers on methodology of teaching of different subjects, academic progress of children, syllabus, maintenance of regular communication with parents/ guardian, maintenance of attendance of children, awareness about general health and hygiene habits, ORS promotion, child care, nutrition, admission of children, preparation of question papers, evaluation of children. Total participants – 952, Female – 863, Male – 89, SC – 91, BC – 67.
- ii. 723nos. Mother's / parent's meetings were held in 10 clusters on methodology of teaching, academic progress of children, importance of practicing handwriting at home, awareness about child health, hygiene habits, nutrition, immunization,

sanitation, preventive measures against seasonal diseases, ORS promotion, evaluation of children and parent's participation. Total participants – 16865, Female – 15158, Male – 1707, SC – 1987, ST – 299, BC – 1773.

Promotion of Health and Nutrition:

1. Growth monitoring conducted on 5281 children.

Other Activities:

- Puja dresses given to 5201nos. children, Boys – 2740, Girls – 2461.
- CSR support was received from CCIL (Clearing Corporation of India Ltd.), Mumbai towards 15nos. ECE centers under Vivekananda Child Development Programme in the districts of North 24 Parganas and South 24 Parganas of West Bengal. Support was given to the centers such as blackboard, sitting mat, water filter, weight measuring machines for the centers, books, ex-books, educational charts, play materials for the children of the centers.
- CSR support was received from Axens India Pvt. Ltd. New Delhi towards 20nos. ECE centers under Vivekananda Child Development Programme in the districts of East Medinipur and West Medinipur of West Bengal. Support was given to the centers such as blackboard, sitting mat, weight measuring machines for the centers, books, ex-books, educational charts, play materials for the children of the centers.

Sponsor Relation Programme – Vivekananda Child Development Fund

Vivekananda Child Development Fund, a Sponsor Relation Programme is an initiative of Ramakrishna Mission Lokasiksha Parishad, Narendrapur to mobilize the resources from benevolent donors in supporting the children belonging to the backward, downtrodden families of rural Bengal for their educational upliftment and health care support. It is a sponsor relation programme which was launched in the year 2000 by most revered Srimat Swami Ranganathanandaji Maharaj, the then President of Ramakrishna Math and Ramakrishna Mission. Under this programme generous donors sponsor to support a child for his education. The primary objective is to provide comprehensive education and guidance to ensure the child is able to learn in a child-friendly environment, explore his talents and achieve growth.

The poor children are deprived from their minimum basic need of education owing to poverty, negligence and social inhibitions. To ensure the children their right to survival and right to get education, the sponsor relation programme was launched to secure support from compassionate individuals and organizations to save the poor children.

The Sponsorship support is given in Three Phases:

Ist Phase: Pre-primary to Madhyamik level

IInd Phase: XI and XIIth standard

IIIrd Phase: Degree / Technical education

Services under this Programme:

- Survey for selection of poor children from remote villages through our Early Childhood Education centers where quality preprimary education is given to the children under two trained lady teachers.
- Primary level educational support is being given in coaching centers run by our trained teachers.
- Secondary schooling is followed by admitting them in the formal secondary schools. Students are guided at the Special Assistance centers where subject specialist teachers coach the students.
- Support is given to all sponsored students by providing books, Ex-books, learning materials, coaching support/ coaching fees etc.
- Dresses for pujas are to all sponsored children.
- Sports and cultural activities are conducted and children are encouraged to participate in them.
- Special emphasis is given to develop good habits of the child through sanitation, hygiene education and explore the interests of the child in drawing, music, recitation, sports, dance etc.
- Evaluations are conducted 4 times in a year and annual child progress reports are prepared.
- Mother's / guardians meetings are arranged periodically to motivate and counsel parents in regard to their support for child's educational upliftment.

Sponsor Relation:

- Sponsors get photographs of their sponsored child with brief description of their family profile.
- Every year Child Progress Reports of sponsored children are sent to their sponsors.
- Sponsors may send gifts or letters to their sponsored children through Lokasiksha Parishad, Narendrapur.

Sponsorship contribution for sponsorship of one non-residential child by donor:

Phase	Educational level covered	Sponsorship Amount (INR)
First Phase	Pre Primary to Xth Standard	Rs.50000/- (one time) OR Rs.6000/- as annual instalment.
Second Phase	XI & XIIth standard	Arts/ Commerce Stream - Rs.20000/- (One time), Science stream - Rs.24000/- (One time) OR in two equal instalments for each.
Third Phase	General graduation/ Technical education	Rs.36000/- (One time) (For any stream) OR in three equal instalments.

Brief View of VCDF (2023-2024)

- Total no. of sponsors: 1211
- Total no. of sponsors in 2023 -2024 : 58
- Total no. of sponsored children in 2023-2024: 827
- No. of Boys: 411 and No. of Girls : 416
- Total no. of newly sponsored children in 2023-2024 : 59

Education Status of VCDF Children:

Educational support through sponsorship programme at:

- Coaching (Class I to X) - Total no. of children – 801, Boys – 400, Girls – 401, SC- 174, ST – 16, BC – 46.
- Educational assistance to Higher Secondary level - Total no. of children – 24, Boys – 10, Girls – 14.
- Educational assistance to Degree level - Total no. of children – 2, Boys –1, Girls – 1.

Promotion of Education:

- iii. 24nos. monthly orientation meetings of Organizers or Asst. Organizers were held in 6 clusters on VCDF programme, methodology of teaching of different subjects, academic progress of children, requirement and distribution of books and copies, measurement for and distribution of puja dresses, preparation for

evaluations, performance of children in evaluations, preparation of Child Progress Reports, awareness on general health of children, child selection for sponsorship etc. Total number of participants – 191, Male – 49, Female – 142, SC – 39, BC – 22.

iv. 88nos. Mother's / parent's meetings were held in 6 clusters on methodology of teaching subjects, academic progress of children, distribution of books and copies to children, importance of practice of reading and writing at home, evaluation of children and parent's participation. Total participants – 1702, Female – 1413, Male – 289, SC – 318, ST – 50, BC – 167.

Other activities:

- Books of 4577 Units were distributed to a total of 802 nos. sponsored children, Boys – 407, Girls –395, SC – 181, ST – 20, BC – 59.
- Copies of 15825 Units were distributed to a total of 802 nos. sponsored children, Boys – 407, Girls –395, SC – 181, ST – 20, BC – 59.
- Puja dresses distributed to 786 nos. sponsored children, Boys - 235, Girls – 156, Male – 162, Female – 233.

Note:

- ◆ The expenses for mothers' / parent's meetings and orientation meetings for Organizers and Asst. Organizers were borne by the clubs or clusters respectively.

2 new Early Childhood Education centers started under Cluster Swamiji Seva Sangha (North 24 Pgs) and Ritapath (South 24 Pgs.) during 2023-2024.

c) Ma Sarada Women Development Programme :

Sri Maa Sarada Devi, the Divine Consort of Bhagaban Sri Ramakrishna impelled Swami Vivekananda to establish a monastic organization for all round services to the humanity. Her life was a rare blend of self-effacing humility and divinity. To commemorate the 150th Birth Anniversary of The Holy Mother in the year 2003, Ramakrishna Mission Lokasiksha Parishad initiated a programme in view of Mother's cherished desire for the upliftment of poor and downtrodden women. In the name of Holy Mother, a corpus of fund titled "*Maa Sarada Women Development Fund*" was launched to help the poor and impoverished women in education, skill development and empowerment.

The main objective of the programme is to empower women particularly backward, underprivileged and distressed women. The programme undertakes different activities aiming to empower women.

d) Integrated Child Development Services (ICDS) :

Burtala ICDS Project of Kolkata district is run by Ramakrishna Mission Ashrama, Narendrapur since 1986. As per guideline of WCD & SW department of West Bengal Burtala ICDS Project provide six package of services of ICDS to the beneficiaries like nutrition, health, pre-school education etc. The Burtala project have 125 Anganwadi Centres. spreading over 17 Wards under 3 Assembly Constituency in North Kolkata. There were 100 Anganwadi Workers and 108 Anganwadi Helpers in position in the F.Y.2023-24. A CDPO, three Supervisors, Two ANMs and one Lower Division Clerk monitored the Project activities throughout the year.

During 2023-24, Burtala ICDS Project had provided Pre-Basic education on an average to 2064 beneficiaries (3 years to 6 years) every month. On an average Supplementary Hot Cook Meal distributed among 4000 target beneficiaries as per menu list for monthly basis. Immunization programme was an important part of our day to day work. Two ANMs of Burtala ICDS Project were deployed at 2 Anganwadi Centres to carry out regular immunization programme as vaccinators. Total 96 vaccination programme had been organised during the year 2023-24 under supervision of KMC. 1885 beneficiaries had been vaccinated in the routine immunization programme.

ANIMAL HUSBANDRY DEVELOPMENT :

Dairy and Poultry Development :

The existing dairy unit of Ashrama is an asset for pertaining quality training. Beside this dairy unit involves in the improvement of the local cattle breed through cross-breeding and providing green fodder seeds/cuttings to the farmer throughout the year.

This unit includes several cross breeds of well-maintained Pedigree. The cross breeds includes Holstein-Frisian (HF) x Gir; HF x Sahiwal (S) Jersey x Gir and Jersey x Sahiwal. Average milk in the 2023-24 financial year is approx. 500 Kg/day and total staffs involved in the dairy is 24 (twent- four). At present there are 133 livestock animals in the farm among them 42 are milch cows.

Beside this, the Biogas Plant of 1000 Kg/ day capacity and Vermicompost is an attached unit and an integrated part of the A.H. Farm Management. Both the units act as demonstration and training component of the learning trainees. Vermicompost production is 10 tons during this financial year. The training program conducted this financial year listed below :-

DAIRY FARM TRAININGS -- 2023-2024

Sl.	Name of the Course	Date		No. of Participants							Funded By
		From	To	M	F	Gen	SC	ST	OBC	Total	
1	MAITRI (Multipurpose Artificial Insemination Technician in Rural India)	19.06.2023	18.07.2023	0	32	21	3	3	5	32	PBGSBS (Paschim Banga Go-Sampad Bikash Sanstha)
2	MAITRI (Multipurpose Artificial Insemination Technician in Rural India)	24.07.2023	22.08.2023	0	25	10	10	1	4	25	PBGSBS (Paschim Banga Go-Sampad Bikash Sanstha)
3	CRP on Animal Husbandry (Community Resource Persons)	18.09.2023	02.10.2023	0	29	0	0	29	0	29	West Bengal Tribal Development Co-operative Corporation Ltd, Govt. of West Bengal
4	CRP on Animal Husbandry (Community Resource Persons)	23.11.2023	07.12.2023	0	31	0	0	31	0	31	WBDCC, Govt. of West Bengal
5	CRP on Animal Husbandry	22.01.2024	05.02.2024	0	30	0	0	30	0	30	WBDCC, Govt. of West Bengal

Sl.	Name of the Course	Date	No. of Participants							Funded By
	(Community Resource Persons)									Bengal

The University students from West Bengal University of Animal and Fishery Science (WBUAFS) as well as internees and also IRDM faculty Centre use to come to the unit on regular basis to learn the dairy technologies and management. The production serves the student of the Ashrama.

The bio-security and scientific disease control are the two main factors for this well maintained dairy. The Bio-security and Disease control becomes standard for different dairies for West Bengal.

❖ **Bio-security Frequency per year**

- | | |
|---|---------------------------------|
| 1. Milch test for Mastitis | 4 times |
| 2. Blood test for Brucellosis | Once |
| 3. Disinfectant Spray in Cattle Shed | Once in a week |
| 4. Use of Bio-waste materials in capacity | 1 Bio-gas plants (1000 Kg./day) |

• **Disease Control (Preventive measures) Frequency per year**

- | | |
|--|---------|
| ◆ Vaccination against B.Q.,H.S.and Anthrax | Once |
| ◆ Vaccination against F.M.D. | Twice |
| ◆ Vaccination against L.S.D | Once |
| ◆ Tuberculin Test | Once |
| ◆ Routine De-worming | 4 times |

TRAINING, ENTREPRENEURSHIP AND RESOURCE MOBILISATION :

a) Vocational Training Programme :

Vocational Training Program:

Vocational training is a skill development program that focuses on developing technical skills for a specific job or trade & prepares a person for an occupation that requires a specialised skill, such as a technician, artisan or tradesperson. It offers practical knowledge in contrast to theoretical knowledge offered by the conventional formal education system and it often leads to a certification or a diploma. It prepares a student to take up a high-paying job or self-employment almost immediately.

Ramakrishna Mission Lokasiksha Parisad (RKMLSP), Narendrapur has been playing a pivotal role in conducting the Vocational Training Program (VTP) in intensified mode aligned with the demand of the market of skilled work force. Lokasiksha Parisad, RKM, offers a learning opportunity to those who missed the formal education & provides learners with essential skills enhancing their employability, supporting their personal development and encouraging active citizenship. It provides the much-needed skilled manpower to the industry & helps the person to perform his/her job better.

Undergoing training from Lokasiksha Parisad earns the student a certification which vouches the skills of the learners and puts them in an advantageous position over informally trained candidates. It offers employment opportunities in villages and small towns, which prevents population migration to large cities.

Present Status of Vocational Training Programme conducted by Ramakrishna Mission Lokasiksha Parisad (RKMLSP), Narendrapur

The VTP programme was initiated from the beginning of the Parishad which has now grown to Thirty Two (32) trades. In 2023-24 financial year, the Parishad conducted 121 batches of vocational training (in-campus and out-campus both) covering 1,118 males and 1,431 females totaling to 2,549 trainees out of which 1,079 were belonged to SC, 34 were ST and 294 were belonged to OBC, those who came from different districts of West Bengal. On completion the trainees became either self-employed or working in different befitting agencies and also became capable to improve their life and livelihood.

The VTP run by LSP is generally the combination of eight operational processes for each financial year as follows:

- ✓ Curriculum development with need based modification
- ✓ Selection and enrolment of the trade specific trainees through proper counselling/guidance
- ✓ Imparting Theoretical and Practical training by experienced faculties
- ✓ Quality assurance through regular monitoring
- ✓ Soft skill development training
- ✓ Entrepreneurship Development training
- ✓ Assesment and Certification
- ✓ Training of trainers.

b) Training-cum-Production (TCP) :

Industrial Cell at Ramakrishna Mission Lokasiksha Parishad was initiated in the year 1979 with the financial support of Cottage and Small Scale Industries Department, Government of West Bengal with a purpose to extend employment opportunities for the unemployed and school drop-out youth by imparting hands-on-training on different trades. The Parishad introduced few training-cum-production units to make the trainees familiar with

the practical job. The Parishad runs carpentry, apiary, fruit processing, dhup making, candle making, paper making, etc. Rural youths received intensive training from training cum production units like Carpentry, Apiary, Fruited Processing, Candle Making, Tailoring, Dhup Making, etc. including the entrepreneurship inputs. All the training programmes were imparted by a group of experienced and efficient trainer and guidance of whom made the trainees self-sufficient to earn their livelihood either through employment in other establishment or became self-employed having their own entrepreneurship.

Finished products came out from the process of the practical training were sold through an outlet run by the Parishad.

Sundarban Development Board (SDB), GoWB, supported

Farmers' training Programme'2023-24

Ramakrishna Mission Lokasiksha Parishad (RKMLSP), Narendrapur as a project implementing Institution launched a farmers level training project entitled – 'Capacity development and Income generation of farmers through training on sustainable Jal-krishi, livestock development and agricultural activities in Mathurapur I, Mathurapur II Block of South 24 Parganas and Hingalganj Block of North 24 Parganas – Part III', Financial Year-2023-2024, with support of the Department of Sundarban Affairs, Sundarban Development Board (SDB), GoWB. The project was launched on 17th of November'2023 and came to an end in the month of March'2024.

The project has three **specific objectives** which include –

- A. Creation of Trained farmers with the knowledge of low-cost and environment-friendly farming techniques, and practical solutions.
- B. Generation of community level awareness on sustainable environment in the farmers' dominated villages and at rural schools.
- C. Strengthening rural based institutions/ CBOs in the project area with special emphasis on farmers' well-being and in farm sector.

The project was implemented with support of village based cluster organization:

1) **Raidighi Nibodhata** and its associated clubs for Mathurapur I and Mathurapur II Block area of South 24 parganas and 2) **Mayer Sansar** and its associated clubs for Hingalganj Block of North 24 Parganas in approximately 50 villages of 11 Gram panchayats in four Blocks including Mathurapur I, Mathurapur II, Hingalganj and kultali Block (as an extended area of the project).

- ❖ A total of 29 training programmes on the basis of local need in farm sector were imparted to 725 marginal farmers to disseminate scientific and low cost indigenous techniques among the farmers.

- ❖ A total of 17 nos awareness generation Programme on 1. Save soil, 2. Green school Programme were conducted at school and community level, through which, 2660 marginalised local people was reached out with the message of sustainable environment in school and community.
- ❖ 25 farmers were considered for each batch of the training, in which, participation of women farmers was prioritized. Women farmers participated in the training programme was 450 which is approximately 62% of the total 725 trainees.
- ❖ In awareness generation programme, women's participation was approximately 53%, which indicates that the project has successfully reached out to the comparatively higher percentage of rural women with a meaningful message on safer and sustainable environment.

Project at a Glance: Activity, Area a Population wise data

S. No	Activity Description	Total Trainings completed as per proposed Target			No. of Participants in each programme			Total Trainees received trainings and Inputs		
		MI*	M II	H*	MI	M II	H	MI	M II	H
A	Capacity Development & Income Generation									
1	Five days training on Rhod Island Red (RIR) Chicks, Karaknath, BB-380 and Khaki Campbell Duck farming	2	4	3	25	25	25	50	100	75
2	Five days training on Fish farming, Indian major Carp farming, Prawn culture technology	2	4	3	25	25	25	50	100	75
3	Three days orientation of farmers on the promotion of bio based farming, Integrated farming System	1	3	--	25	25	--	25	75	--
4	Five days training on Black Bengal Goat farming and Cattle Rearing	--	--	3	--	--	25	--	--	75
5	Five days training on Vermi Compost, Organic manure, Vegetable Cultivation and Managing Kitchen Garden	--	1	--	--	25	--	--	25	--
6	Three days training on Seedbed preparation and Nursery Management	1	2	--	25	25	--	25	50	--

S. No.	Activity Description	Total Trainings completed as per proposed Target			No. of Participants in each programme			Total Trainees received trainings and Inputs			
	Total No. of Trainings and Trainees	6	14	9				150	350	225	
B	Awareness generation	Block Areas					No. of participants				
		MI	MII	H	NDP	KUL	MI	MII	NDP*	Kul*	
7	Save soil, Plantation drive for resource creation in the selected villages with support of local clubs, Community, Gram Panchayat	1	4	--	1	1	60	240	1500	60	
		MI	MII	H	NDP	KUL	MI	MII	H	KUL	
8	Green school Programme (Plantation drive and No-plastic in school) with support of school and community	3	4	2	--	1	240	320	160	80	

*M I stands for Mathurapur I Block

*M II stands for Mathurapur II Block

*H stands for Hingaljanj Block

*NDP stands for Narendrapur campus Block

*KUL stands for kultali Block

Implementation Strategy for Community managed Decentralized System:

In line with the proposed implementation strategy, the grass root level planning and implementation were in place through the tested decentralized system (Three tier rural development model of RKMLSP) wherein, the village based cluster organization (at tier 2 level) - Raighi Nibodhata, South 24 Parganas, and Mayer Sansar, North 24 Parganas and the associated clubs, and then the local communities, the club members (at tier 3 level) were working together for the grass root level implementation of the project under the direct guidance of the apex body (at tier 1 level) –Ramakrishna Mission Lokasiksha Parishad (RKMLSP), Narendrapur.

Project outcome:

- a) The capacity of 725 marginal farmers was enhanced directly through imparting 29 nos training and orientation on Agricultural and agri-allied issues
- b) New Knowledge and awareness has been generated among 1200 farmers on the risks of dying Soil and importance of organic components of the cultivable soil
- c) Selected 175 farmers received practical knowledge on seedbed preparation, Nursery management, Integrated farming System (IFS), Bio based farming and low cost scientifically built techniques in agriculture
- d) Selected 225 farmers received practical knowledge on pre-conditional measures regarding requisites of water testing at site under aquatic management for fish farming, use of indigenous process for low cost implication in the balancing of acidity and alkalinity of water bodies. Apart from that the farmers received new knowledge on scientific use of fish feed, normal and steady growth of fingerlings, scientific process of preventing different and common diseases of fish.
- e) Selected 225 women farmers received new knowledge on poultry farming, specifically with regard to highly productive varieties like RIR, BB-380 and Bonoraja.
- f) Selected 75 farmers received training on Goat farming, scientific process of rearing Black Bengal Goat, Disease control mechanism, preparation and use of fodder for steady growth of Goat and cattle.
- g) The project has successfully mobilized local resources, sharpened the traditionally built indigenous process relating Agriculture and Agri allied initiatives in Mathurapur I, Mathurapur II block areas of South 24 Parganas and Hingalgnaj Block areas of North 24 Parganas.
- a) MSME&T, GoWB supported Entrepreneurship Development training Programme, 2023-24 in the campus of RKMLSP, Narendrapur.

Ramakrishna Mission Lokasiksha Parishad (RKMLSP), Narendrapur has successfully completed the implementation of the project entitled- 'Promotion of EDP model for the unemployed Young Adults: Part II' during the Financial year 2023-24, in collaboration with the Department of MSME&T, Government of West Bengal.

The special focus was given on imparting training to Women's Group besides imparting training to a large group of unemployed young male candidate in the age group of 18-35 years. In continuation of the Entrepreneurship Development Programme, in last financial

year' 2022-23, a new training plan was devised in 2023-24 aligned with the following core objectives.

- ❖ To provide necessary support to the young trainees to germinate an improved idea on Entrepreneurship development in their thought process and also provide technical knowledge for practical application
- ❖ To adequately impart training to the young trainees about the significance of EDP in developing self-employment opportunities and building professional career and to motivate them towards self-employment
- ❖ To create a competent and skilled young group of trainees fit for the dynamic and competitive labour market
- ❖ To develop alternative income generating opportunities for the benefit of the youths in the critical situation of labour market.

In accordance with these objectives, the below mentioned fourteen (14 nos) trainings on three different topics were imparted to 280 nos. unemployed young candidates (210 Male, 70 female) those were selected from eight (8 nos) vocational training courses namely- i) AC& Refrigeration, ii) Telephone & Mobile repairing, iii) Electric Wireman & Motor Winding, iv) Electric Wireman, v) 2-3 Wheelers repairing, vi) Radio TV repairing, vii) Advanced Beautician, and viii) Tailoring run by the Vocational Training unit of Ramakrishna Mission Lokasiksha Parishad (RKMLSP), Narendrapur. The said training commenced on 06.02.2024 and came to an end on 05.03.2024.

S. No.	Topics of the Training	No. of Training(s) imparted	Average Batch size	Total participants
1	Three days' training-cum-orientation on soft skill development with special emphasis on Business communication and network creation	6	35	210*
2	Three days Women Entrepreneurship Development Programme (WEDP): Developing Entrepreneurial skills, new ideas and Challenges, the importance of value education for the potential entrepreneurs	2	35	70
3	Training 3. Three days training on Developing Entrepreneurial skill; how to start and run a business, quality management to run Production Unit, Servicing Unit and Marketing Unit.	6	35	210*
	Total Trainings imparted	14		280

* refers to same group of trainees

● **Empanelled Training Institution:**

The Empanelled Training Institution (ETI-Ramakrishna Mission Ashrama, Narendrapur) erstwhile Training Orientation and Research Centre (TORC), Narendrapur had been conducting orientation training programmes for NSS Programme Officers since 1986 and playing a vital role in imparting training of NSS Programme Officers for the states of Jharkhand, Bihar and West Bengal, who were undoubtedly the backbone of NSS.

But, from the year 2019-20 as per the decision of the Ministry of Youth Affairs & Sports, Government of India the functions of ETI, Ramakrishna Mission Ashrama, Narendrapur had been restricted to the state of West Bengal only.

Functions of the ETI-Ramakrishna Mission Ashrama, Narendrapur are as follows:

- ❖ Organizing Orientation Courses for NSS Programme Officers.
- ❖ Attending Advisory Committee Meeting of various Universities, Colleges and H. S. Councils and offering suggestions for innovative NSS programmes.
- ❖ Providing assistance to Universities, Colleges and H. S. Councils in planning and conducting regular and special camping programmes.
- ❖ Developing and providing consultancy services to Universities and Colleges/Schools in different areas of programme planning, training of NSS volunteers, supervision, evaluation etc.
- ❖ Maintaining linkages with the State NSS Officers of different states, Programme Coordinators of different Universities and Higher Secondary Councils, NSS Regional Centres and NSS Programme Advisors Cell at New Delhi.

However during the financial year 2023-24 no training programme has been conducted.

JAN SHIKSHAN SANSTHAN:

Introduction

Imparting vocational skills in non-formal mode to non-literate, neo-literates, persons with rudimentary level of education up to 8th standard and school drop-outs up to 12th standard of education in the age group of 15-45 years has become a mandate of Jan Shikshan Sansthan of Ministry of Skill Development and Entrepreneurship, Government of India. In addition to imparting vocational skills in non-formal mode JSS used to conduct various activities for awareness building and social mobilization like observation of notable days, birthdays of famous personalities and various other activities like Swacchhta Pakhwada, National Yoga Day, National Skill Day, Ex-trainees' Meet, Constitution Day, Janajatiya Gaurav Diwas, Netaji's Birth Day a Parakram Diwas, Republic Day, International Women's Day, etc. The priority groups are women, SC, ST, minorities and other backward sections of the society. JSSs are reaching to the unreached areas to cater the needs of the poorest of the

poor. They work at the door step of the beneficiaries with a minimum infrastructure and resources. Considering the need and importance of promoting better opportunity for wage employment and self-employment to the unemployed youths, JSS conducted some training and other activities, took initiative for collecting data on success stories, maintaining database portal of JSS, planning and organizing meeting at various levels like meeting of the Board of Management, meeting of the Executive Committee Members, meeting of the Collaborating Agencies, identifying new RPs having vocational education in domain skills and arranging placement linkage camp for potential resource organizations deserving to extend opportunities of wage employment to ex-trainees in the district of South 24 Parganas and slum areas of Kolkata Metropolitan areas. All about these activities, trainings, special initiatives taken up during year 2023-2024 could be described in brief herewith as follows:

1. Conducting Vocational Training Courses:

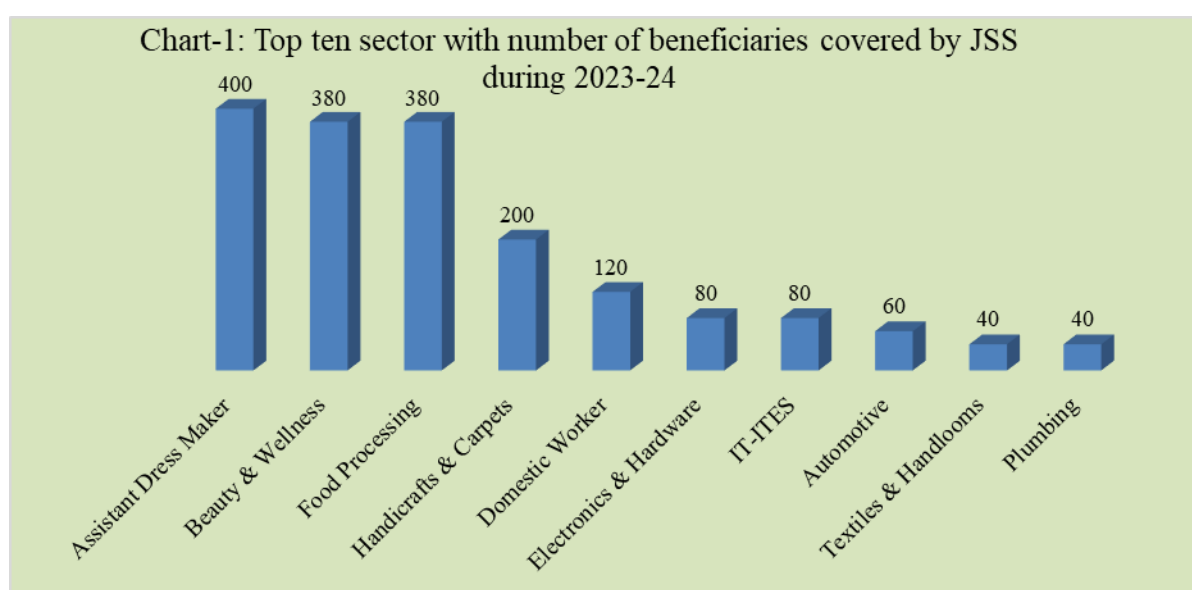
As per approved plan of action by the DJSS, MSDE Government of India, the JSS Narendrapur was able to achieve the target for the year 2023-24 which could be seen herewith as follows:

Name of the Sector	Name of course	No of batches	
		Planned	Achieved
Apparel, Made-Ups & Home Furnishing	Assistant Dress Maker	20	20
Automotive	Helper- Two/Three Wheeler Mechanic	3	3
Beauty & Wellness	Beauty Care Assistant	19	19
Capital Goods & Manufacturing	Assistant - Welder & Fabricator	1	1
Domestic Worker	Domestic Care Attendant	6	6
Electronics & Hardware	Helper - Electrical Technician	2	2
Electronics & Hardware	Helper -Wireman	2	2
Food Processing	Assistant - Fruits and Veg. Processing & Preservation	19	19
Handicrafts & Carpets	Assistant Hand Embroider- (Phulkari / Chickankari / Kashmiri / Zari Zardozi / Kantha)	2	2
Handicrafts & Carpets	Assistant - Jute Craft Product Maker	2	2
IT-ITES	Assistant Computer Operator	4	4
Plumbing	Assistant- Plumbing and Sanitary Work	2	2

Textiles & Handlooms	Assistant Textile Printer	2	2
Handicrafts & Carpets	Stringing/Beading/ Artisan (Fashion Jewellery)	6	6
Total		90	90

The achievement of the above batches of training included 47 batches conducted by the affiliated clusters/ youth organizations of Ramakrishna Mission Lokasiksha Parishad of Ramakrishna Mission Ashrama Narendrapur in the district of South 24 Parganas and remaining 43 batches were conducted by other organisations directly associated with JSS, Ramakrishna Mission Ashrama, Narendrapur.

II.c. Sector wise trend of coverage of the beneficiaries of JSS



The chart-1 above shows that the sector like assistant dress maker (apparel made up and home furnishing), Beauty and wellness, food processing are the first, second and third highest sector in terms of coverage of the beneficiaries.

II.d. Social category and education level of beneficiaries covered by JSS

These have been presented in the chart 2 and chart 3 as follows:

Chart-2: Social category of the beneficiaries covered by JSS during 2023-2024

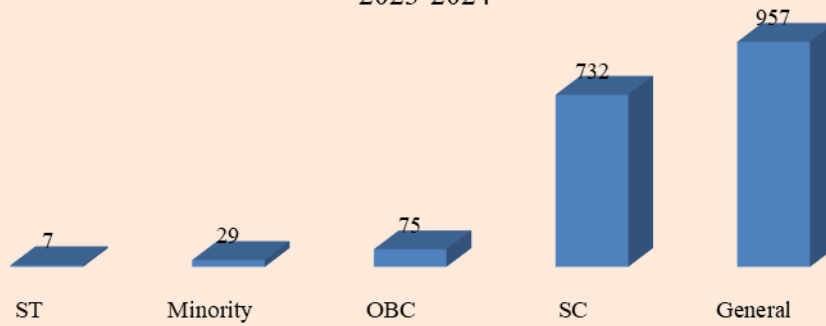
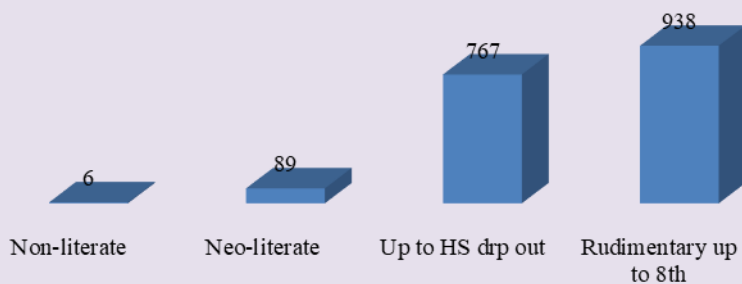


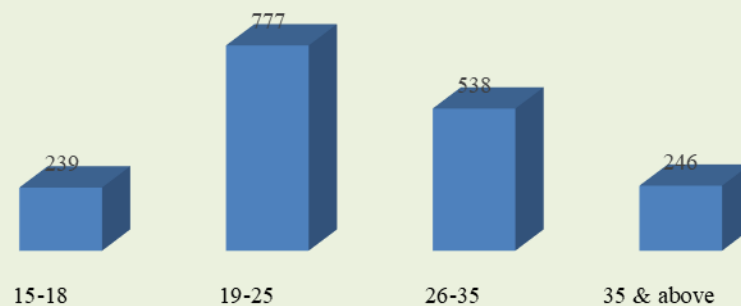
Chart-3: No. of beneficiaries covered during with level of education



It is seen in the chart 2 that majority (957) about 53% have been from general caste category followed by 41% from SC category. In terms of educational background, the chart 3 above shows that majority (938) about 52% are having rudimentary up to 8th standard of education followed by (767) about 43% up to HS drop outs. There are about 1% beneficiaries having non-literacy.

II.e. Age of the beneficiaries covered by JSS has been presented in the chart-4 as follows:

Chart-4 age group wise distribution of beneficiaries covered during 2023-24



It shows that about 43% have been from 19-25 years of age group followed by 30% from 26-35 years of age group, 14% are above 35 years and rest 13% are in the age group of 15-18 years.

2. Conducting Other Activities:

During the year 2023-2024 different activities were conducted as per guidance and instructions issued by the Additional director, DJSS, MSDE, Government of India from time to time and some initiatives taken up as per local importance or traditions which were pointed out as follows.

2.a. Tools Kits Support to Ex-trainees (11/04/23):

We have learnt from our former Director, Sri Nirmal Kumar Pattanayak that Rotary Club of Metropolitan East is going to extend tool kits support to some trained electrical technicians who are economically weak and poor but engaged in practicing their skills for their self-employment. JSS, Narendrapur organized a selection camp and identified 27 ex-trainees through interact and counseling process on 11.04.2023.

2.b. Preparation of Annual Action Plan for the year 2023-2024:

For submission of annual action plan to the Directorate of Jan Shikshan Sansthan, Government of India for the year 2023-2024 we collected demand of course list from collaborating agencies as per their local needs and placed to the BOM held on 31st March 2023. After that as per instruction of the Directorate of JSS, MSDE, Government of India it was submitted online through JSS Portal for 90 batches for the approval.

2.c. Data Collection of Success Stories and SHG from ex-trainees:

As per routine work Jan Shikshan Sansthan collected success stories from our ex-trainees from different location of South 24 Parganas district.

2.d. Promoting Advance Skill:

As per instruction received from ITI, Tollygunje we have sent two numbers of ex-trainees for Advanced Plumbing Training who got Assistant Plumbing and Sanitary Works training successfully and engaged in practicing their skills for their self-employment.

2.e. Observation of Labour Day on 1st May:

This activity under Azadi Ka Amrit Mahotsav, Government of India, commemorating 75th years of Indian Independence organised at Raidighi Nibodhata on 1st May, 2023.

2.f. Three days Capacity Building Workshop for JSS Officials (May 9-11, 2023):

Capacity Building Workshop phase wise for all JSS officials centrally organised by the Institute of Rural Management Anand (IRMA), Gujrat. It was arranged at Sinhgad Institute of Management, Lonavala, Pune, Maharashtra for three days and JSS Ramakrishna Mission Ashrama, Narendrapur was accommodated in the second batch having duration from 9th to 11th May, 2023.

2.g. One Day Orientation Programme for Collaborating Agencies (May 21, 2023):

The programme was arranged on 21st May, 2023 at Srma Sarada Hall of Ramakrishna Mission Lokasiksha Parishad, Narendrapur. Almost 43 participants from different agencies were present in this programme.

2. h. One Day Orientation Programme for Resource Persons (May 22, 2023):

The orientation programme was arranged for the Resource Persons of various sector of vocational training of JSS Narendrapur with duration of one day for the first batch was held on 22nd May, 2023.

2. i. Mehendi Competition (May 30, 2023):

This competition was organised at the Conference Hall of Jan Shikshan Sansthan, Ramakrishna Mission Lokasiksha Parishad on 30th May, 2023. Among of the participants, 25 trainees of Beauty Care Assistant participated with enthusiasm as a contestant.

2. j. Jan Bhagidari Events (June 1-15, 2023)

National Skill Development Corporation has identified the activities to be observed by Jan Shikshan Sansthan under Jan Bhagidari Events from 1st to 15th June, 2023.

Day-1: Inauguration & Workshop on New Age Entrepreneurship & Entrepreneurship Quiz Competition on 1st June: The Celebration of Jan Bhagidari (People's Participation) Events was inaugurated on this day of 1st June 2023 at the premises of the JSS, Ramakrishna Mission Ashrama Narendrapur.

Day-2: Financial Literacy on 2nd June: The Workshop was organised by JSS Narendrapur at its training center at Kamarpota Milan Sangha, Raidighi on 2nd June 2023.

Day-3: Swachhhata Campaign on 3rd June: As a part of the celebration of Jan Bhagidari Events, on the side line of G20 Education Working Group Meeting, Swachhhata Campaign was organised by JSS, Narendrapur(WB) on 3rd June 2023.

Day-4: Rallies on 4th June: A Rally was organised by JSS Narendrapur at its training center at Harendranagar Sabuj Sansad under Sebangon on 4th June 2023 with 32 participants

Day-5: Tree Plantation Drive on 5th June: As a part of the celebration of Jan Bhagidari Events, Tree Plantation Drive was organised by JSS Narendrapur at its training centre at Bhagat Singh club under Raidighi- Nibodhata, on 5th June 2023 with 59 participants.

Day-6: Face Painting on 6th June: Face Painting Competition was organised by JSS Narendrapur at the Conference Hall of Ramakrishna Mission Lokasiksha Parishad on 6th June 2023 with 43 participants.

Day-7: Career Counselling Sessions on 7th June: Career Counseling Session was organised by JSS Narendrapur at its training centre at Gosaba Rupayan on 7th June 2023 with 36 participants.

Day-8: Debate Competition on 8th June : Debate Competition on the topic 'Skill based learning VS General education: Solution to Unemployment' was organised by JSS Narendrapur at its training centre at Sagar Mangal, an affiliated Cluster of Ramakrishna Mission Lokasiksha Parishad at the border to Gangasagar on 8th June with 53 participants.

Day-9: Expert Lecture by Industry Speaker on 9th June: Expert Lecture by Industry Speaker was organised by JSS Narendrapur at the Conference Hall of Ramakrishna Mission Lokasiksha Parishad on 9th June 2023 with 47 participants.

Day-10: Financial Literacy on 10th June: The Financial Literacy Programme was organised by JSS Narendrapur at its training centre at Raidighi Nibodhata, on 10th June 2023 with 32 participants.

Day-11: Story Making Competition on 11th June: Story Making Competition was organised by JSS Narendrapur at its training centre at Kalugachhi Vivekananda Seva Sansthan on 11th June 2023 with 30 participants.

Day-12: Slogan Writing Competition on 12th June: Slogan Writing Competition was organised by JSS Narendrapur at its training centre at Janardhanpur Sri Ramakrishna Vivekananda Seva Kendra on 12th June 2023 with 33 participants.

Day-13: Career Counselling Sessions on 14th June: Career Counselling Programme was organised by JSS Narendrapur at its training centre at Sundarban Kalpataru on 14th June 2023 with 46 participants.

Day-14: Workshop on 15th June: At the end day of the celebration a Workshop on Entrepreneurship was Organised by JSS Narendrapur at the Conference Hall of Ramakrishna Mission Lokasiksha Parishad, with a number of 46 participants.

2. k. Counselling and Selection of Trainees:

During the month of June attempt was made to conduct Counselling cum selection of trainees for training on Assistant Dress Maker, Beauty Care Assistant and Stringing and Beading Artisans (Fashion Jewellery) the aspirant trainees.

2. l. Placement Linkage camp on 22nd June:

Placement linkage camp was organised by Jan Shikshan Sansthan for the trainees of Assistant Dress Maker on 22nd June, 2023.

2. m. Celebration of Azadi Ka Amrit Mahotsav:

Azadi Ka Amrit Mahotsav was celebrated to commemorate the 75 years of Indian Independence by organizing the following activities period of 5th June to 30th June, 2023.

➤ World Environment Day on 5th June :

The Programme was organised by JSS Narendrapur on 5th June, 2023. The event was conducted successfully with whole hearted participation and awareness about plants.

➤ Observation of International Yoga Day on 21st June:

Observing International Yoga Day on 21st June, 2023 was one of the enlisted activities. In order to observe the 9th International Yoga Day, Jan Shikshan Sansthan Narendrapur made a collaborative approach to utilize this occasion as there was immense potential for generating public interest in yoga in support of Vocational Training Unit of Ramakrishna Mission Lokasiksha Parishad of the Ashrama with greater participants of around 200 persons.

➤ Plantation Drive (Go Green) Programme on 28th June:

Tree plantation drive was organized by Jan Shikshan Sansthan in the campus of Ramakrishna Mission Lokasiksha Parishad of the Ashrama on 28th June, 2023 with 41 participants

➤ Organising Skill Competition on Different Job Roles on 30th June:

Skill competition on various trades such as dress making, different hair styling, jewellery making were organised by JSS, Narendrapur at the Conference Hall of Jan Shikshan Sansthan on 30th June, 2023 with 70 participants.

2. n. Observation of Swachhhata Pakhwada:

On the occasion of 75 years of Independence the following Swachhhata Pakhwada activities were organised in the period from 15th July to 31st July, 2023 as a part of the celebration of Azadi Ka Amrit Mahotsav:

Day-1: Pledge Taking on Swachhhata Pakhwada (15/07/23): It was organised at the Conference Hall of Jan Shikshan Sansthan, Narendrapur on 15th July, 2023 with a number of 41 participants.

Day-2: Prevention and Control about Vector Borne disease and COVID-19 (17/07/23): It was organised by Jan Shikshan Sansthan, Ramakrishna Mission Ashrama, Narendrapur at its training centre at Gosaba Rupayan on 17th July 2023 with 39 participants.

Day-3: Personal Hygiene and Cleanliness (18/07/23): Pledge on Swachhhata Pakhwada and awareness to trainees on personal hygiene and cleanliness was organized at Rotary Vivekananda School and Skill Development Centre, Jamtata with 35 participants.

Day-4: Slogan writing Competition on the Importance of Cleaning for Good Health at Workplace (19/07/23): Slogan writing competition on the importance of the event of Cleaning for Good Health at Workplace was organized at Kalugachi Vivekananda Seva Sanstha with 33 participants.

Day-5: Meeting on the Waste Management (20/07/23): Meeting on the Waste Management was arranged at Maa Kali Swanirvar Dal, Budgebudge where a number of 55 participants were present.

Day-6: Competition among Trainees on Preparation of Decorative Masks (21/07/23): Competition of trainees on preparation of decorative masks was arranged at the Premises of Jan Shikshan Sansthan, Narendrapur where a number of 38 participants.

Day-7: Demo on Vermi Compost/ Water Management (22/07/23): Demo on Vermi Compost/ Water Management was organised at the Conference Hall of Jan Shikshan Sansthan, Narendrapur with a number of 35 participants.

Day-8: Demo on Vermi Compost/ Water Management (24/07/23): Demo on Vermi Compost /Water Management was organised at Sundarban Sevangan with a number of 30 participants.

Day-9: Demo on Vermin Compost/ Water Management (25/07/23): Demo on Vermi Compost /Water Management was organised at Sagar Mangal with a number of 31 participants.

Day-10: Lecture on Importance of Plantation of Trees (26/07/23): Lecture on the importance of Plantation of Trees was arranged at Halidia Anushilan Samity where 26 participants were present.

Day-11: Door-to-Door Survey and Awareness on Sanitary Pad (27/07/23): Door-to-door survey and awareness on Sanitary Pad was conducted by Nari Shakti Foundation, Garia where 55 participants were present.

Day-12: Awareness Programme on Use of Toilet /Reduction in Single Use Plastics (28/07/23): Awareness on use of Toilet/ reduction in single use plastics was organized at Sitarampur Vivekananda Seba Pratistan with 44 participants.

Day-13: Awareness Programme on Use of Toilet / Reduction in Single Use Plastics (30/07/23): Awareness on use of Toilet/ reduction in single use plastics was organized at Dharapara Swami Vivekananda Seva Sangha with 24 participants.

Day-14: Shram Daan and Weeding out of the Old Records of JSS (31/07/23): Shram Daan and weeding out of the old records of JSS at the headquarters of Jan Shikshan Sansthan, Narendrapur with 40 participants.

2.p. Swad Mahotsav (Food Festival) on 14th August, 23: The Swad Mahotsav was organized by Jan Shikshan Sansthan, Narendrapur at its campus on 14th August 2023 with varieties of food items both the veg and no-veg having prices in the range from Rs. 5 to Rs.50.

2.q. Observation of the Independence Day on 15th August, 23: As per usual practice and enlisted activities under the Azadi Ka Mahotsav, the Independence Day was observed on 15th August 2023 at Penguin Club, Bishalakshipur, Kakdwip with flag hosting, recitation, cultural programme and lecture.

2.r. Ex- trainees Meet and Certificate Distribution on 30th August,23: As per schedule plan of activities, the Ex- Trainees Meet and Certificate Distribution programme was arranged on 30th August, 2023 at Rotary Vivekananda School and Skill Development Centre, Kultali for 23 trainees of Assistant Dress Maker and Assistant Computer Operator.

2.s. Celebration of Teachers' Day on 5th September, 2023: This event was celebrated on 5th September, 2023 at the Conference Hall of JSS Narendrapur to pay sincere gratitude to all trainers and other stake holders.

2.t. Ex- trainees Meet and Certificate Distribution: As per schedule plan of activities, the Ex-Trainees Meet and Certificate Distribution programme was arranged on 14th September, 2023 at Sahamarmi Garia and a number of 16 trainees of Beauty Care Assistant was given certificate.

2.u Awareness on Financial Fraud Prevention by ICICI Foundation (16/09/23): It was held for building awareness and disseminating information on financial fraud and its preventive measures for the trainees of JSS on 16th September, 2023 at the Conference Hall of JSS, Narendrapur in which a number of 61 trainees took part.

2.v. Placement Linkage Camp (19/09/23): It was organized on 19 the September, 2023 at the Conference Hall of JSS Narendrapur for deployment of Master Trainers for the tailoring training of the ARCS, South 24 Parganas under the Department of Cooperation, Government of WB.

2.w. Kaushal Dikshant Samaroh (20/09/23): As per instruction of the DJSS of the MSDE, Govt. of India, this programme was organised to distribute the certificate of ex-trainees of JSS of 2022-2023 at the Conference Hall of JSS Narendrapur on 20th September, 2023.

2.x. Swachhhata Hi Seva: It was organized in all the training centres associated with JSS in the district of South 24 Parganas to make the campaign of "Garbage Free India" a grand success. About twelve events were organized from 1st to 31st October 2023 which are briefed as follows:

4. Swachhhata Diwas (01/10/23)

On 1st October, 2023 Swachhhata Diwas was organised all the training centres associated with Jan Shikshan Sansthan, Narendrapur in the district of South 24 Parganas to make the campaign of 'Ek Tareek, Ek Ghanta, Ek Saath 'a grand success with 637 participants.

5. Gandhi Jayanti (02/10/23) :

Jan Shikshan Sansthan Narendrapur celebrated Gandhi Jayanti, the birth anniversary of Mahatma Gandhi, the Father of the Indian Nation at its training centre at Raidighi Nibodhata on 2nd October, 2023 with 40 participants.

6. Taking Swachhhata Pledge and Pledge for single use Plastic Ban and Zero Waste Events (05/10/23):

Taking Swachhhata Pledge and Pledge for single use Plastic Ban and Zero Waste Events were organised at Dharapara Swami Vivekananda Seba Sangha on 5th October, 2023 with 20 participants.

7. Taking Swachhhata Pledge and Pledge for single use Plastic Ban and Zero Waste Events (06/10/23):

The event was organised at Maa Kali Swanirbhar Dal on 6th October, 2023 with 44 participants

8. Taking Swachhhata Pledge and Pledge for single use Plastic Ban and Zero Waste

This event was organised at Sundarban Sevangan on 7th October, 2023 with 26 participants.

9. Organising Cleanliness Drives at Office Premises, Adjacent Areas and Public Places (09/10/23) :

It was organised by Jan Shikshan Sansthan, Narendrapur at the premises of Ramakrishna Mission Ashrama Narendrapur on 9th October, 2023 with 18 participants.

10. Adopting the two-bins-and-one-bag Method for Segregation of Waste at Sources for households and ethical Waste Management practices for Business (10/10/2023): It was organised at Jelerhat Ghola Mitali Sangha on 10th October, 2023 with 21 participants.

➤ Adopting the two-bins-and-one-bag Method for Segregation of Waste at Sources for households and ethical Waste Management practices for Business (11/10/2023) :

It was organised at Mathurapur Sabuj Sangha on 11th October, 2023 with 35 participants.

➤ Supporting Campaign for clean public Toilet (13/10/23):

Supporting Campaign for clean public Toilet was organised at Kalugachi Vivekananda Seba Sanstha on 13th October, 2023 with 32 participants.

• Adopting Lifestyle for Environment (LiFE Actions)-Save Water (16/10/23):

It was organized at Sundarban Ramakrishna Sevashram on 16th October, 2023 where a number of 46 participants.

• Adopting Lifestyle for Environment (LiFE Actions)-Save Water (18/10/23):

It was organized at Raidighi Nibodhata, an affiliated cluster of Ramakrishna Mission Lokasiksha Parishad on 18th October, 2023 where a number of 19 participants.

➤ Organising Cleanliness Drives at Office Premises, Adjacent Areas and Public Places (30/10/23):

It was organised by Jan Shikshan Sansthan, Narendrapur on 30th October, 2023 at the premises of the JSS, Ramakrishna Mission Ashrama Narendrapur with a number of greater participants.

2.y. Kaushal Dikshanta Samaroh (12/10/23): Kaushal Dikshanta Samaroh (Skill Convocation Ceremony) was organized by Jan Shikshan Sansthan, Ramakrishna Mission Ashrama, Narendrapur, at the Conference Hall of JSS on 12th October, 2023.

2.z. Apna Chandrayaan Programme (17/10/23): The live telecast of the Apna Chandrayaan programme was shown at the office room of JSS Narendrapur where the Director and other officials of JSS Narendrapur participated.

2.aa. Rashtriya Ekta Diwas/ National Unity Day (31/10/23): Jan Shikshan Sansthan, Ramakrishna Mission Ashrama Narendrapur celebrated National Unity Day on 31st October to commemorate the birth anniversary of Sardar Vallabhbhai Patel, the Iron Man of India.

2.ab. Certificate Distribution and Ex-trainees' Meet (2.11.23 & 6.11.23): It was organized at Gosaba Rupayan on 2nd November along with an orientation camp for statutory formalities for entrepreneurship. The same event was also organized at Pathankhali SVS on 6th November, 2023.

2.ac. Placement Linkage Camp (07/ 11/23): The camp was organized at JSS Narendrapur for deployment of master trainers in their skill training programmes.

2.ad. Live streaming of the meeting on MOU for Building Alliance to Shape the Future of Skill Development at New Delhi (09/11/23): It was broadcasted at the meeting room of the JSS Narendrapur as per direction of the DJSS, Government of India.

2.ae. Webinar on 3rd Jana Jatiya Gourav Diwas (17/11/23): The Webinar was organized online on 17th November, 2023 with the special lecture given by the invitee speaker Dr. Suman Kalyan Samanta, Professor of Anthropology, Mahishadal Girls' College, Vidyasagar University.

- ◆ Awareness Camp on Government Programme and Policies for Tribal in India (21/11/23):

It was held for building awareness on Government Programmes and Policies for Tribal in India on 21st November, 2023 at Kuemuri Lat.

- Quiz Contest on role of tribal freedom fighters in freedom movement in India (22/11/23):

The quiz contest was organized at Gosaba Rupayan, an affiliated cluster of Ramakrishna Mission Lokasiksha Parishad on 22nd November, 2023 with 22 participants.

- Essay Writing Competition on the contributions of tribal communities in National History (23/11/23) :

It was organized on 23rd November, 2023 at Indian Disha Global Academy, Herobnhanga.

- Indian Constitution Day (26/11/23):

Constitution Day also known as 'Samvidhan Divas' was celebrated on 26th November, 2023 at its training centre of Indian Disha Global Academy, Herobhanga, Canning-1 Block.

2.af. Certificate Distribution and Ex-trainees' Meet (22/11/23 & 25/11/23): It was organized at Noble Mission on 22nd November along with an orientation camp for statutory formalities for entrepreneurship. The same event was also organized at Rotary Vivekananda School and Skill Development Centre on 25th November, 2023.

2.ag .The Foundation stone laying ceremony for NSTI Plus (24/11/23) : The Foundation stone laying ceremony for NSTI Plus, a landmark initiative in India's skill development landscape took place on November 24, 2023.

2.ah. Counselling and Selection of Trainees: During the month of November, 2023 attempt was made to conduct counselling cum selection of trainees for training programmes. Almost 6 batches (BCA- 02, ADM -02, FJ- 02) of training were finalized for the training covering almost 120 trainees.

2.ai. World AIDS Day (01/12/23): World AIDS Day was organized on 1st December, 2023 at the Conference Hall of JSS Narendrapur on 1st December, 2023.

2.aj. Kaushal Bharat Kushal Bharat (05/12/23 & 27/12/23): Selfie snap shots on the theme of Kaushal Bharat Kushal Bharat as directed by the DJSS, Ministry of Skill Development and Entrepreneurship, Govt of India was organized by Jan Shikshan Sansthan Narendrapur on 05th December and 27th December 2023.

2.ak. Celebration of Bharatiya Bhasa Utsav (11/ 12/23): Bharatiya Bhasa Utsav was organized culminating on the Janma Jayanti of Mahakavi Subramania Bharati on 11th December 2023 by JSS, NDP.

2.al. Counselling and Selection of Trainees: During this month attempt was made to conduct counselling cum selection of trainees for training programmes. Two batches (BCA- 01, HW-01) of training were finalized for the training covering almost 40 trainees.

2.am. Kaushal Dikshanta Samaroh (06/01/24): This programme was organized to distribute certificate to ex-trainees of JSS of 2022-2023 at the Conference Hall of JSS Narendrapur on 6th January, 2024.

2.an. Observation of National Youth Day: (12/01/24): JSS, Narendrapur celebrated National Youth Day on 12th January, 2024 to honor the birthday of Swami Vivekananda, one of India's greatest spiritual and social leaders.

2.ao. Webcast on Indian Skill Competition 2024 (15/01/2024): Jan Shikshan Sansthan, Narendrapur was organized a telecast of Live Webcast on India Skills Competition 2024, on January 15.

2.ap. Placement Linkage Camp (15/01/24): This camp was arranged on 15.01.24 in collaboration with Ambition Sportswear under MNCH Private Limited, Subhasgram, Kolkata-700147 at their office for five trainees of Assistant Computer Operator.

2.aq. 55th Annual Celebration and Sri Ramakrishna Mela (18/01/24 to 21/01/24): It was held at the premises of Ramakrishna Mission Lokasiksha Parishad where four stalls for

selling of various training-products and one pavilion for exhibition of the training and activities of the Jan Shikshan Sansthan, Narendrapur.

2.ar. Celebration of Netaji Subhas Chandra Bose's Birth Day/ Parakram Diwas (23/01/24): This year, Jan Shikshan Sansthan, Ramakrishna Mission Ashrama Narendrapur was observed a vibrant commemoration of Netaji's 127th birth anniversary, celebrating his life and contributions to India's freedom struggle at its training centre of Raidighi Nibodhata.

2.as. Observation of Republic Day (26/01/24) : Jan Shikshan Sansthan Ramakrishna Mission Ashrama, Narendrapur observed the 74th Republic Day on January 26, 2024 at its training centre of Kalugachi Vivekananda Seva Protisthan and Indian Disha Global Academy, Canning-1 Block.

2.at. Celebration of International Mother Language Day (21/02/24): On February 21st, Jan Shikshan Sansthan, RKMA, NDP vibrated with the spirit of cultural and linguistic diversity as we celebrated International Mother Language Day at the Conference Hall of JSS, Narendrapur with great enthusiasm.

2.au. Celebration of International Women's Day (08/03/24): Jan Shikshan Sansthan, Ramakrishna Mission Ashrama Narendrapur celebrated International Women's Day with an inspiring program on 8th March, 2024 at the Conference Hall of JSS.

2.av. Resource Persons Orientation Programme on Application of Digital Skills (28/03/24): Jan Shikshan Sansthan, Ramakrishna Mission Ashram Narendrapur organized a one-day orientation programme for the Resource Persons on the application of Digital Skills on 28th March, 2024 at the Conference Hall of JSS, NDP.

3. Personnel Strength

In programme front, the Jan Shikshan Sansthan of the Ramakrishna Mission Ashrama, Narendrapur has eight staff in the position as stated below:

- Director (01),
- Programme Officer (01),
- Accountant cum Manager (01)
- Assistant Programme Officer (01),
- Programme Assistant (02),
- Chowkidar (01) and
- Sweeper cum Frash (01)

With a view to organize the programme / activities of the Jan Shikshan Sansthan effectively, a further strength of Resource Persons/Trainers and Guest Speakers is associated with JSS Narendrapur from among local experts and skilled individuals, experts from different Government Departments and Non-Government Organization the number of which is around 180.

Besides, an encouraging factor is that the Jan Shikshan Sansthan of the Ashrama has succeeded to mobilize a host of village based resource persons / experts for running its courses, activities, etc. in rural areas.

4. Organization and Management of JSS

The affairs of the Jan Shikshan Sansthan of Ramakrishna Mission Lokasiksha Parishad, Ramakrishna Mission Ashrama Narendrapur is managed by a Board of Management (herein after referred to as BOM) with seventeen members at present. The Board of Management is broadly concerned with all policy matters of this Jan Shikshan Sansthan and its mode of operation, etc.

An Executive Committee is also there which assists the Board of Management for effective implementation of different programmes / activities of the Jan Shikshan Sansthan.

With a view to enriching the programmes / activities, etc. of the Jan Shikshan Sansthan, there is Programme Advisory Committee with the members having sound experience and expertise in different training and field activities in both rural and urban areas.

A Purchase Committee is also there for procurement of training materials etc. in due time and maintaining quality. The details of meeting of each tier are as follows:

4.1. Meeting of the Board of Management		
Date	No of Members present	
	Official	Non Official
04.09.2023	8	4
18.11.2023	5	6
05.02.2024	4	7
21.03.2024	5	8
4.2. Meeting of the Executive Committee		
16.01.2023	3	3
04.10.2023	3	3
18.11.2023	3	3
05.02.2024	1	4
21.03.2024	1	5

In addition, the meeting of the Condemnation committee for Defunct Vehicle of JSS and meeting of the Purchase Committee have been held as per requirement.

5. Livelihood Promotion

As per provision of the scheme of JSS, the livelihood promotion includes the promotion of institutions like self-help group (SHG) of the trainees of JSS, no of SHGs linked with banks, trainees having artisan card, registration in the udyam Portal, etc. In this point of view, the JSS Narendrapur has been able to promote 25 SHGs with the ex-trainees, five trainees have artisan cards, 22 trainees have been registered in the udyam portal and a number of 1641 beneficiaries is having banks accounts. In addition, it is a matter of pleasure to state that Ramakrishna Mission Ashrama, Narendrapur has come forward to promote better livelihood of the ex-trainees of JSS who have been from poor, vulnerable and backward families living in diverse geographical and unreached areas by providing start-up tool kits support being provided by Revered Swami Shastrajnanandaji Maharaj, the Secretary of the Ramakrishna Mission Ashrama, Narendrapur to the ex-trainees of JSS who were being from poor and backward sections but willing to start enterprises for their better livelihood promotion. The start-up tool kits support included as follows:

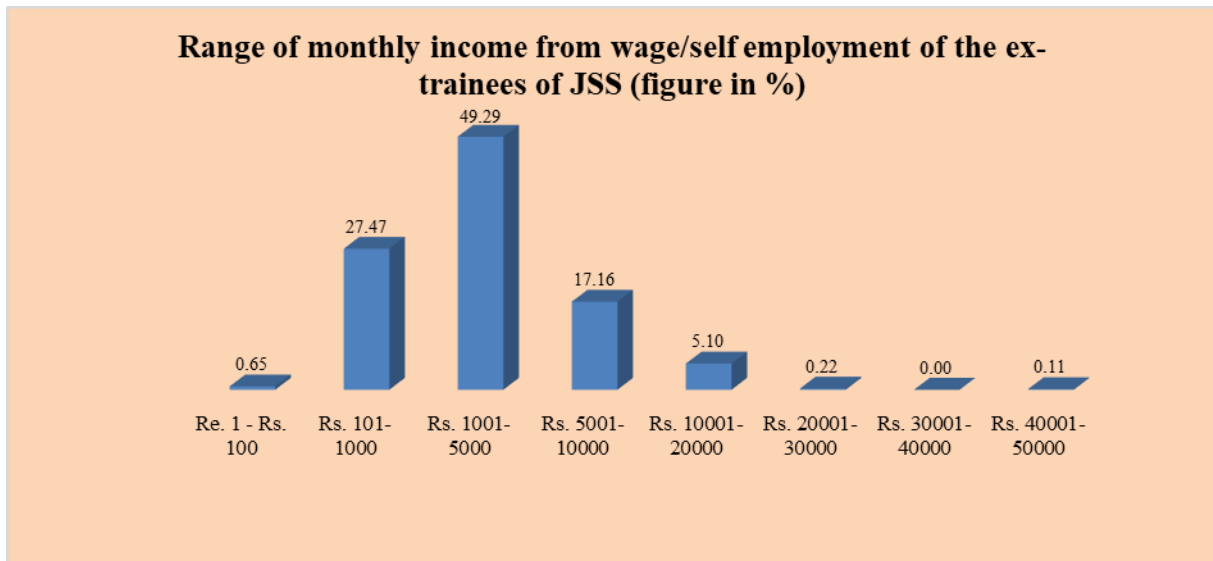
- the sewing machines to 93 ex-trainees,
- the interlock machines to 11 numbers of ex-trainees
- the pico machines to a number of 9 ex-trainees
- parlour chair to 59 numbers of ex-trainees,
- tong machines to 21 number of ex-trainees,
- hair streamer/spa to 17 number of ex-trainees
- hair drier to 18 number of ex-trainees,
- hair crimper to 19 number of ex-trainees
- make up box to 9 number of ex-trainees
- galvanic to 7 number of ex-trainees
- hair straighter to 6 number of ex-trainees
- weight machine to 5 number of ex-trainees and
- shampoo station to 2 number of ex-trainees

The initiatives were highly appreciable and impressive to the beneficiaries of JSS towards generating income and livelihood promotion to the poor and weaker sections for their livelihood development.

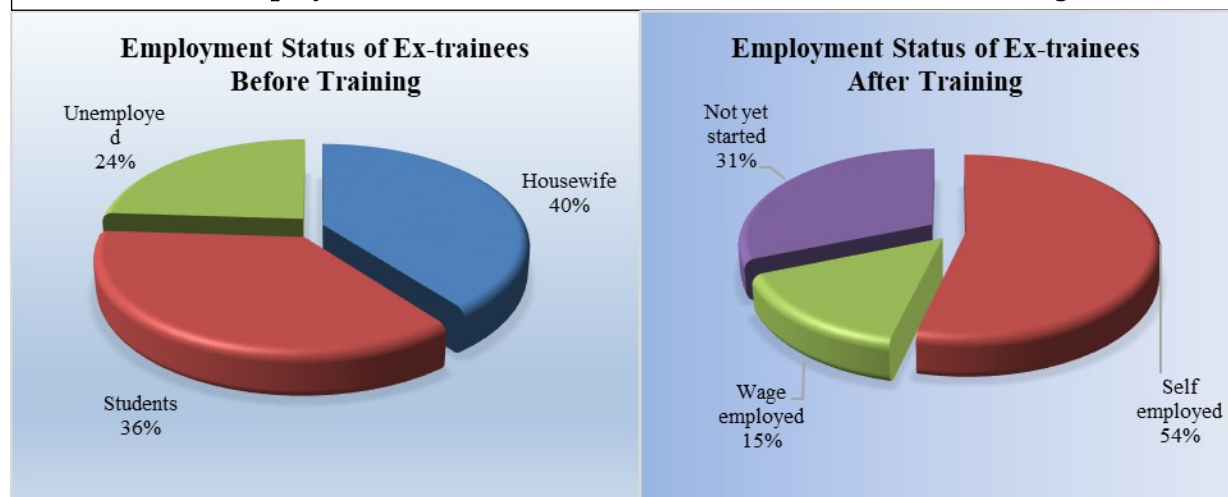
6. Assessment of Post Training Employment Situation of Ex-trainees of 2022-2023

This study conducted during September to November 2023, has covered twelve sectors except the two sectors like assistant welder & fabricator and stringing beading artisan (fashion jewellery) which was beyond access during the data collection work. The sample size was 1340 from 67 different batches of training of JSS.

The chart presented below shows that 49.29% of the ex-trainees have average monthly income in the range of Rs. 1001 to Rs. 5000, followed by 27.47% have in the range of Rs. 101 to Rs. 1000/- and 17.16% have in the range of Rs. 5001 to Rs. 10000/- which are quite remarkable.



4.4. Employment Situation of the Ex-trainees before and after training



7. Conclusion

The progress of JSS during the year 2023-2024 has also been occurred in identification of new resource persons as well as new training centers in different locations in the district of South 24 Parganas and in slum areas of Kolkata Metropolitan areas. Our efforts to reach the unreached areas have made significant impact on the skill development training and self-

employment among the remote villagers in different islands of the district including Sagar, Gosaba, Patharpratima, Kakdwip and Namkhana. It is according to the quote of Swami Vivekananda, 'go to villages, love the villagers, live with them and learn from them' on the basis of which all necessary activities are planned and implemented under Jan Shikshan Sansthan, Narendrapur.

HEALTH, WATER, SANITATION & ENVIRONMENT :

Activities of Water Testing Laboratories under Water Quality Monitoring and Surveillance System (WQMS), in collaboration with PHED, Govt. of W.B. FY: 2023-24

Two National Accreditation Board for Testing and Calibration Laboratories (NABL) recognized Drinking Water Testing Laboratories (WTL) have been operationalized by the Ramakrishna Mission Lokasiksha Parishad (RKMLSP) of Ramakrishna Mission Ashrama, Narendrapur at its Narendrapur campus and at the premises of Mathurapur, Raidighi Nibodhata cluster organization, South 24 Parganas, with support of Public Health Engineering Department (PHED), Govt. of West Bengal.

The geographical area of intervention of the two Water testing laboratories in South 24 Parganas District includes -

1. Joynagar- I (Overseen by RKMLSP, Narendrapur)
2. Joynagar-II, (Overseen by RKMLSP, Narendrapur)
3. Kultali, (Overseen by Mathurapur, Raidighi Nibodhata Cluster organisation)
4. Kulpi Block (Overseen by Mathurapur, Raidighi Nibodhata Cluster organization)

So far as activities of Water testing laboratories (WTL) are concerned, the general activities of WTL include-

- i. Regular testing of water samples of public drinking water sources and educational institutions including Anganwadi Centers, Health Centers
- ii. Testing of water samples of Private water sources on payment basis (as per stipulated rate)
- iii. under a rigorous monitoring system, thirty three (33) Water Facilitators are collecting water samples from Government water sources and the related test reports are shared with the concerned Gram Panchayats and Blocks.
- iv. All reports excluding private samples are uploaded in the PHED's Water Quality Dashboard.

Activities of water testing laboratories can be summarized in the following tabular format.

Sl. No.	Activities	WTL located at	Water samples tested (in units)	Village covered	No of participants
1	Water samples of public water sources, Educational institutions, Health Centers tested	Narendrapur	2481	120	NA
		Mathurapur	2813	214	NA
2	Water samples of Private Water Sources tested	Narendrapur	160	52	NA
		Mathurapur	27	12	NA
3	Training programs conducted for ASHA Workers on water testing by Field Test Kits (FTK)	Narendrapur	2 Programs	120	128
		Mathurapur	2 Programs	214	128
4	Exhibition on safe water	Narendrapur	1 Program	NA	10000 (Apprx)

b) Joint Forest Management Unit :

JFM wing of RKMLSP undertook implementation of various programs with national and international CSR funding during the reporting period. The details of these programs have been narrated below:

01.01 Plantation Program: Sponsored by eJunction, 'Tata Centre' Kolkata.

The main objective of the program was to develop greeneries through plantation of orchard crops and to improve environmental foot print besides generation of additional income of the farmers.

The program was implemented at Binpur II block at Jhargram district. A group of 10 tribal farmers was selected to carry out plantation in 7 acres of wastelands at Banksole villages and in 3 acres of wastelands at Jamboni village. In total, 400 number of mango and 400 number of cashew saplings were planted as main crops and Akashmoni, teaks, jackfruits saplings totaling 2000 numbers were planted as border crops.

To enable the farmers to earn interim income from the orchard in Rabi season, various types of seeds eg, pigeon pea, ridge gourd, pumpkin, gourd, ginger and turmeric were distributed among them.

01.02 Entrepreneurship Development Programme (EDP) through Skill training:

Sponsored by ejunction, Tata Centre', Kolkata.

Impressed with the track record of our skilling initiatives in rural areas of Bankura and Purulia, E junction awarded us a project on Entrepreneurship Development Program (EDP). Skilling in following vocations was identified:

- ✓ Tailoring (basic course)
- ✓ Animal Keeping and Animal Health
- ✓ Two / Three wheeler repairing and maintenance
- ✓ Lac host plantation and brood lac cultivation

20 rural youths from Bankura, Purulia and Jhargram districts were enrolled for each trade. At the end of the skill training, 40 youths have been shortlisted for business training to enable them to become ecopreneure. As part of business promotion, each is being provided with Rs 4000 as start up support.

The project is ongoing and is expected to be completed in next financial year.

02.01 Early Childhood Education Programme: Sponsored by Ramakrishna

Mission Ashrama, Narendrapur.

Early Child Education (ECE) centres were started in the year 2005 in Motgoda, Raniband of Bankura district, Ajodhya hill and Santuri of Purulia district and Gohalbera of Jhargram district in West Bengal for children up to 6 years of age. The main objective of this program is to develop school going habit among the children at their early ages, primary orientation of the basic literacy, their environment and habitat and to make themselves aware of the hygienic habits required for healthy life. This is supplemented with promotion of culture values among them at their early ages.

10 ECE centres are currently operating which are being managed by 20 local teachers. 259 children (141 boys and 118 girls) receive education and nutritional support through this programme. The children belong to SC/ST category. There are 4 centres in Ajodhya hill, Purulia; 2 centres in Santuri, Purulia; 3 centres in Bankura and 1 centre in Jhargram. The centres operate for 3 hours on all week days except on Sunday.

03.00 Green College:

RKMLSP has been implementing multiple Skill Up training programmes through its Green colleges set up at various locations in South 24 Parganas, Purulia and Bankura Districts with funding support from Welt Hunger Hilfe (WHH).

A brief overview of ongoing projects is presented below.

03.01: Skill up! Strengthening Skills Development, Creating Future Perspective (Project No: IND 1369-19)

The scope of this project was to impart skill based trainings to rural youths to enable them earn livelihood and to develop entrepreneurial skill among the deserving candidates. The coverage area of the program was within 50 kms from the respective Green Colleges in Purulia, Bankura and Jhargram districts. The project duration was for 40 months starting from 1st January, 2023 which was later extended by another 10 months, i.e, up to February, 2024.

This project was funded by WHH and following mandates were stipulated:

- to train a total of 750 rural youths (50% women) from the poor tribal, marginal or backward community,
- to promote 40 MSME through Fast Track Business Acceleration Programme,
- to support 670 farmers through formation of Farmers' Producer Organisation,
- to develop institution linkages with 2 Institutes, to make provision for job for 120 people with MSME and
- to reaching indirect benefit to around 2300 farmers' family members in the said districts.

RKMLSP has fulfilled the mandated requirements. The salient outcome of the program is as follows:

- 756 trainees were enrolled out of which 84 were Scheduled Caste, 322 were Scheduled Tribe, 256 were OBC and 94 were from general category.
- 113 out of 756 trainees were selected for Business training so that they could start their entrepreneurial journey. Post training 78 candidates started their business.
- Substantial increase in income level was noticed which is a good pointer of effectiveness of the programme.

33 trainees reached income level of more than Rs 10000, 67 reached Rs 7000 per month and 186 reached Rs 5000 per month.

- 1592 farmer families were benefitted indirectly through other initiatives undertaken by RKMLSP.

03.02: The Sundarban Islands Programme (Project Number IND1393-21)

This project is under implementation by Gosaba Green College under supervision of RKMLSP. The project duration is 36 months starting from 1st November, 2021. The main objective is to train 750 school dropouts in the age group of 15 to 25 years in certified green trades e.g, solar repairing and maintenance, computer hardware repairing and maintenance, animal health worker and agriculture & allied courses. The project is ongoing and is expected to be completed in October, 2024.

In order to impart training effectively, following facilities have been created/ revamped as a part of this project;

1. Development of demonstration plots e.g., kitchen garden, fish pond, poultry farm, nursery, paddy field etc
2. Establishment of Green laboratory
3. Repairing of Green College Infrastructure as a resource centres namely,
 - Vivekananda Seva Mandir, Arampur Adibasi Pally, Gosaba, South 24 Parganas
 - Kakdwip Kalpataru, Kakdwip, South 24 Parganas
 - Satjelia Vivekananda Milan Sangha, Satjelia, South 24 Parganas

During the report period, 301 numbers of trainees (133 boys, 168 girls) have been trained in various courses.

Hand holding support in the form of fishling, chicks etc as appropriate was provided at the end of training.

03.03: Support Micro/Small enterprises among particularly vulnerable communities in the Sundarbans. (Project No. IND 1409-23)

This is yet another project funded by WHH to support the socially, economically and ecologically vulnerable communities in Sundarbans by creating a diversified basket of opportunities through the strengthening of micro-enterprise in collaboration with grassroots CSOs. The project started in July 2023 and is required to be completed in 36 months.

The geographical jurisdiction of the project is:

North 24 Parganas: Hingaljanj, Sandeskhali-II

South 24 Parganas: Pathar Pratima, Basanti, Namkhana, Kakdwip, Gosaba

At the end of the project, following needs to be achieved:

- ◆ 1200 community members from socio-economically vulnerable communities will be trained on green trades.

- ◆ 02 Farmer Producer Organisations will be created with 200 community members.
- ◆ Strengthening value chains, based on local resources to increase income of the targeted communities
- ◆ Facilitate the transition of targeted communities from subsistence level livelihoods to sustainable microenterprises

The main outcome of the programme is to increase income by 25 % of the half of the targeted communities and 02 sustainable and resilient micro-enterprises will be established in the form of registered community institutions that would meet statutory regulation requirements also.

During the reporting period, following activities have been completed:

- Program orientation among the staff members and capacity development.
- Trade identification through market survey
- Write shops Workshop to develop training manual
- Counselling and trainee selection and identification of resource persons.

- **Empowerment of Downtrodden Women Programme:**

This is an ongoing program of women empowerment which commenced in the year 2019. The women of Self-help Groups (SHG) are being trained in our Green Colleges at Bankura and Purulia. Post training, they were provided with refundable monetary support to start their small enterprise. Since inception, Rs 8.10 lakh was distributed among 81 women for this purpose.

Monthly / Annual RELIEF programme:

Ramakrishna Mission Ashrama, Narendrapur has been rendering relief programme to the old and destitute with a monthly dole of Rs. 300/-. besides, as in previous years, so also this year 2023-24, the ashrama has distributed sarees in October, and woollen blankets in December to the poor and needy.

SWAMI ABHEDANANDA CHAIR ACTIVITIES AND PROJECT ACTIVITIES

ACADEMIC REPORT OF SWAMI ABHEDANANDA CHAIR

This report includes the various segments giving information of the Individual Research Activity which includes writing and submission of research papers to leading journals, Award of research Project, Working on various booklets and translations, course designs and also gives information of the PhD course work classes that are undertaken for the Research Scholar named M. A. Balasubramanya on the topic "*SWAMI VIVEKANANDA'S PHILOSOPHY OF SERVICE AND PRACTICAL VEDANTA*"

● Individual Research Activity

This segment of the report comprises of the research work undertaken by the Chairholder. A series of articles have been written during this period and have been accepted in leading journals. The details of the articles listed below are the outcome of Integrated M.Phil-PhD Programme Course Work. Among other areas of study in the syllabus, The Four Yogas of Swami Vivekananda holds an important position. These two research articles discuss the important contributions of Bhakti Yoga and Rāja Yoga in modern times:

A.1 Joint Research Articles with Research Scholars submitted for Publication

A.1a. Abstract of the paper: "A comparative study of Swami Vivekananda's Bhakti Yoga and Nārada Bhakti Sūtra" by Dhriti Rani Saha and Paromita Roy¹

This paper discusses the true meaning of Bhakti (divine love) based on the ancient classical text of Nārada Bhakti Sūtras juxtaposed with the modern interpretation by Swami Vivekananda in his exposition, Bhakti Yoga. The pomp and grandeur of material life in the modern age has equipped us with wealth and comfort, but there is a deep inner craving in our parched souls and dried up hearts for a sip of that immortal nectar of divine love which alone can quench our thirst forever. Herein lies the importance of Bhakti or Divine Love. This paper gives some insights into the merit of treading the path of Bhakti as the surest and most natural path in the modern age. Turning towards God as the only Refuge and Saviour in moments of helplessness that come to everyone, constantly contemplating upon Him and His Divine Glories with one-pointed devotion connects the individual to God

1 This research article has been accepted for publication by *Journal of the Asiatic Society*, quarterly peer reviewed international journal enlisted in UGC-CARE List.

naturally and makes Him easy (sulabha) of attainment. The different stages of Bhakti according to the different temperaments portray a catholic outlook giving opportunity to everyone to enter God's abode. We provide glimpses from Swami Vivekananda's masterly presentation of Bhakti in his Bhakti Yoga, exploring alongside the exposition of Bhakti in classical text, Nārada Bhakti Sūtra. Citing the statement of Sri Ramakrishna, "kalite nāradiya bhakti" meaning "Devotion as described by Nārada is suited to the Kaliyuga", we show how in the modern world of selfishness and materialism, Bhakti or divine love is surely the antidote to the negative emotions of hatred, animosity and enmity which are built on the edifice of selfish ideas of "me and mine."

Keywords: Vivekananda, Nārada Bhakti Sūtra, Bhakti Yoga, Bhakti, Parā Bhakti, Bhāva.

A.1b Abstract of the paper: "Rāja-Yoga—Swami Vivekananda's Unique Contribution in the Modern Age" by Subarna Paul and Paromita Roy²

This article tries to focus on the contributions and the efforts made by Swami Vivekananda for the rejuvenation of Yoga for the welfare of the people in the modern age wherein our energies are scattered and our thoughts therefore are unregulated. Rāja-Yoga teaches us the way to manifest our inner divinity, what Swami Vivekananda calls 'potential divinity' of all beings, through concentration and meditation. Further, in this modern age of reason and science, it is imperative that the rational basis of the truths of the spiritual science discovered by our ancient spiritual Masters, the Rishis and Munis, be shown clearly and perspicuously. It is to the eternal credit of Swami Vivekananda that the abstruse Patañjali's Yoga Aphorisms have been explained by him in the modern idiom with simplicity and lucidity. Rāja-Yoga is therefore Swami Vivekananda's remarkable gift in the modern age wherein he amalgamates the ideas of Saṃkhyā and Tantra—Cosmic Prāṇa, Kuṇḍalini, etc.—with the tenets of Yoga due to Patañjali to recreate, as it were, a unique integral system of Yoga, simple and practical, which he called Rāja-Yoga.

Keywords: Vivekananda, Patañjali, Rāja-Yoga, divinity, citta

A.2 Individual Contribution/Publication

A.2.1 Paper Title: Swami Vivekananda's concept of "Ātman-centric ethics":

A new approach to ethics

Publisher: Prabuddha Bharata or Awakened India, A Monthly Journal of the Ramakrishna Order started by Swami Vivekananda in 1896

Publication Dates: 1 Oct 2023. Vol 128, No.10, ISSN 0032-6178, pp733-736

1 Nov 2023, Vol 128, No.11, ISSN 0032-6178, pp787-789

² This research article has been published in *Journal of the Asiatic Society*, Vol. LXV, No. 4, 2023, quarterly peer reviewed international journal enlisted in UGC-CARE List.

1 Dec 2023, Vol 128, No.12, ISSN 0032-6178, pp 841-843

1 March 2024, Vol 129, No.3, ISSN 0032-6178, pp 303-305

1 May 2024, Vol 129, No.5, ISSN 0032-6178, pp 399-402

A.2.2 Articles invited for contribution to the Indian Knowledge Systems (IKS) Wikipedia page

This segment lists research articles that have been contributed to the individual page created for the Principal Investigator (PI) of the Project titled ‘The relevance and applicability of Chanakya’s (Kautilya) Arthaśāstra for solving current societal problems’ sanctioned by Indian Knowledge Systems (IKS), Govt. of India F.No. 2-23/AICTE/IKS/Research project/35 Dated: 13/12/2022. The two research articles uploaded on IKS WIKI created for the author are from a series of articles that have been decided to be uploaded on the page which are the thrust areas chosen in the Project on Kautilya’s Arthaśāstra to discuss the indigenous store house of knowledge, practices and its relevance in modern times by bringing discussions on the fields like Swachha Bharat Mission, Environment and Disaster Management, One Health, Atma-Nirbhar Bharat and Preservation of Justice as Proclaimed in the Constitution of India.

A2.2.1 The idea of Swachh Bharat Mission as delineated in Kauṭilya’s Arthaśāstra

Abstract: Although Arthaśāstra is a text on polity dealing extensively with economic and governance issues, yet various measures which lead to building better and strong territory have not been overlooked. It is pertinent to note in this context that the measures adopted for maintaining hygiene in the territory are quite akin to the initiative taken by the Government of India in its programme of Swachh Bharat Mission. This article highlights the indigenous knowledge and practices of good hygiene, the endeavour made to spread the awareness of the benefits of clean environment among the citizens of the kingdom by empowering the members of the community to take the responsibility of their health and well-being in their own hands.

This article has been uploaded on IKS WIKI page on 6 Nov 2023 of the author and the URL of the article is:

[https://en.alpha.ikswiki.in/images/e/e8/IKS-WIKI--
Concept of Swachh Bharat Mission as delineated in Kautilya%27s Arthashastra--
uploaded in the wikipedia created by IKS Govt. of India.pdf](https://en.alpha.ikswiki.in/images/e/e8/IKS-WIKI--Concept of Swachh Bharat Mission as delineated in Kautilya%27s Arthashastra--uploaded in the wikipedia created by IKS Govt. of India.pdf)

A.2.2.2 Environment and Disaster Management as delineated in Kauṭilya’s Arthaśāstra

Abstract: In this article, we focus on the different measures adopted by the Kauṭilyan territory for warding off disasters such as flood, famine, fire, epidemics etc. It is considered that environmental conservation and disaster management are often critical to

communities living in “hazard-prone areas.” The indigenous people through years of experience have built up a significant store house of knowledge accumulated due to their intimate relation with nature. With this need in mind, we look into the indigenous practices found in Kauṭilya’s Arthaśāstra to mitigate several disasters hazardous to life and environment. This article has been uploaded on IKS WIKI page of the author and the URL of the article is:

https://en.alpha.ikswiki.in/images/c/c3/IKS_WIKI--Environment_and_Disaster_management_as_dileneated_in_Kautilya%27s_Arthashastra.pdf

A.3 Articles published in e-magazine

A.3.1 Publication of article titled ‘Environmental Ethics and the re-awakening of a new world-view in Man-Nature-Universe relationship in the Quarterly E-Magazine, *Mother Earth*, Volume-1, Number-4, October-December 2023 Special Issue Environmental Ethics, School of Environment and Disaster Management, RKMVERI, Narendrapur Campus.

A.3.2 Publication of article titled ‘One with Nature One with Soul’ in the Quarterly E-Magazine, *Mother Earth*, Volume-2 Number-1, January-March 2024 Special Issue Future of Earth, School of Environment and Disaster Management, RKMVERI, Narendrapur Campus.

A.4 Abstract submitted to ISEE Pacific APA 2024 (Portland, USA)

Paper Abstract: The Metaphysics of Deep Ecology in Ancient Indian Thought

This paper revisits the modern ideas of ‘metaphysical ecology’ (Jardins 2013 p.210) connected to ‘deep ecology’, in the light of ancient Indian philosophical thought based upon the holistic understanding of Life as an Immense Indivisible Continuum (‘Life is Immense’—*prāṇo viraṭ*: Atharva Veda Samhitā 11.4.12), albeit manifesting in boundless variety. This is beautifully captured in the Rg Vedic *mantra* (1.164.46): *ekam sadviprā bahudhā vadanti*, which means: ‘Truth is One; sages speak of it variously’. Diversity of expression is but a manifestation of One Universal Cosmic Principle called *ṛtaṃ bṛhat* (Kaṭha Upaniṣad 2.2.2) in the ancient wisdom of India called Vedānta. This comprehension of the One Continuum as the unbroken Unity running through all the diversity in Nature was ingrained in the Indian culture and philosophy engendering deep reverence for all the components of Nature. This formed the basis of Deification and worship of Nature in its ever so many forms, what the new ontology “posits humanity as inseparable from nature” (Naess 1989, p.2), so that harm done to Nature is felt and realized as harm to oneself. From this sense of reverence for Nature instilled into the collective consciousness of India over the millennia arose spontaneously a deep sense of responsibility and gratitude towards Nature. This consciousness was integrated into daily religious practice through the performance of what are called ‘five-fold sacrifices’ (*pañca-mahā-yajña*), to ‘repay’ the ‘debt’ that we owe to Nature in respectful acknowledgement of what we receive from Nature. This ancient Indian thought resonates with the “the relational, total-field image” rejecting the “man-in environment image” (Naess 1989, p.28). The *Protagorean* idea of

“man is the measure of all things” is thus sublated and Man-Nature relationship is redefined in the light of this all-encompassing *weltanschauung*. Frijof Capra puts it beautifully as follows: “When the concept of the human spirit is understood as the mode of consciousness in which the individual feels a sense of belonging, of connectedness, to the cosmos as a whole, it becomes clear that ecological awareness is spiritual in its deepest essence” (Capra 1996, p.7). *Self-realization*, as synonymous with the *All-realization* is the key idea in Indian philosophy to dissolve the ontological divide between the ‘self’ and the ‘other’, between humans and the rest of Nature, by realizing the ‘Self’ as the ‘All’. This eternal truth of Oneness in Indian philosophy is at the root of the new paradigm shift developed “through an identification so deep that one’s own self is no longer adequately delimited by the personal ego or the organism. One experiences oneself to be a genuine part of all life” (Naess 1989, p.174). This key concept is considered *sine qua non* by the Deep Ecological scientists like Bill Devall and George Sessions who assert that this change is not the creation of something new but is the “reawakening of something very old” (Jardins 1997, p. 201). We show in this paper that it is a reawakening, resurgence, re-emphasis of the idea of Oneness of Life and Existence lived and practised in ancient India.

Key Words: metaphysical, deep ecology, Oneness, holistic, Self-realization, connectedness, continuum

A.5 Articles under preparation

A.5.1 Research Paper titled: *Search for care— beyond Gilligan and Noddings* (the abstract of the paper is already provided in the report 1 Dec 2021-31 March 2022)

A.5.2 Research Paper titled: ‘Reconciliation of the predicaments in Daya Krishna in the light of Swami Vivekananda’s Atman-centric approach’ (the abstract of the paper is already provided in the report 1 April 2022-31 March 2023)

A.5.3 Research paper titled: ‘Merit in the Intellectual Midwifery of Socrates’ (the details about the paper is already provided in the report 1 Dec 2021-31 March 2022)

A.5.4 Research Paper titled- Vasudhaiva kutumbakam: Solidarity in hours of crisis (the abstract of the paper is provided in the report of 1 April 2022-31 March 2023)

B. Books/booklets under preparation

This section gives the information of the list of books/booklets under preparation by the Individual Chair as well as with Research Scholar(s) working under the guidance of the Chair.

B.1 Translation of Vedanta Darsana in Sanskrit (The original book in Bengali discusses in simple and lucid language the twelve schools of Vedanta) (This book is prepared by research scholar under the guidance of the Chair)

B.2 Translation in Bengali “The Soul of Man” by Swami Ramakrishnananda (It is a set of four lectures delivered by Swami Ramakrishnananda, the apostle of Sri Ramakrishna in 1909. His analysis in all the four lectures is insightful arriving at Self Knowledge, “the infallible means for permanent happiness” through patient dealing with foundations of science and the lofty ideals of Vedanta.)

B.3 Translation in Bengali “Classical Indian Philosophies: Their Synthesis in the Philosophy of Sri Ramakrishna” (In this book a survey has been done by the author, Satish Chandra Chatterjee, of the classical systems of Indian philosophy for the purpose of their synthesis and reconciliation as parts of one comprehensive system of philosophy. The author owes his debt to the life and teachings of Sri Ramakrishna which has immensely helped him to find the germs of a synthetic philosophy)

B.4 One Health Booklet— One Health’ is a fast emerging concept in our collaborative, multi-disciplinary approach aiming at the best possible health outcomes by recognizing the interconnection between soil, plants, animals as well as humans and their shared environment. Environmental problems are often understood as socio-economic problems. It is not surprising that economics plays a major role in environmental debates. The debate between economics and environment is as old as environmental movement. The debate thrives because often the leaders in certain high-polluting industries do not wish to see their profits diminished at the cost of nature’s well-being. It is imperative therefore that the environmental policies are very prudently framed, with concern for nature’s *intrinsic* value, to check the possible harm to nature when the policies get implemented. Though environmental problems involving highly technical matters rely upon experts for solution but they often come up powerfully in those areas where our emotions are strong and controversies abound. Science can offer only objective and factual answers to certain problems but undeniably fail to understand what it goes to make something valuable. One may of course turn to science and technology with the hope of a quick fix solution to environmental problems but it should be made clear that environmental problems are neither exclusive to science or technology. Objective solutions should be guided by deeper philosophical and spiritual and cultural dimensions. Only then can we trace the deep-rooted maladies in environment and make an endeavor to permanently remove them. With this aim in view, the booklet attempts to discuss on the wisdom of Ancient Indian Traditions, Greek and Chinese Civilization and also on the Tribal culture to focus upon the deep kinship that was envisaged by men in those times. Unless a radical change in outlook is undergone, the crises cannot be checked on material plane. One Health project is a chance for mankind to reestablish the lost bond in nature. Well-being of nature does not imply well being only of humans but is a close circuit where the well-being of soil, plants, animals and humans are intertwined.

B.5 Preparation of Book on the Concept of Four Yogas and Yoga Samanvaya in the *Kathamrita* and *The Gospel of Sri Ramakrishna*. (This book is prepared with along with the Research Scholars)

C. Project Awarded by Indian Council of Philosophical Research (ICPR), Govt. of India titled 'Humanitarian Philosophy of India' Approval Letter No.F.No.4-4/23-24/P&R/ICPR dated 30 Oct. 2023 for two years with grant of six lakh only to Dr Paromita Roy (Principal Investigator) and Dr P G Dhar Chakrabarty (Co-Principal Investigator)

Abstract:

Contemporary humanitarian philosophy is dominated by the Christian concept of charity. The purpose of this project is to highlight the concepts of Seva, Karuna and Dana (service, compassion and charity) that are vital components in the Hindu and Indian thought. This project will trace the genesis and evolution of these concepts in the Hindu, Buddhist, Jain and Sikh philosophies. The project will further explore how these philosophical concepts have influenced and are still influencing humanitarian activities in India. As a fitting finale, a detailed study will be presented of the humanitarian philosophy and action of Ramakrishna Mission, based on the spiritual vision of Sri Ramakrishna bequeathed to Swami Vivekananda and his followers as a grand legacy of "worship of God in man" and drawing lessons from 125 years of glorious tradition of humanitarian services of the Mission.

D Course Design under preparation

D.1 Design of General Ethics Syllabus and study material—The syllabus aims to take into consideration the important ideas and theories in Western Ethics and also in the Indian tradition and also to mark the subtle differences in Western and Indian ethical understanding. The course material is under preparation which contain as we mentioned both the Eastern and the Western Ethics.

D.2 Design of Research methodology Syllabus -This syllabus is aimed at discussing at length the different research methodologies that are embedded in the understanding of the Westerner philosophers such as the Socrates' midwifery, Cartesian method of Rene Descartes, Immanuel Kant's Transcendental Dialectic to cite a few. As, for the Indian context, the research methodology includes the study of Upaniṣads like the Prashna, Taittiriya, the Brhadaranyaka Upaniṣad etc to focus on how gradually the seeker of Truth penetrates into the deeper realms of human existence through the physical emphasizing the basis of this journey in the understanding of "anubandhacatushtaya" which forms the key concept in Indian research system.

E. Presentation in Seminar/symposium

E.1_Paper Presentation in Whole Day National Seminar on "Kauṭilya's Arthaśāstra—Its relevance and applicability to the modern times"

Organiser: Department of Sanskrit and Philosophy of Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math

Date: 06 December 2023

Theme of the talk: “The perspective of One Health in Kautilya’s Arthashastra: A collaborative approach among all health sectors (Soil-Plant-Animal-Human) for better health of people and planet”

Link to the seminar: <https://sanskrit.rkmvu.ac.in/national-seminar-on-kautilyas-arthasastra-06-dec-2023/>

E.2 Invited Talk in the Seminar on “The Microcosm-Macrocosm Equation” organized by the Asiatic Society, Kolkata in collaboration with Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI) dated 6 February 2024

E.2.1 Topic of the talk: “The microcosm-macrocosm equation—Swami Vivekananda’s perspective with some inputs from the Western philosophical perspective” by Dr. Paromita Roy

The microcosm-macrocosm analogy refers to a view that posited a structural similarity between human being and the cosmos as a whole. Swami Vivekananda (henceforth referred to as Vivekananda) in his lecture on *The Cosmos The Macrocosm* and *The Cosmos the Microcosm* explains that the macrocosm is the external world and the internal (CWSV 2, p.208). He explains at length how the first question that arose in the mind of man was about the external world and as this investigation went deeper and deeper the mode of enquiry was turned inward. We will also throw light on the mode of enquiry about the universe which commenced in the Western Philosophy with the early Greek age which started around 624 BC and draw parallels to find how this investigation into the universe was mostly physical in its characteristics and making a gradual departure from the physical to something incorporeal with the advancement in the enquiry. We restrict our discussion to the early Greek Age and to the age of Socrates later only to show how the basic human constitution is same everywhere irrespective of the religion we believe in and the geographical boundaries where we belong. Man has always an inner tendency to go beyond the narrow compass of the physical to comprehend the deeper meaning of life and existence.

E.2.2 Topic of the Talk: “Positioning Oneself in the Cosmos”: Discussion on microcosm-macrocosm unity as delineated by the Upaniṣads and Bhagavad-Gītā” by Research Scholar Subarna Paul

In this talk we try to explore our real nature as well as our true position in the cosmos by realizing the microcosm-macrocosm unity. This understanding of oneness helps us to overcome all the negative tendencies like selfishness, hatred, stress etc with which we are struggling continuously today by demolishing the distinctions between ourselves and others. The microcosm-macrocosm unity is discussed here on the basis of our ancient texts — the Upaniṣads and the Bhagavad Gītā. We will at first discuss how the Upaniṣads preach

that microcosm and macrocosm are not different as they both bear the same structure, components and inner divinity which is none other than Brahman. So, in reality the microcosmic self and the Macrocosmic Self are not different and therefore as microcosm, we have universal existence. This idea will be also be seen to be established in the Bhagavad Gītā. In the Bhagavad Gītā also, the identity of microcosmic and Macrocosmic Self is preached by Bhagavān Śrī Kṛṣṇa, the realization of which is the remedy of all sorrows and delusions. Thus it is the idea of oneness that helps us to live joyfully and peacefully in this universe by keeping aside all our narrow tendencies which are the source of all miseries.

F. Project Supervision

M.Phil Degree Awarded to two Research Scholars in Nov 2023:

F1. "Bhakti Yoga as discussed in the Bhakti Sūtras, Upaniṣads and Śaṅkara's Works and demonstrated in the lives of Hindu and Christian mystics" by Research scholar Dhriti Rani Saha under the supervision of Dr. Paromita Roy

F2. "Positioning Oneself in the Cosmos": Discussion on microcosm-macrocosm unity as delineated by the Upaniṣads, Bhagavad-Gītā and Swami Vivekananda by Research Scholar Subarna Paul under the supervision of Dr. Paromita Roy

G. PhD Course Work of M.A Balasubramanya commenced from 3 Jan 2024

The PhD course work syllabus has been designed in such a way as to give the research scholar a fair idea of all the Four Yogas of Swami Vivekananda which forms the core of his teachings. There is also a detailed syllabus designed for the study of Indian Philosophy, Bhagavad Gita and also includes the basics of Sanskrit learning as well as the mandatory courses as per UGC norms. Below are the teaching contents allotted for the first semester of the PhD Course Work. These have also been taught by drawing parallels from Western Philosophy and also by gleaning through other literature available of Swami Vivekananda with the intention to provide a clear picture of the philosophy of service in the Ramakrishna Order to the researcher which forms the topic of his research

Note: "Bhagavad-Gita" (based on Shankara Bhasya and Sridhara Tika) is taught by Revered Pro Chancellor, Swami Atmapriyananda, RKMVERI and the "Sanskrit Bhasha Praveshika" is taught by the Department of Sanskrit, RKMVERI. All other courses are designed to be taught by Dr. Paromita Roy.

G.1. Taught Swami Vivekananda's KarmaYoga (the whole book has been completed)

G.2. Taught Swami Vivekananda's Jnana Yoga based on the first five lectures, The Absolute and the Manifestation, God in Everything, Realisation, Unity in Diversity, The Freedom of the Soul, "Ideal of a Universal Religion", The Cosmos The Microcosm, The Cosmos The Macrocosm

G.3. Taught Introduction to Bharatiya Darshana and Samkhya Philosophy, Yoga Philosophy and Mimamsa Philosophy

The syllabus designed for the PhD Course work of M.A Balasubramanya is provided below:

PhD Course work in the Department of Sanskrit and Philosophy, RKMVERI for M. A Balasubramanya (date of commencement of the Course Work: 3 Jan 2024)

Semester 1 (14 credits = 224 hrs)

- **Course Name: "Swami Vivekananda's Four Yogas, Concept of Yoga Samanvaya, Vision of Universal Religion"**

Course Code: SK-938

Course Credit: 04 (64 hrs)

Course Content: Swami Vivekananda's Four Yogas, related writings and/lectures on the above Yogas

- **Course Name: "Bharatiya Darshana"**

Course Code: SK-913

Course Credit: 04 (64 hrs)

Course Content: (sad-astikadarshana-6, nastika darshana-3) + (schools of Vedanta-12)

- **Course Name: "Bhagavad-Gita" (based on Shankara Bhasya and Sridhara Tika)**

Course Code: SK-915

Course Credit: 02 (32 hrs)

- **Course Name: "Sanskrit Bhasha Praveshika" (Sanskrit Language Entry Level Course)**

Course Code: SK-521

Course Credit: 04 (64 hrs)

End Semester exam for 1st semester

Semester 2 (06 credits= 96 hrs)

- **Course Name: "Research Methodology and General Ethics"**

Course Code: SK-904

Course Credit: 04 (64 hrs)

Course Content: Literature review, objectives of research, research questions, chapterization, bibliography, references, method of knowledge—Western approach, method of knowledge (pramana)—Indian approach, Important ideas and theories in Western Ethics and also in the Indian tradition and mark the subtle differences in Western and Indian ethical understanding.

- **Course Name: "Research and Publication Ethics"**

Course Code: SK-906

Course Credit: 02 (32 hrs)

*Comprehensive Exam will be held on the whole syllabus of 1st and 2nd Semesters

Note: Mid-semester exams will be held in each semester

Semester 3 (10 credits=160 hrs)

Dissertation – "*SWAMI VIVEKANANDA'S PHILOSOPHY OF SERVICE AND PRACTICAL VEDANTA*"

H. Classes taken under the School of Spiritual Heritage in RKMVERI

The School of Spiritual Heritage in RKMVERI is devoted to the pursuance of the study of the glorious spiritual and cultural traditions of India for effective dissemination of such knowledge to the modern world. The following are the courses taken in the School of Spiritual Heritage³:

- "Sri Ramakrishna Life and Teachings" for Spiritual Heritage of India (SH-602)
- "Swami Vivekananda on India and her Problems" for Spiritual Heritage of India (SH-605).

³ Each course taught under the School of Spiritual Heritage is of two credits.

PROJECT ACTIVITIES OF SWAMI ABHEDANANDA CHAIR PROFESSOR

CONCEPT NOTES AND PROGRESS REPORTS FOR PROJECTS AWARDED TO DR. PAROMITA ROY, SWAMI ABHEDANANDA CHAIR PROFESSOR

A) Indian Knowledge Systems (IKS) Project Concept Note on 'The relevance and applicability of Chanakya's (Kautilya) Arthaśāstra for solving current societal problems'

[F.No. 2-23/AICTE/IKS/Research project/35 Dated: 13/12/2022, IKS Division,
Ministry of Education, Govt. of India
Sanctioned Amount Rs. 9,10,000 (Rupees Nine lakh Ten thousand only)]

Principle Investigator: Dr. Paromita Roy

This project titled 'The relevance and applicability of Chanakya's (Kautilya) Arthaśāstra for solving current societal problems' seeks to study in depth Kautilya's magnum opus, Arthaśāstra from the point of view of its relevance and applicability in modern times, in respect of the following specific 'thrust areas':

1. Concept of 'One Health'
2. Swachh Bharat Mission
3. AtmaNirbhar Bharat
4. Environment and Disaster Management and
5. Preservation of justice as proclaimed in the Constitution of India.

All the selected 'thrust areas' to be explored in this research will be shown to have deep social implications. This project aims to demonstrate that Kautilya's vision and policies, drafted ages ago in his *Arthaśāstra*, are equally applicable to addressing certain pressing issues in modern times. Kautilya's exposition and delineation of these issues illustrate how ancient Indian wisdom and prudence in public governance and administration remain relevant and impactful for the lives of common people and society today.

Progress Report (April 2023 - March 2024)

- The work plan for **April 2023—June 2023** involved an exhaustive and in-depth study of Kautilya's *Arthaśāstra* (in original Sanskrit as well as the authentic English translations by renowned scholars such as Shamasastri and R.P. Kangle). Original references were searched out along with notes and commentaries, focusing on the five 'thrust areas' stated in the project proposal. The percentage of completion for

this work plan proposed for the first six months of the first year (Dec 2022⁴-June 2023) is 100%.

- The work plan for **July 2023-Dec 2023** involved the study and documentation of the modern system of public administration in India, with reference to the five 'thrust areas' stated in the project proposal. The percentage of completion for this work plan proposed for the next six months of the first year (July 2023-Dec 2023) is 100%.
- During **Jan 2024-March 2024**, efforts have been made to juxtapose the findings of the previous year and to explore the deeper aspects of the relevance and applicability of the ancient wisdom of the *Arthaśāstra* to modern times, along with drawing definitive conclusions on this topic.
- In addition to the IKS Project report to be provided at the end of December 2024, efforts are also underway to prepare booklets in three different languages (Sanskrit, English, and Bengali) on each of the chosen thrust areas in the project. This brings the total number of booklets to twenty four (24), as the first thrust area —'One Health'—includes Soil, Plant, Animal, and Humans (SPAH) as stakeholders. Therefore, for the first thrust area alone, there will be twelve (12) booklets. It is anticipated that all these booklets will serve as a ready reckoner for future researchers on the selected thrust areas, with all relevant verses from the *Arthaśāstra* carefully extracted and provided with their translations in Bengali and transliterations and translations in English. Additionally, these booklets will include commentary from Srimula wherever he has offered further insights on the chosen verses related to the different thrust areas. These booklets are being written in a style that facilitates easy comprehension by students at the school, college, and university levels.

**B) Indian Council of Philosophical Research (ICPR) Project Concept Note On
'Humanitarian Philosophy Of India'**

Approved by Indian Council of Philosophical Research (ICPR)

Approval Letter No.F.No.4-4/23-24/P&R/ICPR dated 30 Oct. 2023 &

Award Letter No.F.No.4-4/23-24/P&R/ICPR dated 29 Nov 2023

Sanctioned Amount (Rs. 600,000) Rupees Six lakh only

Principle Investigator (PI) Dr. Paromita Roy, (Co-PI) Dr. Prabodh Dhar Chakrabarty

A person is considered humanitarian according to the Cambridge Dictionary if they are “involved in or connected with improving and reducing suffering.”⁵ In Indian thought, the aim extends beyond mere alleviation of suffering to positively impacting the individual and collective lives of all, striving for the “complete eradication of sorrow together with the attainment of supreme Ānanda or joy” (*ātyantiki dukkha nivrittithaparamānandasamprāpti*), which is the ultimate goal of Vedānta philosophy. This discussion will delve deeper into the climate of the Indian mind, where the impulse to improve and reduce suffering extends not only to humans but to the entire world.

This urge to eradicate suffering, irrespective of the differences among living beings, is significant in Hindu, Jaina, Buddhist, and Sikh traditions. This project will trace the genesis and evolution of concepts such as selfless service (*sevā*), compassion (*karuṇā*), and charity (*dāna*) within these traditions. While the concept of universal love and compassion is often seen as dominant in the Christian tradition, this perspective can overshadow the rich native culture of India. Swami Vivekananda aptly stated, “The Indian nation cannot be killed. Deathless it stands and it will stand so long as that spirit shall remain as the background, so long as her people do not give up their spirituality.”⁶

This project will aim to reveal the essence and deep philosophical understanding of *sevā*, *karuṇā*, and *dāna*, which have been integral to Indian traditions and the charitable work of apolitical organizations like the Ramakrishna Mission over the past 125 years. The discussion will have significant implications for both social and individual life, especially in today’s world, which is often torn apart by hatred, jealousy, and rage. It will be demonstrated how the understanding and application of these traditions, as actualized by organizations like the Ramakrishna Mission through a sustainable humanitarian model, serve as a vital cohesive force in the current times.

Progress Report (Dec 2023-March 2024)

- In the first four months of the project, efforts have been made to explore the spiritual and philosophical basis of *karuṇā*, *dāna*, and *sevā* in the *Śrīmad Bhagavad*

⁵ For more information visit <https://dictionary.cambridge.org/dictionary/english/humanitarian>

⁶ Swami Vivekananda, *My Master*, Advaita Ashrama, p.15

Gītā and the *Upaniṣads*, as well as the underlying principle of oneness in the *Nāsadīya Sūkta* and the *Puruṣa Sūkta*, which inspire compassionate behavior towards the world in Hinduism.

- Efforts have been made to extract the idea of humanitarian service embedded in the philosophy and ethics of the Jainas, basing the study on the fundamental metaphysical doctrine of *Anekāntavāda* (which discusses the multifarious aspects of reality). This doctrine inspires intellectual *ahimsā* by promoting respect for the opinions of all. This attitude is manifested in the worldly behaviour of the Jainas, where love and compassion become fundamental principles towards all living beings, as reflected in texts such as the *Daśavaikālikasūtra*, *Tattvārthasūtra*, and *Ācārāṅgasūtra* of Jainism.
- Further efforts have been made to extract important shlokas from the *Śrī Guru Granth Sāhib*, the holy text of the Sikhs, where *sevā* is considered indispensable for cleansing one's impurities and guiding one's path towards the Lord (from *Manmukh* to *Gurumukh*) in Sikhism.

Convocation - 2023

