



RAMAKRISHNA MISSION VIVEKANANDA EDUCATIONAL AND RESEARCH INSTITUTE
[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

Brief Profile and Report of Activities for the Year 2021-22
(01 April 2021 to 31 March 2022)

DETAILED ANNUAL REPORT OF THE UNIVERSITY – 2021-2022

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 excellences 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.

(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 Bio-technology, Agricultural Science.

(4) **Narendrapur Campus:** Agriculture & Rural Development, Integrated 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, Big Data Analytics
- ✓ 5-year (= 10 semesters) Integrated M.A. in Sanskrit
- ✓ Integrated M.Phil. and Ph.D. (4-6 years) in Sanskrit
- ✓ 1-year (=2 semesters) Post Graduate Diploma in Yoga

Apart from the core academic programmes, the following certificate courses are also conducted:

- ✓ Certificate courses (6 months) in Sanskrit (Preliminary, Intermediate and Advanced)
- ✓ 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, and Environment and Disaster Management
- ✓ Ph. D. (3-5 years) in Agriculture and Rural Development, Agricultural Bio-technology, Medical Biotechnology, and Environment and Disaster Management.

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
- ✓ M. Sc. (2 years = 4 semesters) in Agriculture, Rural & Tribal Development and in Rural Development & Management
- ✓ B. Voc. in Sustainable Agriculture (3 years = 6 semesters)
- ✓ B. Sc. (Hons.) in Agriculture (4 years = 8 semesters)
- ✓ Diploma (1 year = 2 semesters) in Agriculture and Rural Development

Coimbatore Campus:

- ✓ B. Ed. (2 years = 4 semesters) in Special Education (Visual Impairment, Hearing Impairment, Mental Retardation)
- ✓ M. Ed. (2 years = 4 semesters) in Special Education (Visual Impairment, Hearing Impairment, Mental Retardation)
- ✓ Integrated B. Ed. - M. Ed. (3 years = 6 semesters) in Intellectual Disability
- ✓ M. Phil. and Ph. D. (4-6 years) in Special 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
- ✓ Integrated M. Phil. - Ph. D. (4-6 years) in Physical Education
- ✓ Diploma (2 year = 4 semesters) in Special Education (Visual Impairment, Hearing Impairment, Mental Retardation)

Centres under different schools

1. VIVEKA-VYASA

Vivekananda VedantaYoga Adhyayana Samshodhana Alaya --

Centre for study and research on Vedanta & yoga under the school of Indian heritage

2. VIVEKA-CHATAK

Vivekananda Chaitanya Tattwa Anusandhan Kendra --

Centre for consciousness research under the school of Indian heritage

3. VIVEKA-JIVAN

Vivekananda Jiva Vijnan Anweshan Niketan --

Centre for research in biological sciences under the school of biological sciences

Members of Board of Management of RKMVERI

S. No.	Composition as per UGC Guidelines	Present Incumbent
1	Vice Chancellor	Swami Sarvottamananda
2	Two Deans of Faculties (by rotation based on seniority)	Prof. Sukumar Adhikari
3		Prof. Tapash Dasgupta
4	Three eminent academicians as nominated by the Chancellor	Dr. Bimal Roy
5		Prof. Shrinivas Varakhedi
6		Dr. Santanu Kumar Bandyopadhyay
7	A representative of the UGC	-- yet to be received --
8	Two teachers (from Professors, Associate Professors) by rotation based on seniority	Dr. N. Muthaiah
9		Dr. Avijit Dutta
10	Four nominees of the sponsoring Society	Swami Bodhasarananda
11		Swami Atmapriyananda
12		Sri Sunil Kumar Barnwal, IAS
13		Dr. A. Santhosh Mathew, IAS (Retired)
14	Controller of Exams.	Swami Kaleshananda
15	Registrar	Swami Kirtipradananda

Key statistics of the University as on 31 March 2022:

S. No.	Item	No.
1	Off-campus centres	3
2	Students on roll	1483
3	No. of Teachers	114
4	No. of non-teaching staff	78
5	No. of UG programmes	8
6	No. of integrated PG programmes	3
7	PG programmes	17
8	Ph. D. programmes	16
9	P. G. Diploma programmes	3

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 Bhattacharyya	Assistant Professor
3	Br. Aditya	Monastic Faculty
4	Br. Atreya	Monastic Faculty
5	Br. Prasenjit	Monastic Faculty
6	Biswajit Chakraborty	Professor
7	Bobby Ezhuthachan	Assistant Professor
8	Sabyasachi Tarat	Assistant Professor
9	Sanjoy Biswas	Assistant Professor

NEW PROGRAMMES / COURSES STARTED IN THE YEAR

- 1) Non-linear dynamics has been introduced as special paper in collaboration with Department of Mathematics.
- 2) Observational Astronomy using Telescope has been introduced as 4th Semester Msc projects.

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	M. Sc. in Physics	32
2	Ph. D. in Physics	2
Total		34

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	M. Sc. in Physics	24
2	Ph. D. in Physics	0
Total		24

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION

S. No.	Name	Exam qualified	Presently pursuing
1	Kamakhya Narayan Dutta	SET-2022 GATE-2022	Ph. D., University of Hyderabad
2	Koushik Chakraborty	JEST-2022	Ph. D., SINP Kolkata
3	Koustav Ghosh	JEST-2022	Ph. D., RKMVERI Belur Math
4	Palash Nandi	SET-2022 JEST_2022 GATE-2022	Ph. D., IIT Guwahati
5	Pallabi Chatterjee	JEST-2021, GATE-2022	Ph. D., IIT Tirupati
6	Sankha Satpathi	JEST-2022	Ph. D., NISER Bhubaneswar
7	Saptaswa Ghosh	JEST	Ph. D., IIT Gandhinagar
8	Sayan Mitra	JEST-2021	Ph. D., RRCAT Indore
9	Sitaram Maity	GATE-2022 JEST-2022	Ph. D., SINP Kolkata
10	Trisha Bhowmik	GATE-2021	M.Tech., IIT Delhi

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of current Ph. D. scholars	Name of Supervisor
1	Arnab Kanti Jana	Amitava Bhattacharyya
2	Koustav Ghosh	Amitava Bhattacharyya

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of staff who attended and presented paper in conferences, seminars, etc.

S. No.	Name	Date	Title of the paper presented	Place
1	Amitava Bhattacharyya	6 Sept 2021	Novel quasi 1D Cr based Unconventional Superconductors	IIT Kharagpur
2	Amitava Bhattacharyya	6 Sept 2021	Superconducting Magnet	IIT Kharagpur

Details of publications in journals and books

S. No.	Author	Title of Paper	Journal
1	Bobby Ezhuthachan	Virasoro algebras, kinematic space and the spectrum of Modular Hamiltonians	JHEP
2	Bobby Ezhuthachan	Critical Quenches, OTOC's and early time chaos	JHEP
3	Amitava Bhattacharyya	Antiferromagnetic correlations in strongly valence fluctuating CeIrSn	Physical Review Letters
4	Amitava Bhattacharyya	Dynamic Spin Fluctuations in the Frustrated Spin Chain Compound $\text{Li}_3\text{Cu}_2\text{SbO}_6$	Physical Review B
5	Amitava Bhattacharyya	Electron-phonon superconductivity in C-doped topological nodal-line semimetal	Journal of Physics

		Zr 5 Pt 3 : A muon spin rotation and relaxation (μ SR) study	
6	Amitava Bhattacharyya	A crossover from Kondo semiconductor to metallic antiferromagnet with 5d-electron doping in CeFe ₂ Al ₁₀	Physical Review B
7	Amitava Bhattacharyya	Pairing symmetry of an intermediate valence superconductor CeIr ₃ investigated using μ SR measurements	Physical Review B
8	Amitava Bhattacharyya	Probing the superconducting gap structure in the noncentrosymmetric topological superconductor ZrRuAs	Physical Review B
9	Amitava Bhattacharyya	Superconductivity in the layered cage compound Ba ₃ Rh ₄ Ge ₁₆	Chinese Physics Letters
10	Amitava Bhattacharyya	Effect of 3p-and 5d-electron doping on the Kondo Semiconductor CeFe ₂ Al ₁₀	Journal of Physics
11	Amitava Bhattacharyya	Thermal conductivity, thermoelectric power and Mössbauer investigations on antiferromagnetic CeFe _{1.7} Ir _{0.3} Al ₁₀	Journal of Magnetism and Magnetic Materials
12	Amitava Bhattacharyya	Nodeless time-reversal symmetry breaking in the centrosymmetric superconductor Sc ₅ Co ₄ Si ₁₀ probed by muon-spin spectroscopy	Physical Review Materials
13	Abhijit Bandyopadhyay	Dynamical analysis of k-essence cosmology in the light of Supernova Ia observations	European Physical Journal Plus (2022) 137:518
14	Abhijit Bandyopadhyay	Time-dependent diffusive interactions between dark matter and dark energy in the context of k-essence cosmology	RAA 2021 Vol.21 No.1, 2 (10pp)
15	Sonjoy Biswas	Dark photon searches via Higgs boson production at the LHC and beyond	arXiv:2206.05297

16	Shamik Gupta	Quantum unitary evolution interspersed with repeated non-unitary interactions at random times: The method of stochastic Liouville equation, and two examples of interactions in the context of a tight-binding chain,	J. Stat. Mech.: Theory Exp. 053101 (2022)
17	Shamik Gupta	State-dependent driving: A route to non-equilibrium stationary state	Proc. R. Soc. A 478, 20210885 (2022)
18	Shamik Gupta	Stochastic resetting: A very brief review	Frontiers in Physics 10, 789097 (2022)
19	Shamik Gupta	Quantum random walk and tight-binding model subject to projective measurements at random times	J. Stat. Mech.: Theory Exp. 033212 (2022);
20	Shamik Gupta	Soumen Das, Shankar Ghosh, and Shamik Gupta, Self-similar inhomogeneous stationary states under constrained dynamics	Phys. Rev. E 105, 034140 (2022)
21	Shamik Gupta	Mergent criticality and current generation	Phys. Rev. Research 3, 043179 (2021);
23	Shamik Gupta	he Sakaguchi-Kuramoto model in presence of asymmetric interactions that break rotational symmetry	Chaos 31, 083130 (2021)
24	Shamik Gupta	An overview of generalized entropic form	EPL 133, 50005 (2021); arXiv:2102.10071

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

S. No.	Investigator	Project Name	Funding Agency
1	Bobby Ezhuthachan (PI)	Dynamics and Chaos in strongly coupled QFT: Deformations and Boundaries	SERB
2	Amitava Bhattacharyya (PI)	A State-of-the-Art 4 K Closed Cycle Refrigerator for Understanding And Optimizing Novel Emergent Properties Of Quantum Materials	SERB
3	Amitava Bhattacharyya (PI)	Understanding Honeycomb Layered Oxides' Unconventional Magnetism	SERB
4	Amitava Bhattacharyya (PI)	Understanding Honeycomb Layered Oxides' Unconventional Magnetism	UGC-DAE CSR
5	Amitava Bhattacharyya (Co-PI)	Quantitative probing of spin-driven multiferroicity and microstructural tuning of magnetoelectric coupling in oxygen deficient perovskites BaRFeO_4 and RBaCuFeO_5 (R=rare-earth)	SERB

ANY OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

Telescopes in the positional astronomy centre are made functional and night sky observation, astrophotography sessions and subsequent image processing are going on a regular basis.

NAME OF THE DEPARTMENT: MATHEMATICS

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Sukumar D. Adhikari	Professor
2	Stephan Baier	Professor
3	Sudeshna Basu	Associate Professor
4	Ashish Gupta	Associate Professor
5	Shameek Paul	Assistant Professor
6	Arindam Banerjee	Assistant Professor
7	Sagnik Chakraborty	Assistant Professor
8	Dripta Mj.	Assistant Professor
9	Amit Samanta	Assistant Professor

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	M. Sc.	28
2	Ph. D	2
Total		30

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	M. Sc.	15
2	Ph. D.	0
Total		15

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:

S. No.	Name of the student	Institution joined and course pursuing
1	Harish Chandramouliswaran	Ph. D., CMI, Chennai
2	Sudipa Das	Ph. D., HRI, Allahabad
3	Pratim Mitra	Ph. D., ISI, Kolkata

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of current Ph. D. scholars	Name of Supervisor
1	Shruti Hegde	Prof. Sukumar D. Adhikari
2	Md Ibrahim Molla	Prof. Sukumar D. Adhikari
3	Dwaipayan Mazumder	Prof. Stephan Baier
4	Sourav Das	Prof. Stephan Baier
5	Arkaprava Bhandari	Prof. Stephan Baier
6	Anup Halder	Prof. Stephan Baier
7	Esrafil Ali Molla	Prof. Stephan Baier
8	Madhuparna Pal	Prof. Stephan Baier
9	Sugata Mandal	Dr. Ashish Gupta
10	Snehashis Mukherjee	Dr. Ashish Gupta
11	Sanu Bera	Dr. Ashish Gupta
12	Soumendu Nandy	Dr. Ashish Gupta
13	Bikramjit Kundu	Dr. Arindam Banerjee

14	Kanoy Kumar Das	Dr. Arindam Banerjee
15	Sirajul Haque	Dr. Arindam Banerjee
16	Susmita Seal	Dr. Sudeshna Basu
17	Shyamal Datta	Dr. Sudeshna Basu
18	Krishnendu Paul	Dr. Shameek Paul
19	Santunu Mondal	Dr. Shameek Paul
20	Aishik Chattopadhyay	Dr. Sagnik Chakraborty

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of staff who attended and presented papers in conferences, seminars, etc.

S. No.	Name	Date	Place	Title of the paper presented
1	Prof. Stephan Baier	13/07/2021	IISER Pune (online)	Primes in arithmetic progressions to large prime power moduli
2	Prof. Stephan Baier	01/08/2021	SRM University, Andhra Pradesh (online)	Distribution of α modulo 1, where α runs over the primes.
3	Prof. Stephan Baier	24/09/2021	University of Wurzburg, Germany (online)	A Bombieri-Vinogradov-type theorem with prime power moduli
4	Prof. Stephan Baier	26/02/2022	Online	Small solutions of quadratic congruences
5	Prof. Stephan Baier	28/02/2022	University of North Bengal, Siliguri (Online)	Congruences and reciprocity

Details of publications in journals and books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	Baier, Stephan; Mazumder, Dwaipayan	Diophantine Approximation With Prime Restriction in Real Quadratic Number Fields	Mathematische Zeitschrift	299, No. 1-2, 699-750(2021)

2	Baier, Stephan; Mazumder, Dwaipayan; Technau, Marc	On the distribution of α p modulo one in quadratic number fields	Unif. Distrib. Theory 16	No. 2, 1-48 (2021)
3	Baier, Stephan; Singh, Rajneesh Kumar	The large sieve for square moduli in function fields	J. Number Theory 235	420-464 (2022)
4.	Baier, Stephan; Pujahari, Sudhir	A Bombieri-Vinogradov-type theorem with prime power moduli	to appear in Acta Arithmetica	arXiv: 2107.04348
5	Baier, Stephan; Molla, Esrafil Ali	Diophantine approximation with prime restriction in function fields; with an appendix by Arijit Ganguly	to appear in Journal of Number Theory	https://doi.org/10.1016/j.jnt.2022.02.012 , arXiv: 2110.00057
6	Baier, Stephan; Das, Swarup Kumar; Mukherjee, Saayan	Solving p-adic polynomial equations using Jarret's method	submitted for publication	arXiv: 2112.13375
7	Baier, Stephan; Halder, Anup	Asymptotic behavior of small solutions of quadratic congruences in three variables modulo prime powers	submitted for publication	arXiv: 2202.06759
8	Sagnik Chakraborty, Nikhilesh Dasgupta, Amartya Kumar Dutta, Neena Gupta	Some results on retracts of polynomial rings	Journal of Algebra	567, pp. 243-268
9	Sukumar Das Adhikari and Shruti Hegde	Zero-sum constants involving weights.	Proc. Indian Acad. Sci. (Math. Sci.)	131 (2021), no. 2, Paper No. 37,
10	S. D. Adhikari, Md Ibrahim Molla, Shameek Paul	Extremal sequences for some weighted zero-sum constants for cyclic groups.	Combinatorial and additive number theory IV	Pages 1–10, Springer Proc. Math. Stat., 347, Springer, Cham (2021)
11	Sukumar Das Adhikari, Shruti Hegde, Md Ibrahim Molla, Subha Sarkar	Inverse problems related to some weighted zero-sum constants for cyclic groups	Integers 22 (2022)	Paper No. A7

12	Ashish Gupta and U. Arunachalam	GK dimensions of simple modules over twisted group algebras	Izvestiya Mathematics (Izvestiya Rossiiskoi Akademii Nauk, Seriya Matematicheska ya),	Vol 86(3), 2022
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WORKSHOPS / SEMINARS / SYMPOSIUMS HOSTED / ORGANISED DURING THE YEAR

Prof. Sukumar das Adhikari organised a workshop on Number Theory and Combinatorics during March 14-15, 2022 at RKMVERI, Belur, Howrah

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

1. Dr. Ashish Gupta has worked on a NBHM project titled “Gelfand-Kirillov dimensions of simple modules over quantum polynomials and skew-polynomial rings”.
2. Dr. Sagnik Chakraborty undertook the SERB MATRICS project titled ‘Algebraic analogue of a result of Mumford’.
3. Prof. Sukumar Das Adhikari has completed a SERB project on 18 March, 2022.

ANY OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

Prof. Varadharajan Muruganandam (IIT Palakkad) delivered a series of lectures on “The role of the exponential map in Analysis and Geometry” from May 2 to 12, 2021.

**NAME OF THE DEPARTMENT:
COMPUTER SCIENCE, BELUR MAIN CAMPUS**

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Swami Sarvottamananda	Professor
2	Dr. Subir Kumar Ghosh	Professor
3	Swami Dhyaganamyanda	Associate Professor
4	Swami Shastravidyananda	Assistant Professor
5	Br. Mrinmay	Assistant Professor
6	Dr. Sudipta Das	Assistant Professor
7	Dr. Joydeep Mukherjee	Assistant Professor
8	Dr. Soumitra Samanta	Assistant Professor
9	Br. Tamal	Assistant Professor

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	Master of Science (Computer Science)	17
2	Master of Science (Big Data Analytics)	25
Total		42

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	Master of Science (Computer Science)	11
2	Master of Science (Big Data Analytics)	20
Total		31

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:

M. Sc. Computer Science (CS)

Name	Degree	Institution	Year of joining
Anal Bera	MTech CS	National Institute of Tech. Goa	2021
Jimut Bahan Pal	PhD CS	IIT Mumbai	2022
Sounak Modak	PhD CS	Institute of Mathematical Sciences, Chennai	2021
Tamojit Saha	PhD CS	RKMVERI, Belur	2021

DETAILS OF STUDENTS PLACED:

M. Sc. Computer Science (CS)

Name	Company	Year of Joining
Monojit Dey	Voxomos Pvt Ltd, Noida	2021
Pritam Kar	Infosys Pvt Ltd.	2021
Soumyadeep Banik	Project Linked Personnel, ISI-Kolkata	2021
Soumyadip Santra	Videonetics Pvt. Ltd, Kolkata	2021
Subhadip Sahoo	Voxomos Pvt Ltd, Noida	2021
Suchibrata Bhowmik	Accentus Pvt. Ltd, Kolkata	2021

M. Sc. Big Data Analytics

Name	Company	Year of Joining
Aman Sharma	Dr.Reddys Pvt. Ltd, Hyderabad	2021
Ardhendu Singha	Credwatch, Bangalore	2021
Arijit Mondal	Hinduja Global Solutions	2021
Debantam Majilla	Accenture Pvt Ltd.	2021
Gaurav Pandey	Great Learning, New Delhi	2021
Gourab Ghosh	Tata Consultancy Services Pvt. Ltd	2021
Mrinmoy Sikdar	Tata Consultancy Services Pvt. Ltd	2021
Sagnik Gupta	Ernst &Young, Bangalore	2021
Sankha Guha	Aadhar Housing Finance Ltd.	2021
Sayandeb Saha	Rain Industries, Hyderabad	2021
Sayan Ghosh	Autowiz Pvt Ltd, Bangalore	2021
Sougat Manna	Aadhar Housing Finance Ltd. Bangalore	2021
Subhasish Roy	Aadhar Housing Finance Ltd. Bangalore	2021
Subhrangshu Bit	Tata Consultancy Services Pvt. Ltd	2021

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

Details of publications in journals and books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	Joydeep Mukherjee	Outer 1-string graphs of girth at least five are 3-colorable	Eurocomb (September 2021)	978-3-030-83823-2
2	Joydeep Mukherjee	Finding a Largest-Area Triangle in a Terrain in Near-Linear Time	WADS (August 2021)	ISSN -0303-9743
3	Sw. Sarvottamananda	Voronoi Games Using Geodesics	CALDAM 2022	ISSN -0303-9743
4	Sw. Sarvottamananda	Radius, diameter, incenter, circumcenter, width and minimum enclosing cylinder for some polyhedral distance functions.	Discret. Appl. Math 305 311-328 (2021)	ISSN: 0166-218X
5	Sw. Sarvottamananda	Voronoi game on polygons	Theoretical Computer Science .882: 125-142 (2021)	ISSN 0304-3975
6	Sw. Dhyanagamyanda	On Fractional Coloring of Oriented Graphs	Discrete and Applied Mathematics (2022)	ISSN: 0166-218X
7	Jimut Bahan Pal	Holistic Network for Quantifying Uncertainties in Medical Images	Book title: Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries - Springer Nature Switzerland	TBA

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

A Memorandum of Understanding was signed by RKMVERI with Variable Energy Cyclotron Center (VECC), Kolkata (a unit of Department of Atomic Energy, Govt of India) on 4 March 2022, for a two year period (2021-23) according to which RKMVERI will be funded Rs. 33 lakh to carry out a two-phase project on Avatar (animation) based automatic recognition and automated generation of signs and gestures in Indian Sign Language.

OTHER ACTIVITIES DURING THE YEAR WORTH MENTIONING

1. Dr. Pankaj Dhar from USA taught a 2-credit online course on Oracle Database Administration between Feb-June 2022 on honorary basis. The course was well received by the students of MSc Computer Science. This is the second time he is teaching this course.
2. Professors Gopal Basak, and Samarjit Das from Indian Statistical Institute, Kolkata offered a graduate level 4-credit course on Econometrics and Finance to the students of MSc Big Data Analytics during September-December 2021 on honorary basis. They have been rendering academic assistance since 4 years.
3. Professor Anil Maheswari from Carleton University, Canada taught in online mode a graduate level 4-credit course on “Algorithms for Data Science” to the students of MSc Computer Science during September-December 2021 on honorary basis.
4. Professor Sudebkumar Prashant Pal from IIT Kharagpur taught a graduate level 4-credit course on Computational Complexity in online mode to the MSc Computer Science students during September-December 2021 on honorary basis.

OTHER MISCELLANEOUS INFORMATION

1. Students of M. Sc. Big Data Analytics (2020-22) have all got enrolled in paid internship (minimum of Rs. 20,000/- per month) at the following places for the fourth semester M. Sc. Project work:
 - a) Dr Reddy's Laboratories Hyderabad,
 - b) Vista Intelligence Kolkata,
 - c) IIT Patna,
 - d) Videonetics Kolkata,
 - e) Creditwatch Bangalore
2. In the International Conference on Algorithms and Discrete Mathematics (CALDAM-2022) held in Puducherry at the University of Pondicherry the following faculty members of the Department of Computer Science, RKMVERI were in the committee.
 - a. Chairperson: Prof. Subir Kumar Ghosh
 - b. Steering Committee member: Swami Sarvottamananda
 - c. Organising Committee member: Swami Dhyanagamyananda

**NAME OF THE DEPARTMENT:
COMPUTER SCIENCE, COIMBATORE CAMPUS**

LIST OF TEACHING FACULTY MEMBERS

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

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	M.Sc. Data Science	16
2	M.Sc. Computer Science Applications	09
Total		25

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	M.Sc Data Science	08
2	M.Sc Computer Science Applications	09
Total		17

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PLACED:

1. M. Sc. Data Science – 8 out of 8
2. M. Sc. Computer Science Applications – 9 out of 9

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, Professor & Head	Time Series forecasting using GMDH neural networks for Chikungunya in Mysore District, India	International Journal of Mosquito Research	2348 - 5906

DETAILS OF SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES / SYMPOSIUMS HOSTED / ORGANISED DURING THE YEAR**Faculty Development Programme Organised**

S. No.	Staff Name	Name of the Programme	Organised by	Date
1	Sri V. Dineshkumar, Asst. Professor, DCS	FDP on "Interactive Board Usage"	Faculty Centre for Agricultural Education and Research (FAR), RKMVERI, Coimbatore Campus	12.11.2021

Workshop Organised

One day workshop on "Training on Dataset Analysis" conducted by Sri. Raja Durairaj, Solution Architect, AES Technologies Pvt Ltd, Coimbatore on 23.10.2021 for I-M.Sc Data Science students.

Guest Lecture

- Sri. Guruvayurappan Krishnan, Technical Analyst in Production Engineering Services- Industry 4.0, SSG Engineering Services, Coimbatore delivered a talk on "Data Analysis Problems in Industry 4.0" to M.Sc Data Science Students on 20.11.2021.
- Sri. Selvakumar K, Product Engineer, CodingMart Technologies, Coimbatore delivered a talk on "Python OODO Framework for CRM" to M.Sc Data Science Students on 27.11.2021.

- Sri. Sanakara Nethran S.N., Advisory System Analyst, IBM, Bengaluru delivered a talk on “How to break AWS Cloud Practitioner” to M.Sc Data Science Students on 27.11.2021.
- Ms. Sowkarthika B, Ph.D Research Scholar, NIT, Bhopal delivered a talk in Webinar on “Machine Learning Algorithms” to M.Sc Data Science Students on 17.12.2021.
- Ms. Sowkarthika B, Ph.D Research Scholar, NIT, Bhopal delivered a talk in Webinar on “Introduction to Machine Learning” to M.Sc Data Science Students on 12.02.2022.
- Sri. S.Bharath, Junior Data Scientist, Neoware Technologies, Chennai delivered a talk on “GitHub Repository and its Applications” to I-M.Sc Data Science students on 18.09.2021.
- Sri. S.P.Muthuraja, Senior System Manager, Foritgrid ICT India Private Limited, Coimbatore, delivered a talk on “Amazon Web Service” for M.Sc. (CSA) students on 25.09.2021.
- Sri. A.Narayanasamy, Performance Engineer, Atlassian, Australia delivered a talk in Webinar on “Cloud Computing for Real Time Applications” to M.Sc Data Science Students on 13.11.2021.
- Sri. Jinugu Subba Reddy, Data Scientist, Hyperthink Systems Pvt Ltd, Bangalore delivered a talk on “Data Science Project Life Cycle” to I-M.Sc Data Science students on 02.10.2021 through Google Meet.
- Sri. Jinugu Subba Reddy, Data Scientist, Hyperthink Systems Pvt Ltd, Bangalore delivered a talk on “Job Roles in Data Science” to I-M.Sc Data Science students on 19.10.2021.
- Sri. A. Surya, Junior Data Analyst - Trainee, Indium Software (India) Ltd, Bangalore delivered a talk on “How to Start Data Analysis” to I-M.Sc Data Science students on 20.10.2021.

OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

Project Evaluation by Industry Experts:

S. No.	Name of the External	Class	Date
1	Sri Jinugu Subba Reddy, Data Scientist, Hyperthink Systems Pvt Ltd, Bangalore	I M. Sc. Data Science	18.11.2021 & 19.11.2021
2	Sri.Raja Durairaj, Senior Software Architect, AES Technologies, Coimbatore	I M. Sc. Data Science	11.12.2021
3	Sri Raja Durairaj, Senior Software Architect, AES Technologies, Coimbatore	I M. Sc Data Science	17.12.2021
4	Sri Raja Durairaj, Senior Software Architect, AES Technologies, Coimbatore	I M. Sc. Data Science	23.12.2021

5	Sri Ramesh Raju, CEO, AES Technologies, Coimbatore	I M. Sc. Data Science	25.12.2021
6	Sri Kumaran Jeeva, Director and Bhuvana K, Bow and Baan Technology Solutions Private Limited, Chennai	I M. Sc. Data Science	09.03.2022
7	Sri Arun Divakaran, Digital Transformation - Lead, IQVIA, Coimbatore	I & II M. Sc. Data Science	17.04.2021

NAME OF THE DEPARTMENT:**SPORTS SCIENCE AND YOGA****LIST OF TEACHING FACULTY MEMBERS**

S. No.	Name	Designation
1	Dr. Uday Sankar Ray	Professor
2	Dr. Rupayan Bhattacharya	Professor
3	Dr. Kalipada Pal	Associate Professor
4	Dr. Kunal Sikder	Assistant Professor
5	Dr. Arkadeb Dutta	Assistant Professor
6	Dr. Subhadip Paul	Assistant Professor
7	Dr. Arnab Das	Assistant Professor
8	Dr. Manohar Pahan	Assistant Professor
9	Swami Samarpanananda	Monastic Faculty
10	Swami Kaleshananda	Monastic Faculty
11	Brahmachari Ajaatachaitanya	Coordinator

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	P. G. Diploma in Yoga	5
2	M. Sc. Sports Science	5

DETAILS OF STUDENTS PLACED

S. No.	Name of the student	Organisation / Company where placed
1	Tanugatri Majumdar (M. Sc. Sports Sc.)	Placed as Lead (Research) in TOPS Division, Sports Authority of India
2	Arpan Chattorpadhyay (M. Sc. Sports Sc.)	Placed as Project Staff in Department of Sports Science, Central University of Rajasthan

PARTICIPATION DETAILS IN COMPETITIONS, CULTURAL EVENTS ETC.

1. Six Students of M. A. Yoga and P. G. Diploma in Yoga participated in All India Inter University Yogasana Championship (men's category) held in KIIT Bhubaneswar – 25-28 December 2021
2. A total of 6 students from participated in the Yoga Sastra Sangamam 2022 held during 25 to 27 February 2022 at Vivekananda Kendra, Kanyakumari.

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of current Ph. D. scholars	Name of Supervisor
1	Bankim Biswas	Dr. Kunal Sikder
2	Gopinath Bhowmik Bhunia	Dr. U. S. Ray
3	Subhasis Biswas	Dr. Rupayan Bhattacharya
4	Raju Roy	Dr. U. S. Ray

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

1. Pahan M, and Singh M. Reactive Stress Tolerance in Preadolescent Sports Participants: A Comparison of Six Individual Non-Contact Sports. *Teoriâ Ta Metodika Fizičnogo Vihovannâ*. 2022; 22(1), 121-127.

2. Chaudhuri GR, Das A, Kesh SB, Bhattacharya K, Dutta S, Sengupta P, and Syamal AK. Obesity and male infertility: multifaceted reproductive disruption. *Middle East Fertility Society Journal*. 2022; 27(1): 1-2.

**DETAILS OF WORKSHOPS / SEMINARS / CONFERENCES / SYMPOSIUMS
ATTENDED DURING THE YEAR**

Two research scholars of Yoga presented paper in the Yoga Sastra Sangamam 2022 held during 25 to 27 February 2022 at Vivekananda Kendra, Kanyakumari.

- Sanjoy Majhi; Title of the paper- Role of Divine Grace in Attaining Cittavṛttinirodhaḥ.
- Rama Arya; Title of the paper- Interconnectedness of causes of suffering: Sāmkhya, Yoga and Ayurveda.

Name of the Department:

Sanskrit and Philosophy

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Subject Taught
1	Swami Japasiddhananda	Vyākaraṇa, Advaita-vedānta, Sāhitya, Gītā-upaniṣad chanting
2	Dr. Rakesh Das	Vyākaraṇa, Nyāya, Sāṅkhya, NLP, Research Methodology, Manuscriptology
3	Dr. Venkataramana Bhat	Sāhitya, Veda, Vedāṅga, Advaita-Vedānta, Yoga, Research Methodology
4	Dr. Gopikrishnan Reghu	Vyākaraṇa, Mīmāṃsā, Research Methodology, Manuscriptology
5	Dr. Nagaraja Bhat	Advaita-vedānta, Mīmāṃsā, Sāṅkhya, Gītā-upaniṣad chanting
6	Dr. Neeraj Kumar Bhargave	Vyākaraṇa, Nyāya, Advaita-Vedānta
7	Dr. Shantanu Ambadas Ayachit	Advaita-vedānta, Sāhitya, Gītā-upaniṣad chanting
8	Dr. Sukhdev Bhatt	Vyākaraṇa
9	Swami Vedarthananda	Advaita-vedānta, Sāhitya, Research Methodology

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

CORE PROGRAMME

S. No.	Programme	No. of Students
1	Integrated M. A. in Sanskrit	18
2	Integrated Ph. D. in Sanskrit	6
TOTAL		24

OUTREACH PROGRAMMES

S. No.	Programme	No. of Students
1	Communicative Sanskrit	
	1) Online Preliminary Sanskrit (Jul-Dec 2021)	107
	2) Online Preliminary Sanskrit (Jan-Jun 2022)	88
	3) Online Intermediate Sanskrit (Jan-Jun 2022)	41
Total		236
2	Pāṇiniya-praveśa	
	1) Online Laghusiddhāntakaumudī (Jan-Jun 2022)	37
	2) Online Siddhāntakaumudī (Jan-Jun 2022)	11
Total		308

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	Integrated M. A. in Sanskrit	18
2	Integrated Ph. D. in Sanskrit	4
Total		22

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:

S. No.	Name	Presently pursuing	Institute
1.	Basudev Gorai	M. Phil.	RKMVERI, Belur Math
2.	Buddhodev Ghosh	Ph. D.	Indian Institute of Technology Bombay, Maharashtra
3.	Pritam Bera	M. Phil.	RKMVERI, Belur Math
4.	Prolay Nandi	M. Phil.	RKMVERI, Belur Math

5.	Rajib Dandapat	B. Ed.	Katwa College, Purba Bardhaman
6.	Subhadeep Das	M. Phil.	RKMVERI, Belur Math
7.	Subhajit Das	B. Ed.	Edugate Teachers Training Institute, Paschim, Medinipur
8.	Tanmay Porel	Ph. D.	Central Sanskrit University, Shri Sadashiv Campus, Puri
9.	Tapas Khanra	Ph. D.	Indian Institute of Technology Bombay, Mumbai, Maharashtra
10.	Tirthankar Dey	M. Phil.	RKMVERI, Belur Math
11.	Anushree Datta	B. Ed.	Genex B.Ed. College, Sugandha, Chuchura, Hooghly
12.	Chitra Dey	B. Ed.	J.N. Konar College of Education, Alinagar, Purba Bardhaman
13.	Ratri Roy Pratiher	B. Ed.	Edugate Teachers Training Institute, Paschim Medinipur
14.	Subarna Paul	M. Phil.	RKMVERI, Belur Math

DETAILS OF STUDENTS PLACED:

S. No.	Name	Designation	Institute
1.	Koushik Giri	Teacher (contractual)	Ramakrishna Mission Vidyapith, Deoghar, Jharkhand
2.	Milan Malik	Technical Supporting Staff	Dept. of Sanskrit and Philosophy, RKMVERI, Belur Math

DETAILS RELATING TO PH.D. SCHOLARS DURING THE YEAR

S. No.	Name of current Ph.D. scholars	Name of Supervisor
1.	Basudev Gorai	Dr. Neeraj Kumar Bhargave
2.	Pritam Bera	Dr. Sukhdev Bhatt
3.	Prolay Nandi	Dr. Gopikrishnan Reghu
4.	Subhadeep Das	Dr. Nagaraja Bhat
5.	Tirthankar Dey	Dr. Shantanu Ayachit

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of staff who attended and presented paper in conferences, seminars, etc.

S. No.	Name	Date	Title of the paper presentad
1.	Dr. Rakesh Das	23 March 2022	Svāminārayaṇabhāṣyadiśā Adṛṣyatvādhikaraṇa
2.	Dr. Gopikrishnan Reghu	15-16 September 2021	Devatāpratyayārtavimarśaḥ
3.	Dr. Gopikrishnan Reghu	19-21 January 2022	Mahābhāṣyavyākhyāsu siddhāntabhedāḥ- ekaṁ viśleṣaṇam
4.	Dr. Gopikrishnan Reghu	24-25 January 2022	Kārakatatvoktadiśā- sampradānavimarśaḥ
5.	Dr. Nagaraja Bhat	27 Dec 2021	Pūrvamīmāṃsādarśanānusāraṃ Dharmasvarūpavimarśaḥ"
6.	Dr. Neeraj Kumar Bhargave	15 -16 September 2021	Vaiyākaraṇābhīmatasampradānacaturt hīvibhaktyarthavimarśaḥ
7.	Dr. Neeraj Kumar Bhargave	20-21 September 2021	Lakṣaṇāvicāraḥ
8.	Dr. Neeraj Kumar Bhargave	19-21 January 2022	Sūtralakṣaṇavimarśaḥ
9.	Dr. Neeraj Kumar Bhargave	24-25 January 2022	Kārakadvitīyārthavimarśaḥ
10.	Dr. Shantanu Ayachit	23 March 2022	Akṣarapurūṣottamadarśane Dahararidya
11.	Dr. Shantanu Ayachit	29 March 2022	Anirvacanīyakhyātivāda
12.	Dr. Sukhdev Bhatt	15 -16 September 2021	Liṅarthavimarśaḥ
13.	Dr. Sukhdev Bhatt	24-25 January 2022	Karaṇatṛtīyārthavimarśaḥ

Details of publications in journals

S. No.	Author	Title of Paper	Books/Journal	ISSN/ISBN
1.	Swami Japasiddhanda	Dhanyaṣoḍaṣī (Poem in Sanskrit)	Sanskrita Pratibha, a quarterly journal of the Sahitya Akademi, New Delhi. Vol. 79, Edition: April-June 2021	ISSN: 05583764
2.	Swami Japasiddhanda	Sthānivallakṣaṇa-lakṣyāṇi (A research Paper in Sanskrit)	Svādhyāya, referred and blind 'peer-reviewed' annual multilingual research journal of the Oriental Institute, The Maharaja Sayajirao University of Baroda, Vadodara. Issue No. 58	ISSN: 2250-0391
3.	Swami Japasiddhanda	Peace Package for Pilgrims (on the inward spiritual journey) (An article in English)	Thai Prajñā, the annual international research journal of the Silpakorn University, Bangkok, Thailand.	ISSN: 1686-9354
4.	Swami Japasiddhanda	Sādhuṣoḍaṣī (Poem of 16 verses in Sanskrit on god-man)	Prācī Prajñā (Kāvyaadhārā), e-Journal in Sanskrit https://drive.google.com/file/d/1m2rvX0RKGbSizMrMMXZTgsyp-AO1edcu/view	ISSN 2348 – 8417
5.	Dr.Nagaraja Bhat	Pūrvamīmāṃsāprakarāṇagrāntheṣu Dharmalakṣaṇasa mīkṣaṇam	NISSHREYASI Vol 06 2022	2582-2608
6.	Dr. Neeraj Kumar Bhargave	Nāgeśābhimatakarāṇatṛtīyārthavimārśaḥ	Padagaṅgā (Vol.5, 2021) Peer Reviewed Annual Research journal of Vyakarana	2581-6446
7.	Dr. Shantanu Ayachit	Karturtwanirnaya	Nisshreyasi	978-81-8315-426-0

Details of publications in books

S. No.	Author	Name of the book	ISSN/ISBN
1.	Rakesh Das (Editor)	Mahānārāyaṇopaniṣad (word to word meaning, running translation, commentary by Sāyaṇa, translation of commentary)	978-9384425-30-2
2.	Rakesh Das (Editor)	Mahānārāyaṇopaniṣad (according to Andhra recension. Word to Word meaning, running translation)	978-9384425-32-6

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

Extension Lectures

S. No.	Duration	Details
1.	2 to 14 August 2021	Extension lectures Series 1 organised for the 4th year Vyakarana students of the <i>MA Integrated in Sanskrit</i> programme (equivalent to 1 st year MA), Batch 2018-23, on the text <i>Laghuśabdendu-śekhara</i> by Dr.Ganeshwar Nath Jha, Assistant Professor, HoD, Vyakaran, Central Sanskrit University, Ekalavya Campus, Tripura
2.	2 to 14 August 2021	Extension lectures Series 2 organised for the 5th year Vyakarana students of the <i>MA Integrated in Sanskrit</i> programme (equivalent to 2 nd year MA), Batch 2017-22, on the text <i>Vyutpattivāda (prathamākārake abhedānvayah)</i> by Prof.Sachchidanand Mishra, Assistant Professor, Department of Philosophy and Religion, Banaras Hindu University, Ajagara, Varanasi
3.	2 to 14 August 2021	Extension lectures Series 3 organised for the 3rd year Vedanta students of the <i>MA Integrated in Sanskrit</i> programme (equivalent to 3 rd year BA Hons.), Batch 2019-24, on the text <i>Pañcadaśī with Ramakrishna tīkā (1st and 2nd prakaraṇam)</i> by Dr.Ganesh Ishwar Bhat, Associate professor in Advaita Vedanta, Rajiv Gandhi Campus, Central Sanskrit University, Sringeri
4.	2 to 14 August 2021	Extension lectures Series 4 organised for the 5th year Vedanta students of the <i>MA Integrated in Sanskrit</i> programme (equivalent to 2 nd year MA), Batch 2017-22, on the text <i>Advaitasiddhiḥ of Madhusūdana-sarasvatī</i> by Dr. Shrihari Shivram Dhaygude, Assistant Professor, Department of Advaita Vedanta, National Sanskrit University, Tirupati
5.	3 Aug – 30 Sept 2021 21 Oct – 10 Dec 2021	Extension lectures Series 5 organised for the 4 th year students of the <i>MA Integrated in Sanskrit</i> programme (equivalent to 1 st year MA), Batch 2018-23, on the topic <i>Linguistics with special reference to Sanskrit (Series1: Basics of modern Linguistics for Sanskrit students, Series 2: Emerging Trends in Sanskrit Oriented Linguistics)</i> by Dr.Anita Bandyopadhyay, Associate Professor, Department of Linguistics, Sanskrit College and University, Kolkata

6.	4 to 9 August 2021	Extension lectures Series 6 organised for the 3 rd year students of the <i>MA Integrated in Sanskrit</i> programme (equivalent to 3 rd year BA Hons.), Batch 2019-24, on the topic <i>Maṅgalavāda in Nyāyasiddhāntamuktāvalī</i> by Prof. Lalita Chakraborty, Senior Professor, Department of Sanskrit, Pali & Prakrit, Bhasha-Bhavana, Visva-Bharati, Santiniketan
7.	16 to 28 August 2021	Extension lectures Series 7 organised for the 5 th year Vyakarana students of the <i>MA Integrated in Sanskrit</i> programme (equivalent to 2 nd year MA, Batch 2017-22, on the text <i>Vyutpattivāda (prathamākārake abhedānvayah)</i> by Dr.Sandeep Kumar Sharma, Ujjain
8.	22 Sept to 9 Oct 2021 18 Oct to 3 Nov 2021	Extension lectures Series 8 organised for the 3 rd year Vedanta students of the <i>MA Integrated in Sanskrit</i> programme (equivalent to 3 rd year BA Hon.), Batch 2019-24, on the text <i>Pañcadaśī with Ramakrishna ṭīkā (3, 4, 5 prakaraṇam)</i> by Dr.Ganesh Ishwar Bhat, Associate professor in Advaita Vedanta, Rajiv Gandhi Campus, Central Sanskrit University, Sringeri

Workshop

1.	2 to 28 August 2021	International Workshop Series 1, <i>Close Reading of the śāstras (śravaṇa-manana) on the Mīmāṃsā text Arthasaṅgrahaḥ of Laugākṣi-Bhāskara</i> , 15 th century CE. By Dr. K. S. Maheswaran, Assistant Professor, The Madras Sanskrit College, Chennai
2.	30 Dec 2021 to 13 Jan 2022	International Workshop Series 2, 'Close Reading of the śāstras (śravaṇa-manana)' on <i>Vyākaraṇa-śatakoṭīḥ</i> in the aphorism <i>Arthavada-dhāturapratyayah Prātipradīkam</i> by Dr.Ganeshwar Nath Jha, Assistant Professor, HoD, Department of Vyakarana, Central Sanskrit University, Ekalavya Campus, Agartala, Tripura,
3.	3 January to 3 February 2022	International Workshop Series 3, 'Close Reading of the śāstras (śravaṇa-manana)' on <i>Sāṃkhya-kārikā</i> of <i>Īśvara-kṛṣṇa</i> by Dr. Rakesh Das, Assistant Professor, Department of Sanskrit and Philosophy, RKMVERI, Belur Math
4.	17 January to 5 February 2022	International Workshop Series 4, 'Close Reading of the śāstras (śravaṇa-manana)' on <i>Kriyā-svarūpa</i> in <i>Pāṇinīya-Vyākaraṇa</i> by Dr. Ch. K. Padmanabham, Assistant Professor, Vyakarana Department, Central Sanskrit University, Sringeri.

5.	15 February to 15 March 2022	International Workshop Series 5, 'Close Reading of the śāstras (śravaṇa-manana)' on <i>Dhātvartha-nirṇayaḥ</i> in <i>Vaiyākaraṇa-Bhūṣaṇasāra</i> of Kauṇḍa-Bhaṭṭa by Dr. Neeraj Kumar Bhargave, Assistant Professor, Department of Sanskrit and Philosophy, RKMVERI.
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DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

Publication of Important and rare books:

S. No.	Name	Publication Date
1	Upaniṣat-saṁgraha (Bengali version)	26 December 2021
2	Upaniṣat-saṁgraha (Sanskrit version)	4 November 2021
3	Mahānārāyaṇopaniṣad (word to word meaning, running translation, commentary by Sāyaṇācārya, translation of commentary)	4 March 2022

ANY OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

Jñānayajñaparva

12 December 2021 to 10 February 2022

A scriptural study programme meant for monks.

Details of the schedule:

S. No.	Subject	Teacher	Hours	Topics
1	Laghusiddhānta-kaumudī	Pankaj Raul Rajkumar Mandal	15+10	Samjñā and Sandhi prakaraṇas
2	Laghusiddhānta-kaumudī	Shubhankar Das	18	Kāraka, Kṛdanta, and Samāsa prakaraṇas
3	Laghusiddhānta-kaumudī	Swami Vedarthananda	28	Ajanta-puṁllīṅgaprakaraṇa
4	Taittirīyopaniṣad	Swami Vedarthananda	9	Brahmānandavallī

5	Sāṅkhya-kārikā	Dr. Rakesh das	35	The complete book containing 72 verses
6	Īśāvāsyaopanaṣad	Swami Sarvottamananda	6	Mantras 10 to 18
7	Śrīmadbhagavadgītā Śrīdharaṭīkāśahitā	Swami Atmapriyananda	6	2nd & 3rd Chapters
8	Svādhyāyaḥ	Self-study (library hours)	60	Venue: Sanskrit Departmental Library/Central Library
9	Tarkasaṅgrahaḥ	Prolay Nandi	7	
Total no of hours			194 hours	

Bridge course

12 December 2021 to 3 February 2022

A Bridge course was conducted for Sri Jayendra Lal Joshi, a resident of Germany, intending to study Sanskrit and scriptures. It was 6 credit course was offered for him, with view to help him pick up the basics of Sanskrit Language and pronunciation skills.

Details of the bridge course:

S. No.	Course Details	Teacher	Contact Hours
1.	Saṁskṛtabhāṣā-pravēśaḥ	Milan Malik	3 hours per week
2.	Sanskrit-Composition	Milan Malik	3 hours per week

A Short Term Course: *Introductory Sanskrit Study*

Thursday 9 June 2022 to 31 August 2022

A short term course *Introductory Sanskrit Study* is designed for Sri Aamir Mohamed Kaderbhai, a student of the University of Oxford, England.

Details of the short term course:

S. No.	Course Details	Course Facilitator	Contact Hours
1.	Samskṛtabhāṣā-Praveśaḥ (sentence construction, change of voices, etc.)	Rajkumar Mondal	6 hours per week
2.	Recital of Śrīmad-Bhagavadgītā, and Kaṭhōpaniṣad (oral training in the traditional chanting of the sacred Gītā and Upaniṣad verses)	Sankha Subhra Gachchhit + Rajesh Adhikari	3 hours per week
3.	Coaching in traditional methods of pronunciation of Sanskrit phonemes, and reading of Sanskrit text, and memorisation of word declensions and verbal forms (śabdarūpa and dhātu-rūpa)	Subhadeep Das + Shanti Ghosh	5 hours per week
4.	Library (Central Library, RKMVERI, and Sanskrit Departmental Library)	Supervised and guided by Sankha Subhra Gachchhit	6 hours per week

Remedial Class for boosting up the academic quality: Jan-Jun 2022

S. No.	Course	Teacher	Beneficiaries	Hours of coaching
1.	Samskṛta-bhāṣāpravēśaḥ	Soumitra Acharya + Santanu Nayek	Batch 2021-26, 1 st year students	27
2.	Vēdapāṭha (Suktam Chanting)	Swami Japasiddhananda	Batch 2021-26, 2 nd year students	31
Total no of hours				58 hours

**NAME OF THE DEPARTMENT:
INTEGRATED RURAL DEVELOPMENT AND MANAGEMENT**

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Dr. Tapash Dasgupta	Dean, IRDM Faculty Centre
2	Dr. Pranab Kumar Nag	Professor, Environment and Disaster Management
3	Dr. Kajal Sengupta	Professor, Agronomy
4	Dr. Amitava Chatterjee	Emiratus Professor, Agricultural Biotechnology
5	Dr. Kunal Ray	Professor, Medical Biotechnology
6	Dr. Subrata Banerjee	Professor, Medical Biotechnology
7	Dr. Rukhsana Chowdhury	Professor, Medical Biotechnology
8	Dr. Rupak Goswami	Associate Professor, Agriculture and Rural Dev.
9	Dr. Gautam Chatterjee	Assistant Professor, Agricultural Biotechnology
10	Dr. Sanchayeeta Misra	Assistant Professor, Agriculture and Rural Dev.
11	Dr. Ashutosh Sawarkar	Assistant Professor, Genetics and Plant Breeding
12	Dr. Kishor Kumar	Assistant Professor, Agricultural Biotechnology
13	Dr. Debapriya Ghosh	Assistant Professor, Medical Biotechnology
14	Dr. Bhubaneswar Pradhan	Assistant Professor, Agriculture Biotechnology
15	Dr. Alok Kumar Hazra	Scientist , Quality Testing Laboratory

NEW PROGRAMMES / COURSES STARTED IN THE YEAR

- i) M. Sc. (Ag.) in Agronomy
- ii) M. Sc. in Medical Biotechnology
- iii) Ph. D. in Medical Biotechnology

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	29
3	M. Sc. in Environment and Disaster Management	14
4	M. Sc. (Ag.) in Genetics and Plant Breeding	13
5	M. Sc. (Ag.) in Agronomy	11
6	P. G. Diploma in Post Harvest and Food Technology	20
7	M. Sc. in Medical Biotechnology	16
8	Ph. D. in Medical Biotechnology	2
8	Ph. D. in Genetics and Plant Breeding	3
Total		130

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	M. Sc. in Agricultural Biotechnology	17
2	M. Sc. in Agriculture and Rural Development	29
3	M. Sc. In Environmental Science and Disaster Management	12
4	M. Sc. (Ag.) in Genetics and Plant Breeding	8
6	P. G. Diploma in Post-harvest Technology	11
7	Ph. D. in ARD	1
Total		78

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:

- i. Mr. Akash Datta: Full Bright PhD Fellow (University of Illinois, Urbana campus, USA)
- ii. Mr. Dipanjan Roy: PhD Scholar (NIPER-Kolkata)
- iii. Mr. Subhojit Ghosh: PhD Scholar (Institute of Bioinformatics and Applied Biotechnology, Bengaluru)
- iv. Ms Shrestha Pattanayak: PhD Scholar (CSIR-IICB, Kolkata)
- v. Ms Deepanwita Mitra: PhD Scholar (University of Burdwan)
- vi. Ms Neha Gupta: PhD Scholar (Czech University of Life Science, Prague)
- vii. Ms. Samita Saha: PhD Scholar (RKMVERI)
- viii. Mr. Nilohit Payra: PhD Scholar (RKMVERI)
- ix. Mr. Suvam Datta: PhD Scholar (RKMVERI)

DETAILS OF STUDENTS PLACED:

1. Mousam Halder: Medical Representative (Sun Pharma)
2. Sreyasree Das: Assistant Manager (Axis Bank)
3. Moumita Saha: Process Associate (Amazon India)
4. Kriva Bhattecarjee: Teaching Assistant (Neotia University)
5. Banashree Maity: Facilitator, DESAE program (KVK Kalyan, Purulia)
6. Snigdha Ghosh: Content Developer (Byju)
7. Ananya Dey: Communication Officer (Development Research and Services Centre)
8. Mr. Anupam Biswas: Officer Scale 1 (Bangiyo Gramin Bikas Bank)
9. Arun Maity: Project coordinator (Center for People's Forestry)
10. Jayatri Basu: MIS Executive (Anudip Foundation)
11. Megha Chattopadhyaya: Documentation & Monitoring Head (Swapnapuron Welfare Society)
12. Mira Mahato: Asst. Agriculture Expert (Lokokalyan Parisad, WB Govt Project)
13. Niloy Biswas: Project Executive (Change Initiatives)
14. Payel Das: Project Officer (Prabha NGO)
15. Pingala Paul: Project Supervisor (Women's Interlink Foundation)

16. Priyanka Mondal: Project Manager (Digambarpur Angikar)
17. Md.Rahidul-islam-Khan: Livelihood Integrator (Shamayita Math)
18. Risha Bhattacharyya: Project Communication Manager (Drishtee Foundation)
19. Rishita Roy: Centre Manager (CRISIL Foundation)
20. Shreya Das: Project Supervisor (Child IN Need Institution (CINI))
21. Soumya Deshmukh: counsellor (Maya Foundation)
22. Susrut Roy: Project Executive (Change Initiatives)
23. Suvangini Das: Documentation officer (Development Research and Services Centre)
24. Sanjukta Chakraborty: Programme Manager (Maya Foundation)
25. Abdul Aziz : Elmac Foods LLP
26. Biswabandita Mahato : Elmac Foods LLP
27. Nasrin Rahaman: Elmac Foods LLP
28. Puja Mondal : Kendriya Vidyalaya, No. - 2, Ishapore
29. Saikat Adak : Elmac Foods LLP
30. Sudip Dalui : Elmac Foods LLP
31. Tiasha Chatterjee : Country Bean

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of current Ph. D. scholars	Name of Supervisor
1	Shyam Chandra Ghosh	Prof. Tapash Dasgupta
2	Nilahit Payra	Prof. Tapash Dasgupa
3	Samita Saha	Dr. Ashutosh Sawarkar
4	Shuvam Datta	Dr. Ashutosh Sawarkar
5	Adrija Banerjee	Dr. Kishor Kumar
6	Shibasis Mukherjee	Dr. Gautam Chatterjee
7	Argha Chakraborty	Dr. Gautam Chatterjee
8	Sangita Patra	Dr. Rupak Goswami
9	Kalyan Roy	Dr. Rupak Goswami
10	Kousik Mallick	Dr. Sanchayeeta Misra
11	Kunal Singh	Dr. Rupak Goswami

12	Poulami Sen	Dr. Sanchayeeta Misra
13	Ria Bhattacharya	Dr. Sanchayeeta Misra
14	Rantim Banerjee	Dr. B. Pradhan
15	Mahadev Bera	Prof. P. K. Nag
16	Sunayana Ray	Prof. P. K.Nag
17	Akash Kumar Haldar	Dr. Kunal Sikdar
18	Somnath Ghosal	Prof. Subrata Banerjee
19	Soumyajyoti Ghoshal	Dr. Kunal Sikdar
20	Sujata Saha	Dr. Arnab Basu
21	Debdatta Talukdar	Dr. Kunal Sikdar

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of staff who attended and presented paper in conferences, seminars, etc.

S. No.	Name	Date	Title of the paper presented
1	Dr. Rupak Goswami	15 March 2022	“International Seminar on Rural Technology, Innovation & IPR: The Way Ahead” at USTM, Meghalaya

Details of publications in journals and books

S. No.	Author	Title of Paper	Journal
1	A. Nath, D. Nath and Tapash Dasgupta	Population structure and diversity analysis of Indica and Japonica rice genotypes	<i>Bulgarian Journal of Agricultural Science</i> , vol. 27 (1): 120-127
2	S. H. Prakash and Tapash Dasgupta	General and Specific Combining Ability in Sesame (<i>Sesamum indicum</i> L.) for Seed Yield and Related Traits.	<i>Current Journal of Applied Science and Technology</i> , vol. 40(12): 81-87.
3	M. Bhattacharjee, S. Kundagrami and Tapash Dasgupta	Combining Ability for Quantitative Traits in Sesame Through Line X Tester Analysis	<i>The Bioscan</i> , vol. 16(1): 239-246

4	M. Bhattacharjee, S. Kundagrami and Tapash Dasgupta	Analysis of genetic estimates and divergence of some Indian and exotic genotypes of Sesame (<i>Sesamum indicum</i> L.).	<i>Agricultural Mechanisation in Asia, Africa and Latin America (AMA)</i> , vol. 51 (3): 1003-1014.
5	P Chakraborty, R. Chowdhury, A. Bhakta, P. Mukhopahyay and S. Ghosh	Microbiology of periodontal disease in adolescents with Type 1 diabetes: Diabetes & Metabolic Syndrome:	<i>Clinical Research & Reviews</i> 15 (2021) 102333
6	P Dasgupta, Rupak Goswami, S. Chakraborty, and S Saha	Unstainability analysis of integrated farms in coastal India.	<i>Current Research in Environmental Sustainability</i> , 3, 100089.
7	Rupak Goswami, K. Roy, S. Dutta, K. Ray, K., S. Sarkar, K. Brahmachari, and K. Majumdar	Multi-faceted impact and outcome of COVID-19 on smallholder agricultural systems: Integrating qualitative research and fuzzy	<i>Agricultural Systems</i> , 189, 103051.
8	S Dutta, S Patra, Rupak Goswami, K Majumdar, VK Singh, T Chakraborty, K. Ray, and H. Banerjee	Carbon farming – a win-win for smallholder farmers and global industries: an opinion	<i>Indian Journal of Agronomy</i> , 66, S57-S68.
9	P Sen, Sanchayeeta Misra, S Das, P Paul, S Saha and Rupak Goswami	Women's Empowerment in Agriculture: A Brief Note for the Beginners	In S Roy. et al. (Eds.). Building Self-Reliant India Through Techno-Rich Extension System in Agriculture and Allied Sectors, IBPSS, New Delhi
10	A. Dey, A.K. Hazra, A. Mukherjee, S. Nandy and D.K. Pandey	Chemotaxonomy of the ethnic antidote <i>Aristolochia indica</i> for aristolochic acid content: Implications of anti-phospholipase activity and genotoxicity study	<i>Journal of Ethnopharmacology</i> , 266 (2021) 113416

11	S. Bhattacharyya S, Alok Kumar Hazra, B. Chakraborty, T.K.Sur and A.Saha	Enumerate chlorogenic acid in different forms of coffee by simple high performance thin layer chromatographic method.	<i>World Journal of Advanced Research and Reviews</i> , 2021, 09(02), 120–126
12	S. Nandy, A.K. Hazra., D.K. Pandey, P. Ray and A. Dey.	Elicitation of industrially promising vanillin type aromatic compound 2-hydroxy 4-methoxy benzaldehyde (MBAID) yield in the in-vitro raised medicinal crop <i>Hemidesmus indicus</i> (L R. Br.) by methyl jasmonate and salicylic acid	<i>Industrial Crops and Products</i> , 164 : 113375.
14	M. N. Ali and Syandan Sinha Ray	Synthetic Seeds Vis-A-Vis Cryopreservation: An Efficient Technique for Long-Term Preservation of Endangered Medicinal Plants	In Medicinal Plants Bioprospecting and Pharamacognosy eds. Amit Baran Sharangi, K. V. Peter
15	A.B. Sharangi, M.N. Ali and Syandan Sinha Ray	Botany and Breeding of Spice Crops	NIPA, New Delhi
16	S. Mukherjee, S. Sain, S., M.N. Ali, Rupak Goswami, A. Chakraborty, K. Ray, R. Bhattacharjee, B. Pradhan, N. Ravisankar, N. and Gautam Chatterjee	Microbiological properties of Beejamrit, an ancient Indian traditional knowledge, uncover a dynamic plant beneficial microbial network	<i>World Journal of Microbiology and Biotechnology</i>
17	K. Neelam, Kishor Kumar, A. Kaur, A. Kishore, P. Kaur, A. Babbar, et al	High-resolution mapping of the quantitative trait locus (QTLs) conferring resistance to false smut disease in rice	<i>World Journal of Microbiology and Biotechnology</i>
18	A. Pradhan, M. Roy Choudhury, Ashutosh Sawarkar and S. Das	Genetic analysis of some genotypes of Indian mustard (<i>Brassica juncea</i> L.) for yield and yield attributing Traits	<i>Current journal of Applied Science and Technology</i>

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**)
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 and Dr. A. Sawarkar, Co 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. The project on “Human Surface Thermographic Profiling as Indicator of Climate Susceptibility and Impact Mitigation using Social Networking” was sanctioned by DST (Govt. of India) for 2017-21 [Rs 69.43lacs] (**Prof. P. K. Nag, PI**).
8. “Fostering Network in Education, Research & Innovation in Environmental Occupational Health” project was funded by European Commission for the period 2016-21 [54.96 lakhs] (**Prof. P.K. Nag, PI**)
9. A project entitled ‘Using Women Farmers’ Social Networks to Improve the Delivery of Agricultural Information through Information Communication Technology in Selected Rural Areas of West Bengal was funded by the Indian Council of Social Science Research. (Period: 2022-2024; Share: INR.700000) [**Dr. Sanchayeeta Misra, S (PI) and Dr. Rupak Goswami, (Co-PI)**]

10. '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. Rupak Goswami, (PI) and Dr. Sanchayeeta Misra (Co-PI)**
11. Research Consultancy Project on Assessing the Natural Farming in Selected Areas of Jharkhand State. Supported by Welthungerhilfe. [Period: 2022; Share: INR. 300000] **Dr. Rupak Goswami, PI**

OTHER ACTIVITIES DURING THE YEAR WORTH MENTIONING

- **Prof. Tapash Dasgupta** acted as a Chief Guest in West Bengal State Varietal Release Committee meeting organized by the Director of Agriculture, Govt. of West Bengal, held on 27 August, 2021 for consideration of new varieties.
- **Prof. Tapash Dasgupta** attended a meeting as an expert member on 17 September, 2021 organized by Department of Agriculture, Govt. of West Bengal, for recommendation of State Government to be considered by the Ministry of Environment and Forest, Gov. of India, for exemption of SDN1 and SDN2 list of plants from Genetic Engineering Approval committee (GEAC).
- **Prof. P K Nag** participated in (The Erasmus Plus project) International Conference on "Strengthening Network for Education, Research and Innovation in Environmental and Occupational Health" (TUTORIAL) held at Bishkek, Kyrgyzstan, from 1-2 April 2021 via Zoom meeting.
- **Prof. Rukhsana Chowdhury** acted as an External Expert, Faculty Promotion Committee SINP 13 Jan, 2021
- **Prof. Rukhsana Chowdhury** acted as an External Expert, Faculty Promotion Committee SINP 18 Nov, 2021.
- **Prof. Kajal Sengupta** took part in a live programme of Krishi Darshan in Kolkata Doordarshan on 7th September, 2021.
- **Dr. Sanchayeeta Misra** acted as a Resource Person in the HRD Training for the KVK personnel on **25 March 2021**.
- **Prof. Tapash Dasgupta** has been invited to act as an expert member in the Board of studies of Department of Agriculture, JIS University, West Bengal.
- **Dr. Rupak Goswami** delivered an invited lecture in the Winter School on Advanced Extension and Communication Strategy for Sustainable Livelihood through Animal Husbandry and Allied Farming System, organized by West Bengal University of Animal & Fishery Science, **on 4 March, 2022**

OTHER MISCELLANEOUS INFORMATION

- Prof. Kajal Sengupta published 2 extension articles in daily newspaper 'Sanbad Protidin' in 2022
- A MoU has been signed between IRDM, RKMVERI and Tea Research Institute, Tocklai, Assam for research collaboration and students' M. Sc. dissertation and Ph. D. program
- Research collaboration has commenced between Indian Institute of Agricultural Biotechnology (ICAR) Ranchi and IRDM, RKMVERI. A MoU has been signed by the two institutes in this respect.

**NAME OF THE DEPARTMENT:
AGRICULTURE RURAL AND TRIBAL DEVELOPMENT**

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Dr. R. Thakur	Professor and Associate Dean
2	Dr. Dipankar Chatterjee	Asst. Professor
3	Dr. Avijit Kr. Dutta	Asst. Professor
4	Dr. Arunava Sengupta	Asst. Professor
5	Sri Amitava Dutta	Asst. Professor
6	Dr. Deepnarayan Mukherjee	Asst. Professor
7	Dr. Sudarsan Biswas	Asst. Professor
8	Dr. Vishal. W. Dhote	Asst. Professor
9	Pankaj Mishra	Asst. Professor
10	Dr. Soumik Dey	Asst. Professor
11	Sri Supratim Patra	Lab Demonstrator
12	Sri Koustab Majumdar	Teaching Assistant
13	Sri Arindam Ghosh	Teaching Assistant
14	Sri Suresh Mahto	Teaching Assistant

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	Integrated M. Sc. in Agriculture Rural and Tribal Development	42
2	M. Sc. in Agriculture Rural and Tribal Development (Lateral Entry)	22
3	MA/M. Sc. Rural Development and Management	25
4	Bachelor of Vocation in Sustainable Agriculture	38
5	B. Sc. (H) in Agriculture	33
6	Diploma in Organic Farming	8
Total		168

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	Ph. D. in Agriculture, Rural and Tribal Development	1
2	Integrated M. Sc. in Agriculture, Rural and Tribal Development	11
3	M. Sc. in Agriculture, Rural and Tribal Development.	1
4	B. Sc. (H) in Agriculture, Rural and Tribal Development	12
5	M. A. /M. Sc. Rural Development and Management	20
6	Diploma in Organic Farming	11
Total		56

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PLACED:

Programme:

Five-year Integrated M. Sc. in Agriculture, Rural & Tribal Development and Management (ARTD), Batch 2016-21

S. No.	Name of the students	Name of the organization
1.	Anant Kumar	Syngenta Global, Begusarai (Bihar)
2.	Kailash Kumar	Jharkhand State Livelihood Promotion Society (JSLPS), Ranchi
3.	Krishna Kumar Mahli	Professional Assistance for Development Action (PRADAN)
4.	Mahendra Karmali	Jharkhand State Livelihood Promotion Society (JSLPS), Ranchi
5.	Kumar Subham	Professional Assistance for Development Action (PRADAN)
6.	Rahul Bepari	Better World Foundation, Khunti (JH)
7.	Rishav Ghosh	Watershed Organization Trust, Khunti (JH)
8.	Sangita Maity	Opted for preparation of civil service examination
9.	Sucharita Ghosal	Opted for higher education

10.	Suryadyuti Banerjee	Dhan Foundation, Assam
11.	Susmita Chakraborty	Jharkhand State Livelihood Promotion Society (JSLPS), Ranchi
12.	Suprabhat Mal	Better World Foundation, Khunti (JH)

Programme:

M. A. / M. Sc. in Rural Development and Management (RDM) Batch 2019-21

S. No.	Name of the students	Name of the organization
1.	Abhimanyu Bardhan	Jharkhand State Livelihood Promotion Society (JSLPS), Ranchi
2.	Amit Ruidas	PRADAN
3.	Ankit Kumar	Orissa Rural Livelihood Mission
4.	Anuj Goswami	HAQDAR, Pune
5.	Gambhir Mahto	Sri Kisan Bhagat Education Society, Jharkhand
6.	Priya Kumari	Jharkhand State Livelihood Promotion Society (JSLPS), Ranchi
7.	Rahul Prakash Niraj	Orissa Rural Livelihood Mission
8.	Reetika Kumari	Jharkhand State Livelihood Promotion Society (JSLPS), Ranchi
9.	Rekha Kumari	Jharkhand State Livelihood Promotion Society (JSLPS), Ranchi
10.	Subhadip Sarkar	Jharkhand State Livelihood Promotion Society (JSLPS), Ranchi

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of current Ph. D. scholars	Name of Supervisor
1	Suresh Kumar Mahto (Submitted)	Dr. Avijit Kr. Dutta
2	Gowtham Reddi (Ongoing)	Dr. Avijit Kr. Dutta
3	Koustab Majumdar (Awarded)	Dr. Dipankar Chatterjee
4	Manoj Raul (Submitted)	Dr. Dipankar Chatterjee
5	Dhiraj Ghosh (Ongoing)	Dr. Dipankar Chatterjee
6	Rupesh Kumar Monu (Ongoing)	Dr. Dipankar Chatterjee
7	Anuj Kumar Mahto (Ongoing)	Dr. Arunava Sengupta

8	Sourav Pathak (Ongoing)	Dr. Vishal W Dhoté
9	Arindam Banerjee (Ongoing)	Dr. Deepnarayan Mukerjee

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of staff who attended and presented paper in conferences, seminars, etc.

S. No.	Name	Date	Title of the paper presented
1	Dr. Avijit Kr. Dutta	22 February 2022	Evaluation of French bean through organic farming during post-kharif season of eastern Indian plateau
2	Dr. Dipankar Chatterjee	3 December 2021	Qualitative Data Analysis
3	Dr. Sudarsan Biswas	24 March 2022	Local resources for preparation of liquid and solid manure and their application in the context of Natural Farming

Details of publications in journals and books

S. No.	Author	Title of Paper	Journal	ISSN/IS BN
1	Mahto, S. K. and Dutta, A. K.	Evaluation of bush-type French bean varieties through organic farming in south Chhotanagpur plateau of eastern India	<i>Agricultural Science Digest</i>	DOI:10.18805/ag.D-5270
2	Dutta, A. K. and Majee, S. K	Performance of organically grown garden pea varieties in the south Chhotanagpur plateau of eastern India	<i>Journal of Applied Horticulture</i> , 23(1): 78-83	0972-1045
3	Reddi, G. and Dutta, A. K.	Performance of Different Open-Pollinated Brinjal Varieties Grown by Organic Amendments under Eastern Indian Plateau of Jharkhand	<i>Journal of Research ANGRAU</i> , 49(4): 59-68	0970-0226

4	Dutta, A. K.; Mahto, S. K. and Kumar, K.	Performance of Organically Grown French Bean during Post-Kharif Season in South Chhota Nagpur Plateau of Eastern India	<i>Journal of Bio Innovation</i> , 11 (1): 33-43	2277-8330
5	Koustab Majumdar & Dipankar Chatterjee	The cultural dimension of environment: Ethnoscience study on Santhal community in eastern India.	International Journal of Anthropology and Ethnology (Springer)	doi: https://doi.org/10.1186/s41257-021-00057-2
6	Raul, Manoj and Dipankar Chatterjee	Ethno-Medicinal Usage of Plants in a Tribal Village of Jharkhand	<i>IJARIE</i> , 7 (4):979-983	2395-4396
7	Koustab Majumdar & Dipankar Chatterjee	Perception of subjective well-being of Lodha Tribe: A Study in Jhargram District of West Bengal, India	Contemporary Voice of Dalit	2456-0502
8	Koustab Majumdar & Dipankar Chatterjee	Ecoliteracy among the tribals of eastern India	South Asia Research (SAGE Publications)	doi: https://doi.org/10.1177/02627280211056838
9	Raul, Manoj, Koustab Majumdar and Dipankar Chatterjee	Indigenous Knowledge and Endogenous Development: Exploring Survival Strategy of a Tribal Community of Jharkhand, India	<i>International Journal of Research and Review</i> , 8 (8): 156-170	doi: https://doi.org/10.52403/ijrr.20210822
10	Kumar, Rajeev, Raj Kumar Mahto, Dipankar Chatterjee and Matin Ahmad Khan	Estimation of Vulnerabilities of HIV Transmission Among Rural Migrants in Jharkhand	ISSRF Newsletter. 28: 24-30	2395-2806

11	Chatterjee, Dipankar and Koustab Majumdar	Social Dimension of Health among Tribal Elderly	<i>Nutrition and Health among Indian Tribes: With reference to Eastern India. Serials Publication</i>	978-93-91844-00-4
12	Mukherjee, Deep Narayan & Ghoshal, Sucharita	Millets in North-eastern India: strategies for achieving nutritional security and livelihood diversification for enhancing farmers' income	Doubling farmers' income and nutritional security: role of traditional and new high-value crops in North East India. New Delhi. Akansha Publishing House	978-8183705905
13	Dutta, A.	Role of Shalishi-Sabha (Traditional Local Body) for bringing peace in villages of Sagardeep, Sundarbans, West Bengal	Contextualizing Peace: Experiences of Contemporary India and neighbouring country. MANAK Publications Pvt. Ltd: New Delhi	978-81-948855-2-8

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

	Event	Date / No. of participants	Highlights
1	Special Lecture (Motivational)	10 April, 2021 100	Justice Aniruddha Bose, Hon'ble Judge, Supreme Court of India delivered a special lecture on Regeneration of Rural India in the light of Swami Vivekananda.
2	Special Lecture	19 July, 2021 150	Mr. Narendra Prajapati, SEBI, delivered a special lecture on 'Commodity derivatives' during awareness programme under the aegis of SEBI IPEF.
3	Special Lecture	21 July, 2021 120	Sri Sourav Gupta delivered a lecture on 'Crop Insurance as a Risk Mitigation Tool for Small and Marginal Farmers in India- Way Forward'.
4	Special Lecture in collaboration with SIRD, Ranchi	28 July, 2021 65	Sri Sachindra Kumar, Usha Martin, Ranchi delivered a special lecture on 'Integrated Farming System: A boon for Marginal Farmers'
5	Special Lecture in collaboration with SIRD, Ranchi	31 July, 2021 40	Er. Mini Rani Sharma, SPM, Dept. of Panchayati Raj, Govt. of Jharkhand delivered a special lecture on 'Cyber awareness for increased threats of cyber fraud during COVID crises'
6	Special lecture on Communication Skills (Virtual)	8 Jan., 2022 80	Dr. Suparna Dutta, Associate Professor, BIT, Noida campus has delivered a special lecture highlighting the skills required for communicating in the organizational setup.
7	Celebration of National Youth Day (Blended)	12 Jan., 2022 250	RKMVERI, Ranchi celebrated National Youth Day by organizing several programmes like, <i>Prabhat Pheri</i> , Speech on Swamiji's vision to Rebuild India special lecture and cultural programme etc.
8	Special lecture on Communication Skills (Virtual)	15 Jan., 2022 110	Dr. Ritu Pareek, Assistant Professor, BIT, Jaipur campus has delivered a special lecture on the characteristics of personality and how it can be improved following simple practice.
9	Speech competition on the occasion of	22 Jan., 2022 100	Ranchi faculty centre organized a speech competition on the topic Sarada Maa: The Holy Mother to celebrate the birth anniversary of Maa

	<i>Maa Sarada</i> birthday (Blended)		Sarada. During the event 29 students of Ranchi campus compete in the events. Faculty and students of Ranchi campus also participated in the events as an audience.
10	International Women's Day	8 March, 2022 100	International Women's Day was celebrated on 8 th March 2021 at RKM Auditorium, Ranchi. The programme was inaugurated by Swami Antarananda, Assistant Secretary, RKM Ashrama, Ranchi. Dr. Smita Gupta, Gender Empowerment specialist delivered a special lecture highlight real life experiences of tribal women empowerment. The lecture followed by a quiz and debate completion on 'Women as Entrepreneur'. All faculty members and students of RKMVERI participated in this programme.
11	Career Counselling Workshop for Youth	8 March, 2022 55	OnOne-day career counseling worksop for youth was organized in collaboration with the Nehru Yuva Kendra Sangathan at Seminar hall of Ranchi Campus. The programme was inaugurated by Swami Antarananda, Assistant Secretary, RKM Ashrama, Ranchi. Lectures related career opportunities for the rural development graduates have delivered by Mr. Pratyush, Former Sales Manager, Google, Philippines and Mr. Abhinav Shah, CEO, Osam Dairy, Ranchi. The programme ended with vote of thanks delivered by Dr. Raghava Thakur, Associate Dean, RKMVERI
12	One day Workshop on 'Local Resource-Based Nutritional Food Security and Economic Stability'	8 March 2022 400	One-day workshop was organized in collaboration with Divyayan KVK. Dr Rameshwar Oraon, Honorable Finance Minister of Govt. of Jharkhand was the Chief Guest. Padmashree, Simon Oraon shared his experience of water conservation in strategies in rural areas using local technology. A series of lectures highlighting the importance of natural resources in ensuring food security has been delivered by different scientists and experts.

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

S. No.	Project/Seminar Title	Funding Agency	Principal Investigator	Amount in INR
1	Ethnographic Study of three tribes of Jharkhand (Kol, Khond, Gorait)z	Dr. Ramdayal Munda Tribal Welfare Research Institute, Govt. of Jharkhand	PI- Dr. Dipankar Chatterjee Co PI- Dr. Deep Narayan Mukherjee, Dr. S. Biswas and Sri Koustab Majumdar.	6.30 Lakh
2	Evaluation of RurBan clusters of Jharkhand and West Bengal	Ministry of Rural Development	PI- Dr. Deep Narayan Mukherjee. Co-PI- Dr. Dipankar Chatterjee and Dr. A. Sengupta	21 Lakh
3	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	PI: Dr. Avijit Kr. Dutta Co-PIs: Dr. A. Sengupta, Dr. D. Chatterjee, Dr. V. W. Dhote, Dr. D. N. Mukherjee, Dr. B. S. Purushottam, Dr. P. K. Mishra & Mr. Amitava Dutta	91.02 Lakh

NAME OF THE DEPARTMENT:
FACULTY CENTRE FOR AGRICULTURAL EDUCATION AND RESEARCH

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name	Designation
1	Dr. S. Sureshkumar	Asst. Prof. (Biotechnology)
2	Dr. S. Suresh	Asst. Prof. (Agrl. Entomology)
3	Dr. K. P. Ragupathi	Asst. Prof. (Seed Technology)
4	Dr. R. Karthika	Asst. Prof. (Veterinary Science)
5	Dr. G. Yoganathan	Asst. Prof. (Soil Science)
6	Dr. K. Vinoth Kumar	Asst. Prof. (Environmental Science)
7	Dr. C. Partheeban	Asst. Prof. (Crop Physiology)
8	Dr. N. Jaivel	Asst. Prof. (Agrl. Microbiology)
9	Mr. S. Kasinathan	Asst. Prof. (Agrl. Microbiology)
10	Dr. K. Mohanasundram	Asst. Prof. (Plant Breeding and Genetics)
11	Mr. S. Chandraprakash	Asst. Prof. (Plant pathology)
12	Mr. A. Suresh	Asst. Prof. (Agrl. Extension)
13	Dr. M. Selvam	Asst. Prof. (English)
14	Mr. B. Muthuraja	Asst. Prof. (Agrl. Economics)
15	Dr. M. Tamil Selvan	Asst. Prof. (Mathematics)
16	Dr. M. Ashok Kumar	Asst. Director (Physical Education)

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	B. Sc. (Hons) Agriculture	56
	Total	56

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION:

1. M. K. Sakthi Anand – M.Sc. (Plant Breeding and Genetics) – PAJANCOA&RI, Karaikkal, Tamil Nadu
2. J. Prasanna – MBA (Agri-Business Management) – Annamalai University
3. O.M. Durgaraman – M.Sc. (Agrl. Entomology) – Annamalai University
4. M. Abileshwar - M.Sc. (Plant Breeding and Genetics) – Annamalai University
5. G. M. Sanjai – M.Sc. (Agrl. Microbiology) – Annamalai University
6. S.L. Vikshal – M.Sc. (Agrl. Entomology) – Annamalai University
7. S. Rishikesh – MBA (Agri-Business Management) – Annamalai University
8. A. Avinash – M.Sc. (Agronomy) – Forest Research Institute – Dehradun

DETAILS OF STUDENTS PLACED:

1. Sri. M. Dinesh – Sai Saran Biotech and Nursery, Krishnagiri, Tamil Nadu
2. Sri. K. Manoj – Sai Saran Biotech and Nursery, Krishnagiri, Tamil Nadu

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of staff who attended and presented paper in conferences, seminars, etc.

S. No.	Name	Date	Title of the paper presented
1	Dr. K. Vinoth Kumar	9 October 2021	'Study the efficiency of vermicompost on growth and yield attributes of tomato (<i>Lycopersicon esculentum</i>)' at ' Changing Perspectives in Agricultural and Horticultural Research for Sustainable Development '
2	Dr. N. Jaivel	9 October 2021	'Actinobacterial formulation for the management of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> in rice' at ' Changing Perspectives in Agricultural and Horticultural Research for Sustainable Development '

3	Dr. R. Karthika	14-16 December 2021	First report on molecular detection of Neospora caninum in aborted goat foetus, in Thrissur, Kerala at 30th National congress of Veterinary Parasitology and National symposium on Fundamentals of Integrated parasite management and its relevance in one health organized by college of veterinary and animal sciences, Parbhani.
4	Dr. R. Karthika	14-16 December 2021	Molecular detection of Toxoplasma gondii in aborted foetuses of goat in Thrissur, Kerala at 30th National congress of Veterinary Parasitology and National symposium on Fundamentals of Integrated parasite management and its relevance in one health organized by college of veterinary and animal sciences, Parbhani.

Details of publications in journals and books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	Dr. N. Jaivel	Gamma-induced mutants of Bacillus and Streptomyces display enhanced antagonistic activities and suppression of the root rot and wilt diseases in pulses.	Biomolecular Concepts, vol. 13, no. 1, pp. 103-118.	ISSN: 868-503X

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

1. The faculty members attended the FDP on 'Digital Disha' conducted by Cognizant Technology on 10.6.2021, 19.6.2021 and 26.6.2021 through online mode.
2. The faculty members attended the special lecture on 'Experience Learning Cycle' delivered by Dean, FAR on 18.6.2021 through online mode.
3. As a part the of Placement Cell activity, RKMVERI-FAR conducted a Career Guidance Expert Session for the outgoing students on 18.08.2021. Dr. M. Daniel Jebaraj from Agri Amigos Pvt. Ltd, Coimbatore delivered the special lecture on 'Professional Job Opportunities for the Agricultural Graduates' through online mode.

4. A special lecture on 'Mushroom Cultivation' was given by Dr. Pankaj Kumar Mishra from Ranchi Campus to the outgoing students on 20.8.2021.
5. As part of the Placement Cell activity, RKMVERI-FAR conducted a Career Guidance Programme for the final year students on 1.09.2021. Sri. Sundara Pandian, Head, Dhanshri IAS Academy, Chennai addressed the students on 'Civil Service and other Competitive Exams Ordination cum Motivation Programme' through online mode.
6. The FDP on 'Use of ICT tools – Interactive Board' was organized on 12.11.2021. The programme was conducted by Dr. Dinesh Kumar and Dr. Somasundram from the Department of Computer Science, CAS and all the FAR faculty members attended the FDP.
7. The FDP on 'Extension Approaches in Technological Application' was organized on 02.12.2021 to the faculty members.
8. An orientation cum motivation programme on Civil service exam and other competitive exams was organized for the final year students on 18.5.2022 through online mode and the lecture was given by Dr. Soundrapandian, Founder, Dhanshri IAS Academy, Chennai.

OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

1. The National Agricultural Education Day was celebrated on 3.12.2021 at RKMVERI-FAR. Awareness about Agricultural Education was given to the school students (290 students from VI, VII, VIII, XI & XII standards) from SSHSS and the students also visited the laboratories, museum, demo units & crop cafeteria and gained knowledge on agriculture and allied activities.
2. The Soil Health Awareness Programme on the occasion of World Soil Day was conducted on 6.12.2021 at Naickenpalayam village in collaboration with ICAR-KVK, Coimbatore and 18 farmers participated and benefited. Soil health cards were issued to 5 farmers to gain knowledge on the importance of soil fertility in each nutrient resource in soil conditions.
3. The free Animal Health Camp on the occasion of National Farmers' Day was organized on 23.12.2021 at Samichettipalayam and medical assistance was provided to 755 animals.
4. Two final year students accompanied by team manager Dr. M. Ashok Kumar from FAR participated in the South Zone Inter-University Kho-Kho Championship -2022 for men organized by Bengaluru North University from 10.3.2022 to 12.3.2022.

NAME OF THE DEPARTMENT:

FACULTY OF DISABILITY MANAGEMENT AND SPECIAL EDUCATION

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name of the Teacher	Designation
1	Dr. N. Muthaiah	Professor & Dean
2	Mr. S. Parthasarathy	Assistant Professor
3	Dr. A. Sudha	Assistant Professor
4	Dr. J. B. Dheesha	Assistant Professor
5	Dr. S. Parween	Assistant Professor
6	Dr. Saumya Chandra	Assistant Professor
7	Dr. S. Logesh Kumar	Assistant Professor
8	Mrs. S. N. Hamsapriya	Assistant Professor
9	Mrs. V. Indirani	Assistant Professor
10	Dr. K. Dhanalakshmi	Assistant Professor
11	Mrs. M. Senthilvani	Assistant Professor
12	Dr. S. Sukumari	Assistant Professor

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	B.Ed. Spl. Edn. (VI)	2
2	B.Ed. Spl. Edn. (HI)	3
3	B.Ed. Spl. Edn. (ID)	11
4	Integrated B.Ed.-M.Ed. Spl. Edn. (ID)	4
5	M.Ed. Spl. Edn. (VI)	2
6	M.Ed. Spl. Edn. (ID)	3
Total		25

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	M. Ed in Special Education (HI)	2
2	M. Ed in Special Education (ID)	1
3	B. Ed in Special Education (HI)	1
4	B. Ed in Special Education (ID)	12
5	Int B. Ed M. Ed (ID)	8
Total		24

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR

DETAILS OF STUDENTS PURSUING HIGHER EDUCATION

S.No	Name of student	Programme graduated from	Name of institution joined	Name of Programme admitted to
1	J. Kavithamani	B.Ed. ID	Annamalai University, Tamil Nadu	B.Sc. Psychology
2	Biswajith Mallick	M.Ed. HI	Sri Venkateswara University, Tirupati, Andhra Pradesh	M.Sc. Zoology
3	Manoj Kumar.S	Int. B.Ed. M.Ed. ID	Sri Krishna Arts and Science College, Coimbatore, Tamil Nadu	M.A. English Literature
4	Amala Varghese	Int. B.Ed. M.Ed. ID	IGNOU	M.A. English Literature
5	Kabila .S	Int. B.Ed. M.Ed. ID	Avinashilingam University for Women, Coimbatore, Tamil Nadu	B.P.Ed Physical Education

DETAILS OF STUDENTS PLACED

S. No.	Name of student placed	Program graduated from	Name of the employer with contact details
1	Vivitha Mercy	Int B.Ed M.Ed Spl.Edn (ID)	Third Eye Centre for Autism, Coimbatore, Tamil Nadu
2	Aditya Narayan Behera	M.Ed Spl.Edn (HI)	Gurukul Seva Foundation, Odisha
3	Anupama. P. V	B.Ed Spl.Edn (ID)	Block Resource Centre, Palakkad, Kerala
4	P. Haripriya	Int B.Ed M.Ed Spl.Edn (ID)	You Can Centre, Coimbatore, Tamil Nadu
5	A. Jerisha Bennet	B.Ed Spl.Edn (HI)	STACG High -Tech Senior Secondary School, Coimbatore, Tamil Nadu
6	R. Pooja	B.Ed Spl.Edn (ID)	Nair's Vidya Mandir, NGGO Colony, Coimbatore, Tamil Nadu
7	R. Shobia	B.Ed Spl.Edn (ID)	United Public School, Nayakkenpalayam, Coimbatore, Tamil Nadu
8	J. Kavithamani	B.Ed Spl.Edn (ID)	Rose Hearing Aid Centre, Nagar Koil, Tamil Nadu

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR
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S. No.	Name of current Ph. D. scholars	Name of Supervisor
1	Amani Qasim Ahmed Al-Gashany	Dr. Saumya Chandra
2	Gangadhara Rao	Dr. Sudha A.
3	Maged Hamood Mohammed Al-refi	Dr. S. Parween
4	Baiju Thomas	Dr. S. Logeshkumar
5	Kiruthig K.	Dr. Sudha A.
6	Roopavathy S.	Dr. Saumya Chandra
7	Uma Maheswari N.	Dr. Saumya Chandra

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of staff who attended and presented paper in conferences, seminars, etc.

S. No.	Name	Date	Title of the paper presented
1	Dr. Sudha A., Assistant Professor and Gangadhara Rao, Research scholar	06 Feb 2022	'Need of Early Intervention and support services for children with developmental delays - Parents' Perspective' at International Conference organized by Madhumay Educational and Research Foundation, Ayodhya, U.P in collaboration with NIEPMD
2	Dr. J. B. Dheesha Assistant Professor	22 Feb 2022	Educating Students with Specific Learning Disabilities –Role of Teachers at a Two-Day International Webinar on “Understanding Learning disability – Prospects and Concerns” organised by FDMSE - RKMVERI
3	Mrs. S. N. Hamsapriya Assistant Professor	22 Feb 2022	Students with Hearing Impairment 'misunderstood' with Learning Disability: Bridging the gap of Learning Difficulties and Language Learning at a Two-Day International Webinar on “Understanding Learning disability – Prospects and Concerns” organised by FDMSE - RKMVERI
4	Mrs. M. Senthilvani Assistant Professor	22 Feb 2022	Sight Word Learning and Reading Skills in Children with Learning Disabilities at a Two-Day International Webinar on “Understanding Learning disability – Prospects and Concerns” organised by FDMSE - RKMVERI
5	Dr. K. Dhanalakshmi Assistant Professor	22 Feb 2022	High tech devices on academic assistance among students with learning disabilities at a Two-Day International Webinar on “Understanding Learning disability – Prospects and Concerns” organised by FDMSE - RKMVERI
6	Dr. Sukumari S. Assistant Professor	22 Feb 2022	Triggering Neurotransmitters to manage Learning Disability – Translational Research at a Two-Day International Webinar on “Understanding Learning disability – Prospects and Concerns” organised by FDMSE - RKMVERI

7	Mrs. V. Indirani Assistant Professor	22 Feb 2022	Research Based Intervention Strategies to Cope Up with Social Isolation among Children with Learning Disability at a Two-Day International Webinar on “Understanding Learning disability – Prospects and Concerns” organised by FDMSE - RKMVERI
8	Dr. S. Parween Assistant Professor and Mr. Maged Hamood, Research Scholar	23 Feb 2022	Efficacy of the ICT based Intervention for enhancing the performance in English Language among Students with Blindness having Learning Difficulty at a Two-Day International Webinar on “Understanding Learning disability – Prospects and Concerns” organised by FDMSE - RKMVERI
9	Dr. S. Logeshkumar Assistant Professor	23 Feb 2022	Teachers' Perspective on Impact of School Closure on Well-Being and Academic Achievement among Primary Level Students at a Two-Day International Webinar on “Understanding Learning disability – Prospects and Concerns” organised by FDMSE - RKMVERI
10	Dr. Saumya Chandra	22 Mar 2022	'Development of Android App Prototype to reduce vulnerability among Girls with Intellectual Disability in the COVID-19 Pandemic' at 9 th National Conference (Online) on Impact of COVID-19 on Inclusive Education organized by Centre for Disability Studies and Action, School of Social Work, TISS, Mumbai

Details of publications in journals and books

S. No.	Author	Title of Paper	Journal	ISSN/ISBN
1	Mrs. V. Indirani Asst.Professor	Assistive technology as a collaborative teaching aid for students with disabilities- A theoretical framework	Journal of Disability Management & Special Education(JODYs) (Volume 4, Issue 1) Online Journal	ISSN2581-5180

2	Dr.J.B.Dheesha Asst.Professor	Stem Education To Students With Special Needs	Disabilities and Impairments An Interdisciplinary Research Journal (Volume 35 No. 1, 2021)	ISSN 0970 356X
3	Mrs. V. Indirani Asst.Professor & Dr.PrabhaHarihar an Guest Faculty	The psychological barriers faced by parents of children with intellectual disabilities	Journal of International Journal of Research and Analytical Review	E-ISSN 2348-1269
4	Mr. Baiju Thomas Research Scholar & Dr. S. Logesh Kumar Asst.Professor	Role of Paraprofessionals in Implementing SamagraShikshaAbh iyan Scheme for students with intellectual disabilities in inclusive classroom settings in Idukki district of Kerala	International Journal of Advanced Academic Studies	E-ISSN: 2706- 8927
5	Dr. S.Parween Asst.Professor	Disability and Exclusion: Social, Education and Employment Perspectives	Bhutan Journal of Research and Development (Volume 10. No. 2, 2021) Autumn Issue	P-ISSN (2072- 9065) E-ISSN (2789- 5254)
6	Dr. Saumya Chandra, Asst.Professor	Efficacy of Digital Social Stories among Children with Autism Spectrum Disorder during the Global Pandemic COVID-19	Research Journal of Humanities and Social Sciences (Vol.12, Issue 1 March 2021)	ISSN No. 2321- 5828
7	Ms. Amani Qasim Ahmad Al- Gashany, Research Scholar &	A comparative study on efficacy of Discrete Trial Teaching and	Scholarly Research Journal for Interdisciplinary Studies	ISSN No.: 2278- 8808

	Dr. Saumya Chandra, Asst.Professor	Incidental Teaching Strategy for developing Receptive Language skills among Children with Autism Spectrum Disorder'		
8	Amani Qasim Ahmad Al-Gashany Research Scholar & Dr. Saumya Chandra, Asst.Professor	Evaluation of Therapeutic Interventions provided to Children with Autism Spectrum Disorder in Yemen	IFAD Journal of Humanities and Social Sciences (Vol. 1, No. 2)	ISSN No. 1835-3950X
9	Mr.Gangadhara Rao, Jami Research Scholar & Dr.Sudha. A, Asst.Professor	Analysis on the Therapeutic and Educational Services for Children with Developmental Delays in the State of Andhra Pradesh	Journal of Maharaja Sayajirao University of Baroda (Vol No.56 ; No.1(II) 2022)	ISSN-0025-0422
S. No.	Author	Title of Chapter	Title of the Edited Book	ISBN
1	Dr.S.Parween Asst.Professor	Assessment of Visual Disorders and Management	Comprehensive Text Book on Disability, Jaypee Brothers Medical Publishers (P) Ltd. Delhi	978-93-5465-551-7
2	Dr.S.Parween Asst.Professor	Educational Interventions for Multiple Disabilities	Comprehensive Text Book on Disability, Jaypee Brothers Medical Publishers (P) Ltd. Delhi	978-93-5465-551-7
3	Dr.S.Parween Asst.Professor (Co-author)	Concept of Normalisation, Mainstreaming,	Comprehensive Text Book on Disability, Jaypee Brothers Medical	978-93-5465-551-7

		Integration, and Inclusive Education: Implications in Educational Program	Publishers (P) Ltd. Delhi	
4	Dr.S.Parween Asst.Professor (Co-author)	Concept, Characteristics, Types and Causes of Multiple Disabilities	Comprehensive Text Book on Disability, Jaypee Brothers Medical Publishers (P) Ltd. Delhi	978-93-5465-551-7
5	Dr.J.B.Dheesha Asst.Professor	Specific Teaching Strategies for Children with Visual Impairment with Reference to Different Subjects	Comprehensive Text Book on Disability, Jaypee Brothers Medical Publishers (P) Ltd. Delhi	978-93-5465-551-7

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

- Faculty Development Programme on “Digital Disha” was organised by FDMSE in collaboration with Cognizant Outreach, Coimbatore on 22 May, 2021 through online mode.
- Department of Intellectual Disability organized a 'Sensitization Programme for Expectant Mothers' at Primary Health Centre, Koundampalayam, Coimbatore on 14 December 2021.
- Department of Visual Impairment organised a Workshop on “Assistive Technologies with Reference to Access to Information for Individuals with Visual Impairment” for the trainees undergoing B.Ed. & M.Ed. Special Education Visual Impairment on 17 December 2021.
- A two-day International webinar on ‘Understanding Learning Disability-Prospects and Concerns’ was conducted on 22 and 23 February 2022.
- Two-Day Workshop on “ICT Skill training for the Trainers of Teachers with Visual Impairment” was organized by the Department of Visual Impairment, FDMSE in collaboration with HOPE Foundation (a CSR Partner of DELL Technologies) on 17 & 18 March 2022.

- Online training programme in Basics of Indian Sign Language (for the fourth and last batch) for Government Special School Teachers of children with Hearing Impairment funded by Tamil Nadu State Commissionerate for Differently Abled, Chennai was organized from 12.07.2021 to 16.09.2021.
- The First Guest Lecture of the Academic Session was held through online mode on 20 November 2021. Dr. Vandana Giri (Occupational Therapist, Master Trainer: Art Based Therapy, Mumbai) delivered a talk on the topic 'Is it Misbehaviour or Sensory Disorder'? Understanding the Mystery of ASD through another Window.
- The Second Guest Lecture was held on 16 December 2021. Dr. Shalini Somesh (Consultant Rehab Child Psychologist, Coimbatore) delivered a talk on the topic 'Strategies to handle Anxiety, Depression & Stress among Teacher Educators: Post COVID-19'
- Department of Visual Impairment organized a Guest Lecture for the students of B. Ed. & M. Ed. VI on the topic "Screening, Identification, and Multidisciplinary Assessment of Visually Impaired Children with Associated Disabilities" on 24 December 2021 through online mode. Dr. Shruti Bobade, Post Doctorate Lecturer, Dept. of Education, University of Otago, New Zealand, was the resource person.

OTHER ACTIVITY DURING THE YEAR WORTH MENTIONING

- The 16th Convocation of the four faculties of the Ramakrishna Mission Vivekananda Educational and Research Institute, Coimbatore Campus was held in a blended mode at GKD Auditorium, Ramakrishna Mission Vidyalya on 20 October 2021.
- Board of Studies Meeting was conducted on 12.08.2021.
- The Finance Committee Meeting of RKMVERI, Coimbatore Campus was held on 16.08.2021 and 12.01.2022
- Passing Board meeting for first semester of B.Ed., M.Ed. and Integrated B.Ed.-M.Ed.-ID Programme was held on 8th May, 2021 and Passing Board Meeting of V Semester Integrated B.Ed.-M.Ed.-ID was held on 11 January 2022.
- Research Advisory Committee Meeting was held on 14 September 2021.
- The Library Committee Meeting of the four off-campus faculties (FDMSE, GAPEY, FAR & DCS) was held on 26.11.2021.
- The Academic Council Meeting (Blended mode) for the Off-Campus Faculties/Centres of Ramakrishna Mission Vivekananda Educational and Research Institute, Coimbatore was held on 24.11.2021.

- International Day of Persons with Disability was organized on 3 December 2021.
- Swavriddhi – Self-development Program was organized for students with disabilities on 18 December 2021.
- World Braille Day was observed on 4th January 2022 and the Department of Visual Impairment conducted various Braille competitions (Reading, Writing and transcribing) for the students with Visual Impairment and teacher trainees in commemoration of World Braille Day.
- Thirteenth IEC Meeting of FDMSE & GAPEY was held on 11 January 2022.
- National Youth Day celebration was jointly organized by FDMSE and GAPEY through online on 12 January 2022.
- The M. Phil. Viva-Voce Examination for the following Research Scholar was conducted through virtual mode on 20 January 2022

Name of the Candidate	Name of the Supervisor	Topic
Mr. Baiju Thomas	Dr. S. Logesh Kumar	Status of Implementation of Inclusive Education Schemes for Students with Intellectual Disabilities in the State of Kerala

- 73rd Republic Day celebration was organized on 26th January 2022.

ANY OTHER MISCELLANEOUS INFORMATION

Details regarding Extension of approval of recognition for B. Ed & M. Ed Spl. Edn Programmes:

Visiting experts from the Rehabilitation Council of India (RCI) visited FDMSE on various dates to accord Extension of approval of recognition for the following Programmes.

S. No.	Name of the Programme	Name of the Experts	Date
1	D.Ed., Spl. Edn. (V.I)	1) Dr. M.A. Zulfikar Ali, Assistant Professor, Department of Special Education, Andhra University, Visakhapatnam, Andhra Pradesh 2) Dr. A. Divyapriya, Assistant Professor, Avinashilingam University for Women, Coimbatore	9 September 2021

2	M.Ed., Spl. Edn. (H.I)	1) Dr. Raju GovindArakh, Associate Professor, AYJNISHD, Mumbai 2) Dr.T.Geetha, Dean, Faculty of Education, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	28 February 2022
3	M.Ed., Spl. Edn. (V.I)	1) Prof.R.Ranganathan, Head, Faculty of Education, Andhra University, Andhra Pradesh 2) Dr.A.Divyapriya, Assistant Professor, Dept of Special Education, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	3 March 2022
4	B.Ed., Spl. Edn. (V.I)	1) Dr.A.Divyapriya, Assistant Professor, Dept of Special Education, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore 2) Mr.Manjunatha, Lecturer, HelenKeller Govt. Teacher Training institute for the Visually Impaired, Mysore	10 March 2022

*** All the above mentioned programmes were accorded with five years of Extension of Approval of Recognition as per the communication received from RCI.**

NAME OF THE DEPARTMENT:
FACULTY OF GENERAL & ADAPTED PHYSICAL EDUCATION AND YOGA

LIST OF TEACHING FACULTY MEMBERS

S. No.	Name of the Staff	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

NEW PROGRAMMES / COURSES STARTED IN THE YEAR

S. No.	Programme	Course	Course Code
1	Ph. D.	Research and Publication Ethics	1PH4
2	BPED	Counselling in Sports	3BGB

DETAILS OF STUDENTS ADMISSION DURING THE YEAR

S. No.	Programme	No. of Students
1	Bachelor of Physical Education Health Education and Sports (BSc PHS)	61
2	Bachelor of Physical Education	50
3	Master of Physical Education	19
4	Doctor of Philosophy	01
Total		131

STUDENTS PASSED OUT DETAILS OF THE YEAR

S. No.	Programme	No. of Students
1	Bachelor of Physical Education Health Education and Sports (BSc PHS)	49
2	Bachelor of Physical Education	37
3	Master of Physical Education	19
Total		105

STUDENTS PLACEMENT AND PROGRESSION DETAILS OF THE YEAR**DETAILS OF STUDENTS PLACED:**

S. No.	Recruitment Agency	Date	No of students attended	No of students got placement
1	Sporty Beans, Tiruppur	26 Feb 2022	17	8

DETAILS RELATING TO PH. D. SCHOLARS DURING THE YEAR

S. No.	Name of current Ph. D. scholars	Name of Supervisor
1	Manigandan C.	Dr. D. Yuvaraj
2	Prem Kumar G.	Dr. D. Yuvaraj
3	Rajavarman S.	Dr. R. Giridharan
4	Yelika Phaneendra Kumar	Dr. R. Giridharan
5	Franglin S. P.	Dr. R. Giridharan

DETAILS OF ACADEMIC PUBLICATIONS DURING THE YEAR

Details of staff who attended and presented paper in conferences, seminars, etc.

S. No.	Name	Date	Title of the paper presented
1	Dr. D. Yuvaraj	16 to 18 Dec 2021	Fundamental Movement Skills of Pre-Adolescent Children in Tamil Nadu
2	Sri S. Rajavarman	4 Feb 2022	Participated in the Online National Workshop on "Inclusive Sport and Physical Activities for the Persons with Disabilities"

Details of publications in journals and books

A) Publication of Journals

S. No.	Author	Title of Paper	Journal	ISSN/ ISBN
1	Dr. A. Sathiya Moorthy & Dr. S. Sakthivel	Analysis of Anthropometric Variables between Injured and Non Injured Knee of Male Kabaddi Players	Kala Sarovar	0975 – 4520
2	Dr. M. Ramajayam	Effects of Six Weeks Mini Hurdles with Traditional Plyometric Training Sets on Jumping Ability on Post Pubescent Sports Persons	Kala Sarovar	0975 – 4520
3	Sri M. Clinton & Dr. M. Ramajayam	Impact of Varied Modalities with Skill Training on Punch and Hook Skills of Novice Boxers	Journal of Emerging Technologies and Innovative Research	2349-5162
4	Sri S. Sapthagiri & Dr. M. Ramajayam	Efficacy of Recreational Training on Agility and Balance of Club Level Prepubescent Tennis Learners	Sambodhi	2249-6661
5	Dr. M. Ramajayam	Speed Performance on Impacts of Sports Specific Training on Men Trained Athletes	Journal of Education	0972-7175
6	Dr. Dibakar Debnath	Effect of Adapted Physical Activities on Leg Explosive Power of Children with Intellectual Disabilities	Kala Sarovar	0975 – 4520
7	Sri M. Balaji & Dr. M. Ramajayam	Effect of Aerobic Training with Skill Training on Cardio Respiratory	Rabindra Bharati	0973-0087

		Endurance and Dribbling on University Men Hockey Players	Journal of Philosophy	
8	Dr. D. Yuvaraj	Influences of Soccer Drills on Speed and Leg Explosive Power among Students with Intellectual Disability	Journal of Education	0972-7175
9	Sri H. Naveen Prakash & Dr. S. Sakthivel	Analysis of Selected Motor Fitness Variables of Children with Hearing Impairment and Intellectual Disability	Madhya Bharti	0974-0066
10	Sri B. Praveen Kumar & Dr. M. Ramajayam	Impact of High Altitude Aerobic Training on Physiological Variables of Post Pubescent Men Footballers	Madhya Bharti	0974-0066
11	Dr. D. Yuvaraj	Comparative Analysis of Hand Grip Strength and Arm Length of Para Sitting Volleyball and Para Sitting Cricket Players	Journal of Education	0972-7175
12	Sri C. Sabarish & Dr. Dibakar Debnath	Analysis of Body Composition Index & Selected Anthropometric Measurements of Students with Hearing Impairment and Intellectual Disability	Journal of Education	0972-7175
13	Sri Prasanth Kumar Pandey & Dr. Dibakar Debnath	Effects of Specific Bowling Skills Training on Grip Strength and Bowling Accuracy for College Level Men Cricket Players	Journal of Education	0972-7175
14	Dr. Dibakar Debnath	Effect of Adapted Physical Activities on Leg Explosive Power of Children with Intellectual Disability	Kala Sarovar	0975-4520
15	Sri M. Clinton & Dr. M. Ramajayam	Impact of Varied Modalities with Skill Training on Weave and Slip Skills of Novice Boxers	Journal of Education	0972-7175
16	Sri S. Manohar & Dr. Dibakar Debnath	Effects of Adapted Yogic Practice on Balance and Vital Capacity among students with Hearing Impairment	Journal of Emerging Technologies and Innovative Research	2349-5162
17	Sri S. Nishanth & Dr. Dibakar Debnath	Effects of Indigenous Activities on Agility and Flexibility of Children with Intellectual Disability	Journal of Emerging Technologies and Innovative Research	2349-5162
18	Sri P. Antony Felix & Dr. R. Giridharan	Relationship of Balance and Bilateral Coordination Between Age-Matched Male and Female Individuals with Intellectual Disability	Madhya Bharti	0974-0066

19	Sri T. Pandiyan & Dr. R. Giridharan	Health Related Physical Fitness And Associated Factors Among Individuals With and Without Intellectual Disability	Madhya Bharti	0974-0066
20	Sri S. Kirubakaran & Dr. R. Giridharan	Relationship of Balance and Bilateral Coordination Between Age-Matched Male and Female Individuals with Hearing Impairment	Journal of Education	0972-7175

B) Publication of Books

S. No.	Author	Title of Book	Publication	ISSN/ISBN
1	Dr. D. Yuvaraj & Dr. Dibakar Debnath	Measurement and Evaluation in Physical Education	Mahi Publication	9789390-651511
2	Dr. M. Ramajayam	Research Process in Physical education and Sports Sciences	Nipun Prakashan	978-93-92169-42-7

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

- ❖ Students Literary Association organized “One day workshop on Gymnastics” on 29th September 2021. Mr. V. Selvaganesh, Member of Tamil Nadu Gymnastics Association cum Coach of Coimbatore District Gymnastics Association and Mr. V. Selvamurugan Coach of Coimbatore District Gymnastics Association were the resource persons. A Total of 275 students participated.
- ❖ As per the circular issued by the University Grants Commission, a guest lecture on “Awareness on Cyber Crime” was organized by Students Literary Association on 28th October 2021. Dr. M. Jaikumar, Assistant Professor & Head of the Department of Computer Applications, Sri Ramakrishna Mission Vidyalaya College of Arts & Science has acted as Resource Person. A Total of 285 students participated.
- ❖ In connection with Gender Sensitization Programme, Students Literary Association organized a Guest Lecture titled “Role of Teachers in Promoting Equal Opportunity for Men & Women in Sports and Ensuring Quality Education and Coaching” on 8th March, 2022. Dr. S. Akiladeshwari, Assistant Professor, Department of Physical Education, Avinashilingam Institute for Home Science & Higher Education for Women, Coimbatore was the resource person.

DETAILS OF PROJECTS UNDERTAKEN DURING THE YEAR

- ❖ Dr. R. Giridharan, Associate Professor & Head, received the financial assistance of Rs. 1700108/- from Department of Science & Technology (DST), SEED Division (SEED/TIDE/2019/286) for the major research project titled “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” on 4 February, 2022.
- ❖ Dr. R. Giridharan, Associate Professor & Head, received the 1st installment of the financial assistance of Rs. 8,66,608/- (Rs. 3,43,500 towards general component and Rs. 5,23,108 towards capital assets) out of Rs. 1700108/- from Department of Science & Technology (DST), SEED Division (SEED/TIDE/2019/286) for the major research project titled “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” on 29 March, 2022.

OTHER ACTIVITIES DURING THE YEAR WORTH MENTIONING

- ❖ International Day of Yoga was celebrated on 20 and 21 June 2021.
- ❖ National Constitution Day was celebrated on 26.11.2021
- ❖ Leadership Training Camp for BSc PHS II & BPed I year students was conducted on 28th & 29th December 2021 at the GAPEY premises.
- ❖ As per the circular issued by the University Grants Commission to celebrate the 75th Anniversary of Independence Day by conducting 75 crore Surya Namaskar Project, our staff and students performed thirteen cycles of Surya Namaskar on 6th January, 2022. A total of 7 staff & 261 students participated.
- ❖ In commemoration to the 75th Anniversary of Independence Day, Staff and Students participated in the “Surya Namaskar for Vitality Pledge” on the occasion of Makar Sankranti organized by Ministry of Ayush, Govt. of India, on 18th January, 2022.
- ❖ Faculties of GAPEY and DMSE celebrated the National Youth Day on 12th January, 2022
- ❖ As a part of Internship Coaching & Training Programme, four of our PG students under the guidance of Dr. R. Giridharan, Associate Professor and Head, organized the adapted sports & games and yoga for the persons with disabilities along with their parents at National Institute for Empowerment of Persons with Multiple Disabilities (NIEPMD), Chennai on 10th and 11th March, 2022. **Beneficiaries:** PwD's – 248. Parents – 186.



A REPORT OF EXTENSION ACTIVITIES OF THE UNIVERSITY

THE UNIVERSITY CONDUCTS THE FOLLOWING FOUR EXTENSION ACTIVITIES:

- (i) CERTIFICATE COURSES IN INDIAN SPIRITUAL HERITAGE
- (ii) VIVEKDISHA – AN ICT BASED NETWORK
- (iii) KRISHI VIGYAN KENDRA – A PROJECT OF ICAR
- (iv) LOK SIKSHA PARISHAD – AN INTEGRATED RURAL DEVELOPMENT PROJECT

(i) CERTIFICATE COURSES IN INDIAN SPIRITUAL HERITAGE

S. NO. NAME OF THE COURSE

- 1 BHAGAVAD GITA (in Bengali)
- 2 BHARATIYA ADHYATMIK AITIHER SAARSANKHEP
(Indian Spiritual Heritage – in Bengali)
- 3 SRI RAMAKRISHNA KATHAMRITA
(The Gospel of Sri Ramakrishna - in Bengali)
- 4 PATANJALI YOGASUTRA (in Bengali)
- 5 SRI MAA SARADA – JIVANI O BANI
(Life and Message of Holy Mother Sarada Devi - in Bengali)
- 6 TEEN RAMAYAN KI JHANKI (in Hindi)
(Glimpse of Adhyatma Ramayana and Ramayana by Valmiki & Tulasidas)
- 7 TAITTIRIYA UPANISHAD (in Bengali)
- 8 DEV VANI O BHAKTI PRASANGA
(Selections from Swami Vivekananda's Complete Works – in Bengali)
- 9 SRI RAMAKRISHNA LILAPRASANGA O SRI SRI CHANDI (in Bengali)
- 10 SPIRITUAL HERITAGE OF INDIA (in English)
- 11 VIVEKCHUDAMANI (in Bengali)
- 12 SWAMI VIVEKANANDER JIVANI
(Life of Swami Vivekananda -in Bengali)
- 13 RAMAYAN AND MAHABHARAT (in Bengali)
- 14 MUNDAKA UPANISHAD AND MANDUKYA UPANISHAD (in Bengali)
- 15 SRIMAD BHAGAVATAM (in Bengali)

(ii) VIVEKDISHA – AN ICT BASED NETWORK

Vivekdisha is an ICT-based Network of the University that provides online education primarily to school students and also conducts online programmes on Indian cultural and spiritual heritage.

The online education programme of VIVEKDISHA are run in 25 remote schools and are monitored from the University's Expert Centre at the Belur main campus.

(iii) KRISHI VIGYAN KENDRA (KVK)

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) to assess the location specificity of agricultural technologies under various farming systems,

B) Frontline demonstration (FLD) to establish production potential of technologies on the farmers' fields,

C) Capacity development of farmers and extension personnel to update their knowledge and skills on modern agricultural technologies,

D) To work as Knowledge and Resource Centre of agricultural technologies for supporting initiatives of public, private and voluntary sector in improving the agricultural economy of the district,

E) Provide farm advisories using Information and Communication Technologies (ICTs) and other media means on varied subjects of interest to farmers.

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.

Our University has been allotted 3 KVKs by the ICAR:

(i) 'Sasya Shyamala' KVK located at Arapanch (under the Ramakrishna Mission Ashrama, Narendrapur Centre, 24-Parganas District) — functioning for the past 6 years

(ii) 'Dhaanyaganga' KVK under Ramakrishna Mission Ashrama, Sargachhi, Murshidabad District—functioning for the past 4 years

(iii) 'Amarkan' KVK under Ramakrishna Mission Ashrama, Ramharipur, Bankura (in the pipeline)

REPORT OF SASYA SHYAMALA KRISHI VIGYAN KENDRA

Sasya Shyamala Krishi Vigyan Kendra (SSKVK), under the aegis of Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI), is the 2nd KVK in this district (South 24 Parganas). The SSKVK is actively engaged in dissemination of technologies to the farmers, farm women and rural youths and development of farm sector in South 24 Parganas district. The KVK has its jurisdiction in total 14 blocks (Sonarpur, Baruipur, Bishnupur I, Bishnupur II, Bhangar I, Bhangar II, Budgebudge I, Budgebudge II, Canning I, Canning II, Falta, Thakurpukur-Maheshtala, Basanti and Gosaba), out of total 29 blocks in the district. The area under its jurisdiction comes under two different agro-climatic zones viz. new alluvial zone (NAZ) and coastal saline zone (CSZ). The staff strength of the KVK is 16 as per norms of ICAR, and the staffs in position remain the same as in the last year.

ON-FARM TRIALS (OFTs)

Total 14 numbers of OFTs i.e. participatory research works based on farmers' problems and conducted in farmers' fields have been conducted during the last financial year. The detailed recommendations from the OFTs are as follows:

S. No.	Technology	Recommendation
1.	Effect of foliar application of zinc and boron on productivity and profitability of hybrid <i>rabi</i> maize	Foliar spray of 0.5% Zn and 0.2% B at pre-tasseling stage along with state recommendation of NPK registered highest yield and profit of maize cultivation
2.	Effect of potassium and zinc application on fibre yield and profitability of jute	Soil application of 6 kg Zn/ha along with 40 kg K ₂ O/ha and recommended dose of N and P recorded the highest fibre yield and quality, and also fetched higher economic return.
3.	Response of Bio-priming in Tomato	Seed priming with <i>T. viride</i> in media @ 6 g per kg seed for 4 hrs suppress various diseases caused by fungal pathogens and their plant growth stimulating effects improved the germination and enhanced seedling growth in tomato.
4.	Integration of soil and foliar nutrition in influencing the yield attributes of banana	Awaited for final recommendation.
5.	Impact of Zero budget natural farming on the yield attributing	ZBNF technology (Conservation tillage- Beejamrit-Multching-Whaaphasa-Jeevamrit), Dasaparni @ 50 ml/ lt is

	character and pest incidence in green gram	useful low cost low hazardous technology to boost green gram productivity
6.	Impact of Trichocompost in vegetable based cropping system	Tricho-compost @ 1 q/Kattha Urea- 3 kg, SSP-2 Kg, MOP-1 kg, Bavistin @ 2.5 g per lt spray Once gave satisfactory control against soil borne pathogen
7.	Varietal assessment through high yielding varieties of Lentil during Rabi season	IPL-220 showed significantly higher grain yield (9.41 q/ha), no. of pods per plant (131) and 100 seed weight (2.95g). It also recorded high Net return (Rs. 31,485.71) with high B:C ratio(2.21) with respect to other treatments.
8.	Varietal assessment through high yielding varieties of greengram during summer season	IPM-205-7 showed significantly highest grain yield (11.70 q/ha), number of branches per plant (4.64), number. of pods per plant (21.20), number of seeds per plant (10.08) and 100 seed weight (4.46g).
9.	Varietal assessment through high yielding varieties of sesame during summer season	CUMS-17 showed significantly highest grain yield (10.75 q/ha), number of branches per plant (3.60), number. of capsules per plant (83.40), and 100 seed weight (3.94g).
10.	Effect of lime pelleting in acidic soil to increase the nutrient availability and yield of green gram	Lime pelleting showed significantly highest grain yield (8.11 q/ha), number of branches per plant (4.11), number of seeds per plant (11.11).
11.	Effect of supplementing zinc oxide nanoparticle on overall health and milk production of crossbred dairy cows	Dairy management with daily supplementation of nano-zinc particle @ 1% of ration should be given for enhanced milk production and optimum body condition.
12.	Evaluation of Pinnapple(<i>Ananascomosus</i>) fruit peel as natural dewormer in goats	Supplementation of pineapple fruit peel @ 50 gm per animal per month is recommended for effective deworming in goat
13.	Hatchery production of Golden Mbuna (<i>Melanochromis auratus</i>) ornamental fish in Bioflocs Technology (BFT)	Biofloc, Periphyton and Biophyton based aquaculture system are modern concepts and eco-friendly approaches in closed water aquaculture. Bottom clean or fish toilet technology among all the treatment recorded highest production over the farmers' practices and it was also statistically significant. In present study, Golden Mbuna fishes with feeding (commercial feed) @ 8-10% of total body weight + Biofloc + Periphyton (Biophyton rearing practices with stocking

		density 1 no. / It can significantly (p<0.05) increase production attributes and production of Golden Mbuna over farmers' practice. However, use of both Periphyton farming and Biofloc also showed good result. Net return was observed the highest in case of use of Bio-phyton with lowest net return in case of farmers' practice.
14.	Efficacy of homestead probiotic in aquaculture	Fishes with feed, homestead probiotic (Sugar 3kg+Banana 15 pcs+ Pinnapple 1pc+ curd 500 ml+ Yeast 100 g, Egg yolk 10 nos, Vitamins- 100 g)and fertilizer gives better result in terms of yeild and disease incidences.

FRONTLINE DEMONSTRATIONS (FLDs)

FLDs are carried on technologies which are either already developed by ICAR Research Institutes and other state agricultural universities (SAUs) or in the pipeline. Total 44 numbers of FLDs on different technologies related to agriculture, horticulture, plant protection, fisheries and animal husbandry were carried out during 2021-22.

S. No.	Discipline	Variety/Technology	Area (ha)/ No. of demonstration	Total no. of beneficiaries
1.	Crop production	Cultivation of Salt tolerant paddy variety	5 ha	16
2.		Drum Seeder technology for rice	2 ha	7
3.		Maize-mungbean intercropping	2 ha	7
4.		Cultivation of baby corn	2 ha	11
5.		Rice-fallow intensification with lathyrus	2 ha	27
6.	Plant breeding and seed science	Performance of variety Dibakar of sunflower	2 ha	7
7.		Performance of CR Dhan 310 paddy variety	4 ha	17
8.	Soil health management	Leaf colour chart (LCC) technology in rice	1 ha	4
9.		Green manuring technology in rice	1 ha	5
10.	Plant protection	Bio priming with beejamrit, jeevamrit application	1 ha	10
11.		Fruit Borer Management in tomato	1 ha	10

12.		Leaf curl management in bitter gourd	1 ha	10
13.	Horticulture	Improved package of practices with variety Centauro in broccoli	0.266 ha	8
14.		Improved package of practices with variety Thai Asha (Green) in capsicum	0.033 ha	4
15.		Improved package of practices with variety Early Nantes in carrot	0.066 ha	4
16.		Improved package of practices with variety Kalash in Beet	0.01 ha	6
17.		Improved package of practices with variety Falguni in French bean	0.798 ha	10
18.		Improved package of practices with variety Surabhi in coriander	0.266 ha	10
19.		Improved package of practices with variety Meghna in bitter gourd	0.066 ha	7
20.		Improved package of practices with variety Bidhan Kusum in elephant footyam	0.798 ha	6
21.		Improved package of practices with variety Suranjana in turmeric	0.133 ha	4
22.		Improved package of practices with variety NS 506 in tomato	0.133 ha	4
23.		Improved package of practices with variety Sheetal in cauliflower	0.133 ha	6
24.		Improved package of practices with variety Mohar in cabbage	0.133 ha	7
25.		Improved package of practices with variety Big Boss in knolkhol	0.266 ha	8
26.		Livestock	Cultivation of fodder crops (Hybrid Napier, Fodder Maize Var. African Tall)	21 units
27.	Rearing of <i>Khaki</i> Campbell Ducks		31 units	31

28.		Scientific rearing of White Pekin ducks	16 units	16
29.		Scientific rearing of <i>Kaveri</i> chicks	25 units	25
30.		Scientific rearing of turkey birds	15 units	15
31.		Scientific rearing of <i>Kadaknath</i> Poultry	6 units	6
32.		Scientific rearing of RIR poultry	50 units	50
33.	Fisheries	<i>Magur</i> fish Breeding & culture	7 units	7
34.		Culture of Improved Carp varieties – <i>Jayanti Rohu</i>	7 units	7
35.		Fish culture with periphyton technology	7 units	7
36.		Freshwater Fishery diversification with <i>Chital</i> , Clown knife fish farming in culture pond	7 units	7
37.		Brackish water Species Diversification like Culture of Seabass	7 units	7
38.		Culture techniques for Crab farmers of <i>Sunderbans</i>	7 units	7
39.		Low cost ornamental fish feed for better colouration and growth	7 units	7
40.	Other enterprise	Enterprise development through Oyster mushroom cultivation	18 units	18
		Homestead Trichoderma production	12 units	12
Total			27.101 ha/229 units	458

Cluster Front Line Demonstrations (CFLDs)

CFLDs were conducted in total 7 blocks (Baruipur, Bishnupur I, Basanti, Canning I, Canning II, Budgebudge I and Budgebudge II) involving 445 numbers of demonstrations with 445 numbers of farmers in 2021-22. The details have been furnished below:

Crop	Variety	Area (ha)	Number of beneficiaries
<i>Pulses</i>			
Green Gram	Virat	20	60

Oilseeds			
Sesame	Savitri	10	31
Sunflower	Dibakar	50	289
Total		80	380

TRAINING

Training programmes (both on- and off-campus) are conducted for practicing farmers and rural youths of the villages, and extension functionaries working in different Line Departments of the district, members of self-help groups (SHGs), Farmers' Clubs, NGO representatives and other stakeholders of agriculture, horticulture, livestock and fisheries. The training programmes conducted during 2021-22 were:

A) Farmers & Farm Women (On and off campus)

Thematic Area	No. of Courses	Participants		
		M	F	T
I. Crop Production				
Weed Management	2	32	28	60
Resource Conservation Technologies	1	16	15	31
Nursery management	2	35	37	72
Integrated Crop Management	6	115	79	194
Integrated nutrient Management	1	18	12	30
Others (Farm mechanization)	1	15	5	20
II. Horticulture				
a) Vegetable Crops				
Production of low volume and high value crops	2	51	15	66
Off season vegetables	2	45	5	50
Cultivation of winter vegetables	1	24	5	29
Cultivation of summer vegetables	1	31	8	39
Multi-tier Horticulture	2	18	44	62
b) Fruits				
Cultivation of Fruit	1	36	0	36
Dragon fruit cultivation	1	26	0	26

Thematic Area	No. of Courses	Participants		
		M	F	T
Value Addition of Horticultural crops	1	25	14	39
c) Ornamental Plants				
Nursery Management	1	28	4	32
Cultivation of seasonal flowers	2	47	4	51
d) Plantation crops				
Scientific cultivation of Betel vine	1	34	0	34
e) Tuber crops				
Production and Management technology of turmeric and Elephant Foot Yam	2	51	4	55
III. Soil Health and Fertility Management				
Soil fertility management	2	34	26	60
Management of Problematic soils	2	52	15	67
Nutrient Use Efficiency	2	35	17	52
Soil & water testing	2	49	23	72
Soil conservation	1	18	10	28
IV. Livestock Production and Management				
Dairy Management	1	31		35
Poultry Management	4			141
Piggery Management				
Rabbit Management	3	53		123
Others	1	50		146
V. Plant Protection				
Integrated Pest Management	9	157	79	236
Integrated Disease Management	3	96	31	127
Bio0control of pests and diseases	1	33	3	36
Production of bio control agents and bio pesticides	2	44	24	68
Others	3	30	32	62
VI. Fisheries				

Thematic Area	No. of Courses	Participants		
		M	F	T
Training on fish diseases and its prevention with Good Management Practices	2	34	31	65
Training on Scampi culture and Management in extensive pond culture system of South 24 Pdns district	2	60	0	60
Scientific fish culture practices in Bheries/ coastal saline areas of South 24 Pgs	1	28	12	40
Training on Air breathing fish culture with special reference to magur, singhi and koi	2	60	30	90
Composite fish culture & fish disease (Scientific Pre-stocking and post-stocking management practices in composite fish culture with special reference to nutrient management, disease management and space utilization)	1	30	2	32
Rearing pond management practices for high density Indian Major Carp culture	1	30	5	35
Nursery Pond management with special reference to nutrition and disease management	1	25	5	30
VII. Production of Input at site				
Seed Production	4	92	31	123

B) RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	Participants		
		M	F	T
Nursery Management of coconut	1	37	0	37
Nutritional gardening	1	0	32	32

Thematic Area	No. of Courses	Participants		
		M	F	T
Seed production	4	92	43	135
Vermiculture	3	54	41	95
Mushroom Production	2	100	16	116
Dairying	1	8	7	15
Poultry production	3	69	37	106
Air breathing fish breeding with special reference to <i>magur</i> , <i>singhi</i> and <i>koi</i>	1	30	5	35
Scientific fish culture practices in <i>Bheries</i> / coastal saline areas of South 24 Parganas district	1	55	0	55
Ornamental fisheries (Ornamental fish farming in backyard hatchery system and Ornamental fish farming in backyard hatchery system)	2	38	17	55
Shrimp farming (Shrimp culture in coastal saline areas of South 24 Parganas district)	1	25	5	30
Azolla production	3	15	72	87

C) Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	Grand Total		
		M	F	T
Integrated Pest Management	1	79	13	92
Seed Production	1	19	11	30
Training of Fishery Extension Officers / Members of Farmers' Clubs of the district on Enhancement of fish production through improved aquaculture technologies	2	47	13	60
Soil Sample collection	1	20	38	58

D) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thru st Area	Training title	Duration (days)	No. of Participants			Self-employed after training			No. of persons employed elsewhere
				M	F	Total	Type of units	No. of units	No. of persons employed	
Mushroom Cultivation	Employment Generation	Scientific Mushroom cultivation	3	73	12	85	Mushroom cultivation	62	62	13
Fisheries	Aquaculture	Sponsored Training (on Fisheries under SCSP by NFDB, Hyderabad)	3 days	150	100	250	200	400	250	45

E) Sponsored Training Programmes

S. No.	Title	Thematic area	Duration (days)	No. of courses	No. of participants	Sponsoring Agency
1	Pulse and oilseed production	Crop production	4	1	30	NABARD
2	SRI and Drum Seeder Technology for increasing Rice Productivity	Crop production	4	1	30	NABARD
3	Macro and micronutrient management for better crops	Crop production	2	1	44	Coroman del Intl. Ltd.
4	Scientific management of Coconut orchard	Horticulture	1	1	37	Coconut Dev. Board, Kolkata

5	Integrated Fish farming	Fisheries & Aquaculture	3	2	100	NFDB
6	Air-breathing fish breeding	Aquaculture & Breeding	3	2	100	NFDB
7	Crab Farming and fattening	Shell fish Aquaculture	3	1	50	NFDB
8	Commercial Dairy Farming	Livestock production and management	6	1	15	SAMETI, WB
9	Quality Seed Production of pulses through village seed production programme	Seed production	4	1	30	NABARD
10	Maize seed production technique	Seed production	4	1	30	NABARD
11	Dairy farming for small holders	Livestock production and management	3	1	30	ATARI
12	Commercial Poultry Farming	Livestock production and management	3	1	30	ATARI
13	Integrated Dairy Farming	Livestock production and management	3	1	30	ATARI
14	Scientific Goat Farming	Livestock production and management	3	1	30	ATARI
15	Scientific Backyard Poultry Farming	Livestock production and management	3	1	30	ATARI
16	Training on Ornamental fish farming in backyard hatchery system	Aquaculture	3	2	100	NFDB
17	Training on fish diseases and its prevention with Good Management Practics	Aquaculture	3	2	100	NFDB
18	Training on mud crab fattening for the rural youths of Sundarban Aila affected areas	Aquaculture	3	1	50	NFDB
19	Training on Air breathing fish culture with special reference to magur, singhi and koi	Aquaculture	1	1	30	ICAR-NBSS&LUP

EXTENSION ACTIVITIES OF SASYA SHYAMALA KVK

A) Extension activities like field day, kisan mela, film show, method demonstration, workshop, group meeting, diagnostic visit, exposure visit, soil test campaign, self-help group conveners meetings, mahila mandal conveners meetings, animal vaccination camp etc. were conducted in which total 2121 numbers (1231 men and 890 women) of farmers participated.

B) Special programmes like World Honeybee day celebration (20.05.2021), World Milk Day (01.06.2021), Webinar on 'Ecosystem Management for Sustainable Fisheries (07.06.2021), National Fish Farmers Day (10.07.2021), 'World Soil Day (05.12.2021), National Girl Child Day (24.01.2022), Inauguration of DAESI batches of NTI-SSKVK (28.01.2022), Commemoration of 75 years of Independence 'Azadi Ka Amrit Mahotsav - Prospect of Increasing Area and Productivity of Pulse crops in South 24 Parganas district (04.02.2022), Celebration of World Pulse Day (10.02.2022), National Poultry day (19.03.2022), Farmers Fair Cum Exhibition at ICAR-NINFET (02.03.22), Celebration of International Women Day (08.03.2022), Live telecast of Launching Program on DD Kisan, Celebration of World Fisheries Day.

C) The alumni of IRDM Faculty Centre of RKMVERI and SASYA SHYAMALA KVK, RKMVERI have undertaken relief work in the Severe Cyclone "YAAS" affected areas of Sunderban. It was distributed raw mixed vegetables and Tilapia fish to total 100 affected families and face mask and hand sanitizer to total 500 affected families Kumirmari of Gosaba Block, South 24 Parganas, Sunderbans on 19 June, 2021.

C) Programme under Scheduled Caste Sub Plan (SCSP) in collaboration with ICAR-IVRI and ICAR-CIFA, ICAR-NBSS&LUP, ICAR-CIFE were conducted in different villages of South 24 Parganas.

SEED PRODUCTION

A) In Instructional Farm of KVK and through village seed production programme, during 2021-22, KVK has produced total 11255 quintal seeds of rice, lathyrus, lentil, greengram, mustard and sesame, 4,97,000 nos. of planting materials, 10.6 tonnes of vermi-compost, bio-fertilizer and bio-pesticide, 42402 nos. of birds, and 4.6 lakh fish fingerlings.

B) Another big programme funded by ICAR i.e. Seed Hub programme for pulse seed production was undertaken by the KVK in which 120 quintal of lentil and 540 quintal of green gram seeds were produced.

REPORT OF DHAANYAGANGA KRISHI VIGYAN KENDRA

1. FRONTLINE DEMONSTRATION AND ON FARM TRIALS

FRONTLINE DEMONSTRATION					
Division	Achievement	Area	No of Farmers		
			M	F	Total
All Division	36	175.47 ha/ 750 unit	1713	223	1936
BREAKUP OF DIVISIONS					
Pulse	04	23	109	30	139
Oilseeds	03	26	98	42	140
Other Crops	17	108.47	644	263	907
Others Enterprise	12	750 Unit	547	203	750
ON FARM TRIALS					
Achievement	No of Location	No of Farmers			
		M	F	Total	
12	96 (24 Villages)	588	0	588	

2. TRAINING DETAILS:

Category	No of Courses	No of Participants		
		M	F	Total
Farmers & Farm Women	136	2413	2020	4433
Rural Youth	16	374	168	542
Extension Functions	37	723	613	1336

CATEGORY WISE TRAINING DETAILS :

Farmers & Farm Women

Division	Groups	No of Courses	No of Participants		
			M	F	Total
Agronomy	Crop Production	49	843	708	1551

Horticulture	Vegetable Crops	10	185	160	345
	Fruits	2	37	35	72
	Ornamental Plants	2	20	24	44
	Plantation Crops	2	37	35	72
	Spices	12	213	170	383
	Medicinal & Aromatic Plants	2	42	29	71
Soil Health & Fertility Management	Soil Health & Fertility Management	13	224	199	423
Animal Husbandry	Livestock Production & Management	23	409	339	748
Home Science /Women Empowerment	Home Science	3	55	53	108
Rural Youth					
Division	Groups	No of Courses	No of Participants		
			M	F	Total
All	Mushroom Production	3	53	48	101
	Bee Keeping	6	113	37	150
	Tailoring & Stitching	2	61	19	80
	Rural Crafts	1	11	11	22
	Sheep & Goat Rearing	1	19	20	39
	Composite Fish Culture	3	117	33	150
Extension Personnel					
Division	Groups	No of Courses	No of Participants		
			M	F	Total
All	Integrated Pest Management	37	723	613	1336

SPONSORED TRAINING								
S. No.	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring Agency
					PF/RY/EF			
1	Training on jute handicrafts	Skill Development Training	December	10 Days	PF	2	80	ICAR-NINFET (84000 /-)
2	“ PROJECT UNNATI”-Training on Tailoring, Goat Rearing and Poultry rearing	Skill Development Training	18/12/2021 to 30/12/2021	10 Days	PF	3	120	DMMU, Govt. of WB
3	Training on Mushroom Cultivation and Vermicomposting	Entrepreneurship Development Programme		7 Days	RY	2	80	ICAR-MANAGE
4	Capacity Building for Fisherman	Fresh water aqua culture		1	RY	1	50	NFDB
5	Capacity Building for Fisherman	Fresh water aqua culture		3 days (Online)	RY	3	150	NFDB
6	Fish Feed Preparation and Feeding Management	Fresh water aqua culture		2 Days	PF	1	30	CADC
7	Nursery Pond Management	Fresh water aqua culture		2 Days	PF	1	30	CADC
8.	Carp Fry and Fingerling production	Fresh water aqua culture		4 Days	PF	1	50	Directorate of Fisheries
9.	Scientific Bee Keeping Training	Skill Development Training		7 Days	RY	5	125	ICAR-ATARI
10.	Scientific Bee Keeping Training	Skill Development Training		7 Days (Online)	RY	1	25	ICAR-ATARI

EXTENSION ACTIVITIES							
Nature of Extension Activity	No. of activities	Farmers			Extension Officials		
		Male	Female	Total	Male	Female	Total
Field Day	15	272	232	504	15	2	17
Film Show	9	150	110	260	5	5	10
Method Demonstrations	2	26	0	26	2	2	4
Workshop	1	352	108	460	18	22	40
Group meetings	12	82	63	145	0	0	0
Lectures delivered as resource persons	38	828	749	1577	57	12	69
Advisory Services (Thematic area wise)	35	3502	453	3955	31	6	37
Scientific visit to farmers field	85	240	129	369	8	0	8
Farmers visit to KVK	87	637	108	745	0	0	0
Thematic area wise grouped							
Diagnostic visits	7	127	86	213	6	1	7
Exposure visits	12	242	109	351	12	0	12
Animal Health Camp	12	462	436	898	12	6	18
Soil test campaigns	4	152	0	152	0	0	0
Celebration of important days	11	592	44	636	9	3	12
Swatchta Hi Sewa	15	321	124	445	15	0	15
MahilaKisan Divas	1	0	31	31	0	0	0
Others	29	507	432	939	25	8	33

3. PRODUCTION DETAILS:

VILLAGE SEED				
Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers provided with seeds
Mustard	PM-28 (C)	53.00	583000	21
	PM-30 (C)	55.00	605000	72

Lentil	Pusa Ageti (C)	12.41	148920	61
	PL-8 (C)	4.02	48240	13
Paddy	BB-11	88.44	300696	87
	GB-1(C)	27.20	92480	39
	GB-3 (C)	9.51	32334	38
	MTU-1153 (C)	16.45	55930	45
	MTU-7029 (C)	68.50	232900	39
Mung	Sikha (F)	6.15	73800	32
KVK FARM				
Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers provided with seeds
Mustard	PM-30 (F)	0.80	8800	7
	Binoy [B-9] (F)	3.10	34100	22
	Agrani [B-54] (F)	2.50	27500	18
	Pitambari (F)	0.65	7150	3
	NRCHB-101 (F)	0.58	6380	4
Lentil	Pusa Ageti (F)	1.35	16200	5
	IPL-220 (F)	1.70	20400	10
	PL-8 (F)	1.48	17760	7
	WBL-77 (F)	1.17	14040	8
Gram	RVG-202 (F)	1.50	18000	11
Lathyrus	Bidhan Khesari-1(F)	0.24	2400	1
Potato	K- Chandramukhi	1.25	3750	1
	K- Sinduri (C)	6.00	18000	10
	K- Himalini (C)	7.25	21750	17
Sesame	Sabitri (F)	0.85	8925	12
	Sabitri (C)	1.25	13125	13

Paddy	GB-1 (F)	18.00	61200	0
	GB-3 (F)	6.15	20910	0
	Anjali (F)	5.35	18190	0
	MTU-7029 (F)	9.90	33660	0
	MTU-1140 (F)	17.40	59160	0
	MTU-1210 (F)	18.25	62050	0

PLANTING MATERIALS				
Crop	Variety	No. of planting materials	Value (Rs.)	Number of farmers to whom planting material provided
Cauliflower	Dawn 175	2000	10000	4
Colour Cauliflower	Caritena & Valentina	8000	16000	9
Cabbage	Summer King	2000	10000	12
Red Cabbage	Red Jewel	400	2000	3
Brocoli	Green Magic	7400	37000	12
Tomato	TO-3038	500	2000	11
Brinjal	OMAXE	640	2560	9
Chilli	Bullet	810	1620	13
Onion (Kharif)	Agri Found Dark Red	0.50 q Seed	75000	21
Onion (Kharif)	Sukhsagar	0.03 q seed	4500	1
Mango	Himsagar	400	16000	88
Guava	L-49	250	7500	41
Lime	Seedless	250	7500	30
Papaya	Croog Honey Dew	35050	175250	318
Banana	G-9	2600	26000	64

Marigold	Inca	1200	6000	63
Chrysanthemum	Chandramali	2100	10500	44
Medicinal and Aromatic	Stevia	5000	10000	187
Arecanut	Sumangol	150	4500	44
Neem	Local	1300	3900	57
Lemon grass	Local	600	1800	38
Turmeric	Saguna	4.00 q	28000	59
Ginger	Nadia	1.00 q	7000	30
Elephant yams	Kavour	14.00 q	42000	31
Capsicum	Clause	500	5000	20
Lettuce	Head	230	4600	7
Pak Choi	---	140	2800	7

BIO-PRODUCTS

Name of product	Quantity (Kg)	Value (Rs.)	No. of Farmers benefitted
Bio-fertilizers (Vermicompost)	8400	84000	157
Bio-fungicide (Trichoderma Viride)	220	44000	85
Trichogrammachilonis	65 cards	13000	20
Mushroom spwan	270	18900	105

LIVESTOCK MATERIAL

Particulars of Live stock	Name of the breed	Number	No. of Farmers benefitted
Small ruminants			
Fish fingerlings (Million)	IMC	05	30
Spawn (Million)	IMC	20	40

(iv) LOKASIKSHA PARISHAD

Ramakrishna Mission Lokasiksha Parishad is the development wing of the University located at its off-campus center at Ramakrishna 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.

The Lokasiksha Parishad has 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 South 24-Parganas, North 24-Parganas, Purba Medinipur, Paschim Medinipur, Howrah, Hooghly, Nadia, 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 262 numbers of rural youth organisations functioning at grass root level of which 07 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 clusters organisations function at middle level for bridging and coordinating with the Parishad in preparing the policy, guidelines, administration of 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.

The activities organized by the Parishad were as under:

(A) EDUCATION

a) State Open School (Rabindra Mukta Vidyalaya):

The academic session of December' 2021, 128 candidates were admitted in Madhyamik Course. Out of 128 candidates 26 SC, 1 ST and 4 OBC and remaining 97 were general category.

41 candidates appeared in Madhyamik Examination in June' 2021 out of them 28 candidates achieved 1st Division, 10 candidates 2nd Division and rest 3 candidates in third Division. 65 candidates appeared in Madhyamik Examination in December' 2021. 46 candidates achieved 1st division, 18 candidates 2nd Division and one candidate could not be able to pass.

In the academic session of 2021, 160 candidates were admitted in Higher Secondary Course out of them 31 SC, 2 ST and 4 OBC. 266 Candidates appeared in HS Examination 2021 (including 84 new candidates out of 160).

144 candidates (old version) achieved first division, 37 candidates second division and resr one candidate in third division. All of new version candidates (Class XI) were promoted.

b) Library Services:

A Library-cum-Reading room is being maintained by the Lokasiksha Parishad in its own premises. The library has a total collection of 26,372 books and 5 periodicals. The library caters to the needs of students of academic courses, trainees of vocational courses, teaching faculty and other staffs.

c) Publication:

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

Monthly Journals (in Bengali)	-	1
English Publications	-	23
Bengali publications	-	107
Bengali Publications (Reprinting)	-	10 (during this year)
Audio Publication	-	11

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 had celebrated its Diamond Jubilee in the year 2016. 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 & 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. Covid-19 the programme was hampered a lot. During the year the Parishad organized 2 lecture at centre covering 1800 participants.

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) Value Education Programme:

Sustained graded value education programme (SGVEP) was conducted in 72 clubs during the year 2021-22. 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.

(B) 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:

A flagship drive for Child Development taken up by the Lokasiksha Parishad is Chalaman Bahini. It aims at developing personality and leadership of children through introduction of Bratachari, games, yoga and cultural competition, chorus, folk dance, physical exercise, etc. For the purpose, the activities organized were children camp, leadership development

training, value education, re-citation and essay writing, master trainer training, youth leadership training, annual competition, sports and children rally at cluster level.

The number of the children who participated in different activities was 5,268 and 15,310 community people including 3,030 volunteers also participated in the programme during the year 2021-22.

b) Child Development Programme:

Ramakrishna Mission Lokasiksha Parishad is the development wing of Ramakrishna Ashrama, Narendrapur, West Bengal. It is engaged in the upliftment and enlightenment of rural disadvantaged backward communities since decades 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.

i) 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 3.5 years to 5 years. The objective of the programme is to ensure balanced growth of the children by developing their school going habit, right mind-set towards learning, character building and social well-being during the formative stage.

Activities conducted:

- Presently 110 ECE centers were run in 8 districts of West Bengal covering 3,736 children.
- 52 monthly orientation meetings were held in 12 clusters for Organizers and Asst. organizers on methodology of teaching Total participants – 885.
- 340 mother's meetings were held in 12 clusters on methodology of teaching. Total participants – 7061.
- Growth monitoring conducted on 3736 children.
- Puja dresses given to 1,807 children.

ii) 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. 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 Sponsorship support is given in Three Phases:

- 1st Phase : Pre-primary to Madhyamik
2nd Phase : XI and XII standard
3rd Phase : Degree / Technical Education

Brief View of VCDF

- Total no. of sponsors : 1148
- Total no. of sponsors in 2021-22 : 50
- Total no. of sponsored children in 2021-22: 918
- No. of Boys: 461 and No. of Girls : 457
- Total no. of newly sponsored children in 2021-22 : 72

Activities conducted:

The following educational support extended

- Pre-primary level - Total no. of children – 12
- Junior basic (Primary level) - Total no. of children – 199
- Coaching (Class I to X) - Total no. of children – 664
- Educational assistance to Higher Secondary level - Total no. of children – 29
- Educational assistance to Degree level - Total no. of children – 14
- Orientation meetings of Organizers or Asstt. Total number of participants – 96
- 56 mother's meetings were held on methodology of teaching covering 1153 mothers.
- 3,963 books were distributed among 863.
- Puja dresses distributed among 856 sponsored children.

iii. CSR Initiative:

As per MOU signed on behalf of E-junction and Ramakrishna Mission Lokasiksha Parishad, Narendrapur, 12 VCDP project centres were run out of which 4 centres in Sonarpur block of south 24pgs and 8 centres in Hingalganj block of North 24 Parganas.

Activities conducted:

- 12 centre were run in 2 districts of West Bengal covering 320 children.
- Books distributed- 560nos. Beneficiaries 320 nos. of children
- Tube lights / Fans distributed- 48nos, No of Centres covered-12, No of beneficiaries -320.

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):

The Burtala ICDS Project is a NGO run ICDS Project and run by Ramakrishna Mission Lokasiksha Parishad, Ramakrishna Mission Ashrama, Narendrapur. The Burtala ICDS Project was sanctioned by the Government of India in 1986. Now it was operational with 125 Anganwadi Centres covering Seventeen (17) Wards of Kolkata Municipal area. There are six different services related to nutrition, health, pre-school education provided to the children (0-6 years), mothers (up to 45 years) and Adolescent Girl's under SABLA programme (11-18 years) from the AWCs of this Project.

As all the Anganwadi centre was closed down due to COVID-19 Pandemic situation since 21March, 2020 to 17Feb, 2022. So, supplementary nutrition was provided by THR (Take Home Ration) among all the ICDS beneficiaries as per following:

- a) For March & April, 2021 – from 05.08.2021 to 09.08.2021.
- b) For May, 2021 – from 13.09.2021 to 24.09.2021.
- c) For June, 2021 – from 01.10.2021 to 14.10.2021.
- d) For July, 2021 – from 26.11.2021 to 05.12.2021.
- e) For August, 2021 – from 31.12.2021 to 10.01.2022.
- f) For September, 2021 – from 08.02.2022 to 15.02.2022.
- g) From 18.02.2022 –Re opening of AWCs and Start Hot Cooked Meal.

Besides, the project organised the following activities:

- From 1st Aug, 2021 to 7th Aug, 2021 Observed National Breast Feeding week in all the AWCs
- From 1stSep, 2021 to 7th Sep, 2021 National Nutrition Week celebrated in all the Aganwadi Centres of Burtala ICDS Project.

- On 29th Dec, 2021 CDPO and all Supervisors have been taken a training on POSHAN TRACK which organised by the WCD & SW Department at Juvenile Court Building.
- On 3rd & 4th Jan, 2022 a training on POSHAN Track has been arranged by the Burtala ICDS Project at Project Office for all Anganwadi Workers.

e) Training Centre:

Middle Level Training Centre (MLTC):

The ICDS scheme is one of the largest intervention project in India, for ensuring balanced growth and development of children under the age group of 0-6 years, pregnant and nursing mothers. The universalisation of the programme is main focus of this effort. Initially the scheme was launched in 33 areas. Now the projects are ranges from 33 to almost 8000 by encompassing 28 lakhs anganwadi workers (AWW) and helpers (AWH) being supervised and monitored by huge segment of supervisors.

Anganwadi Training Centre (AWTC):

AWTC imparted different types of training on regular basis such as Induction, Job, Orientation, ECCE (for AWWs) and Refresher Training for AWWs and AWHs. During the year under reporting the performance status of ECCE Training of Anganwadi Workers from 8 ICDS project. Each batch consisting 40 trainees and 14 batches were completed. AWWs had undergone the said ECCE (Early Childhood Care and Education) Training, the duration of which 6 days. Total 560 participants imparted the training out of them 191 were SC, 21 ST and 81 OBC.

(C) ANIMAL HUSBANDRY DEVELOPMENT

Dairy and Poultry Development:

The existing dairy unit was an asset for pertaining quality training. Beside this dairy unit involved 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 included several cross breeds of well-maintained Pedigree. The cross breeds included Holstein-Frisian (HF) and Gir; HF and Sahiwal' Jersey and Gir and Jersey and Sahiwal. Average milk in the 2021-22 financial year was 500 Kg/day and total staffs involved in dairy was 22. At present there were 127 livestock animals in the farm among them 56 were milch cows. Beside this, the Biogas Plant of 1000 Kg / day capacity and Vermi-compost were an attached unit and an integrated part of the Animal Husbandry Farm Management. Both the units acted as demonstration and training component of the learning trainees. Vermi-compost production was 15 tons during 2021-22 financial year. A training programme named as 'MAITRI' was conducted by dairy unit during the year with 30 women trainees from different villages of West Bengal. The average percentage of fat in milk was

4% - 9% and average 8.75% SNF (Solid Not Fat), became a subject of learning to the dairy management students and entrepreneurs.

The University students from West Bengal University of Animal and Fishery Science (WBUAFS) as well as interneers and also IRDM faculty Centre used to come to the unit on regular basis to learn the dairy technologies and management. The production served the student of the Ashrama.

Poultry Development:

A folk of 50 birds were maintained in 'All out system' mainly coinciding with training courses. Generally, 'Kadaknath' was reared to demonstrate scientific poultry rearing targeting entrepreneurship development by the rural youth and women SHGs.

TRAINING, ENTREPRENEURSHIP AND RESOURCE MOBILISATION

a) Vocational Training Programme:

Lokasiksha Parishad had sought to create an ambiance of vigorous economic activities through promoting relevant vocational training programme, a process of small entrepreneurial development and self-employment on the youth belonging to the backward families mostly living in the category of below poverty line (BPL). The programme was started in the year 1979 with five trades viz. Carpentry, Electric Wireman, Lathe Operation, Radio Tape Recorder & Television repairing and Plumbing & Sanitation where 100 trainees received training.

The journey of the esteemed training institute Lokasiksha Parishad took a new turn at the beginning of the 21st century. Presently the Parishad imparts regular training on Beautician – Basic & Advance, Physiotherapy Equipment Operator cum Assistant, Solar Technology, Motor Mechanism (4 Wheeler), 2/3 Wheeler Repairing & Servicing, Computer Basic, Desktop Publishing (DTP), Computer Hardware & Networking, Telephone & Mobile Repairing, Commercial Art & Craft, Spoken English, Fruit Processing, Electric Wireman & Motor Winding, TV Repairing & Basic Electronics, Photography (Digital & Analog), Yogasana and 13 other allied irregular courses. In 2021-22 financial year, the Parishad imparted training to 822 male and 759 female totalling to 1,581 trainees out of which 625 were SC, 15 were ST and 189 were OBC, those who were coming from different district of West Bengal. Parishad conducted 96 batches on 17 different trades in the year 2021-22. On completion, the trainees became either self-employed or working in different befitting agencies and also became capable to improve their life and livelihood.

Training-cum-Production (TCP):

Ramakrishna Mission Lokasiksha Parishad also conducted training on Food Processing, Bag Making, Tailoring Basic & Advance, Batik & Fabric Printing, Handicrafts, Incense Stick Making, Candle Making, Room Freshener, Perfume Phenyl Making etc. In 2021-22

financial year the Parishad imparted training to 14 batches on Tailoring Training where 1 male and 309 female totalling to 310 trainees were trained, out of which 91 were to SC, 57 were ST and 26 were OBC.

b) CSR Programme:

Vedanta Foundation:

Vocational training was organized with the support of Vedanta Foundation, Mumbai in three cluster organisations namely i) Sagarmangal, Kamalpur, Sagar, ii) Sundarban Kalpataru, Kakdwip and Gosaba Rupayan, Gosaba in South 24 Parganas district. Basic tailoring (course duration 72 hours in 3 months) and course on computer concept (CCC) (course duration 126 hours in 6 months) were included in the training programme.

c) Empanelled Training Institution:

The Empanelled Training Institution (ETI-Ramakrishna Mission Ashrama, Narendrapur) erstwhile Training Orientation and Research Centre (TORC), Narendrapur has 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 are undoubtedly the backbone of NSS. But, from the year 2019-2020 as per the decision of the Ministry of Youth Affairs & Sports, Govt. of India the functions of ETI, Ramakrishna Mission Ashrama, Narendrapur had been restricted to the state of West Bengal only. During the financial year 2021-22 this unit of the Ramakrishna Mission Ashrama, Narendrapur conducted two Orientation Courses for NSS Programme Officers involving 47 Male and 17 female totalling to 64 participants.

(D) JAN SHIKSHAN SANSTHAN

Jan Shikshan Sansthan (JSS) scheme is implemented through NGOs with 100% grants from the Government of India to provide vocational skills in non-formal mode to non-literate, neo-literates, persons with rudimentary level of education up to 8th and school drop-outs up to 12th standard in the age group of 15-45 years. As a wing of Ramakrishna Mission Ashrama Narendrapur, Jan Shikshan Sansthan (JSS) Narendrapur had been organizing its various vocational training programmes, undertaking several activities, special initiatives and observing notable days as per approved plan of action by the Directorate of Jan Shikshan Sansthan, Ministry of Skill Development and Entrepreneurship, Government of India during the year 2021-2022 for the entire South 24 Parganas and Slum Areas of Kolkata Metropolitan. The details of its various activities undertaken during 2021-2022 were as follows.

1. Vocational Training

During the year 2021, JSS Narendrapur was able to achieve its targeted number of 1,733 beneficiaries through 90 batches in 18 different sectors of skill trainings. Some

important findings on achievement of different vocational trainings of JSS covered during 2021-22 could be put down as follows:

- i. In the context of social background, 40% of the total trainees of JSS was from SCs and altogether 47% of the total trainees were OBC, SCs and STs Communities.
- ii. Out of total trainees of JSS, about 42% were belonging to 19-25years age group and 28% were in the age-group of 26-35 years.
- iii. Out of total beneficiaries 85% of them were from BPL category.
- iv. In terms of educational background, there was 84% training having Rudimentary with 8th Standard education and 13% were neo-literates.
- v. In the context of gender, it was found that 75% of the beneficiaries were female.
- vi. In the trend of priority sector of vocation training, it was observed that chronological order of top five sectors during 2021-22, were - self-employed tailors (450 trainees), assistant beauty therapist (350 trainees), electrical technician (210 trainees), stringing/beading artisan (fashion jewellery 200 trainees) and jam, jelly & ketchup processing technician (195 trainees).

The sector based analysis showed that during 2021-2022, JSS Narendrapur made significant contribution to identify the priority sector of training need.

2. Activities under Azadi Ka Amrut Mahotsav/Observation of Notable Days and Special Initiatives

Other activities under Azadi Ka Amrut Mahotsav, observation of notable days and special initiatives are as follows:

2.1. Activities under Azadi Ka Amrut Mahotsav

Ministry of Skill Development & Entrepreneurship, Government of India, identified the activities to be observed by Jan Shikshan Sansthan under Azadi Ka Amrut Mahotsav (commemoration of 75th Year of India's Independence) in 75 JSSs in various State / UTs from January -2022 to August-2022. Jan Shikshan Sansthan, Ramakrishna Mission Ashrama Narendrapur undertook number of activities and programmes under this brand category during the year 2021-22 which are as follows:

a) Skill Camp/World Youth Skill Day was held on 21st and 22nd April 2021 with the participants of 38 youths and another was held on the eve of World Youth Skill Day on 15 July 2021 with the participants of 120 youths from different sectors of skill training of JSS Narendrapur.

b) Swacchhta Pakhwada

10 activities were undertaken as a part of this fortnight programme called Swacchhta Pakhwada from 16th July to 31st July 2021.

c) Observation of Notable Days

Independence Day, World AIDS Day, National Youth Day, Parakram Diwas, National Girl Child Day, Republic Day, International Language Day, International Women's Day, etc. were observed and celebrated.

d) Some Special Initiatives :

Award and Certificate Distribution, Ex-Trainees Meet, Blood Donation Camp, Eye Check-up Camp, etc.

e) Visit of Senior Government Officials :

- Sri Santanu Mitra, Economic Advisor, Ministry of Skill Development and Entrepreneurship, Government of India had a visit to JSS Narendrapur on 14th September 2021 along with Sri Bikram Kumar Das, State Engagement Officer, NSDC, Government of India during the year 2021-22.
- Sri Atul Tewari, IAS, Addl. Secretary, Ministry of Skill Development and Entrepreneurship, Government of India had a visit to JSS Narendrapur on 5th October 2021 along with Sri Bikram Kumar Das, State Engagement Officer, NSDC, Government of India during the year 2021-22. They expressed their pleasant experiences and satisfactions with the work of JSS Narendrapur.

(E) HEALTH, WATER, SANITATION & ENVIRONMENT

a) Water, Sanitation and Hygiene Project:

Ramakrishna Mission Lokasiksha Parishad (RKMLSP) of Ramakrishna Mission Ashrama, Narendrapur was directly involved in implementation of Water and Sanitation programs since 1981 and developed innovative strategies involving its network of Cluster Organisations and Village Clubs for promotion of rural sanitation programs. Some of the strategies had been accepted as state and national policy for promotion of rural sanitation in the country. Presently RKMLSP was implementing Swachh Bharat Mission (SBM-G)/Mission Nirmal Bangla (MNB) program in Purba Medinipur and Paschim Medinipur districts through its affiliated 11 Cluster Organisations in collaboration with Zilla Parishad.

Presently, RKMLSP was working as NGO Partner in association with Taru Leading Edge, New Delhi for implementation of Asian Development Bank (ADB) assisted and PHED, Govt. of West Bengal operated "West Bengal Drinking Water Sector Improvement Project" (WBDWSIP) in Nandigram-I & II Blocks of Purba Medinipur district. Purpose of the project was to provide 24x7 drinking water supply through to all households of above two blocks. RKMLSP was supporting PHED to strengthening the capacity of Panchayats, members of Village Water and Sanitation Committee (VWSC), blocks

functionaries and Communities for successful implementation and taking responsibilities of Operation and Maintenance of the facilities after commissioning. Other responsibilities were to support project in establishing and operation of Smart Water Management Centres (SWMC) at GPs. The project was covering 17 GPs of Nandigram-I & II blocks in the first phase and Chandipur and Nandakumar blocks would be included in the second phase.

Improving WASH Standard in Schools: A new project had been initiated titled “Improving WASH Standards in Schools under the Nirmal Vidyalaya Initiative in Purulia” partnering with the UNICEF, Kolkata and in collaboration with the Samagra Siksha Mission, Purulia from April to December, 2021.

Overall Objectives of the initiative were -

- To enable around 4500 schools in Purulia in West Bengal to reach one or two or three stars as per Swachh Vidyalaya Puraskar (SVP) and adoption of positive key hygiene behavioural practices and/or qualify for three star or higher category of awards as under Swachh Vidyalaya Puraskar
- Enable 4500 schools in Purulia district to adopt positive key hygiene behavioural practices

National Key Resource Centre : Sanitation of RKMLSP approved by the Department Drinking Water and Sanitation, Government of India had extended support to the Water and Sanitation Support Organisation (WSSO), Public Works Department - Drinking Water and Sanitation (PWD-DWS), Government of Tripura for developing the capacity of different stakeholders of district and block levels involved in implementation of SBM-G2 in the state.

Programs/activities have been conducted under WBDWSIP in Nandigram - I & II blocks of Purba Medinipur district during the reporting period:

During the reporting period total 217 different programs conducted with 12880 participants including 6684 (51.89%) female and 6196 (48.11%) male participants as per the agreement with the ADB and PHED, Government of West Bengal.

Activities of two Water Testing Labs run directly by the RKMLSP

- 4271 nos. water samples of public drinking water sources of 189 villages had been tested by 2 nos. Water Testing Labs run by the RKMLSP.
- These two labs also tested 78 no. private water samples, for which the owner of water sources have contributed the full testing cost.
- Addition to the public water sources, these two labs tested 254 nos. water sample of Educational Institutions, 32 Anganwadi Centres and 20 nos. samples of Public Health Institution and shared the report with the concerned institutions.

Capacity Development and Information, Education and Communication (IEC) activities conducted in Purba Medinipur district with the technical support of RKMLSP

- 8 nos. one day hands on training for ASHA Workers on drinking water testing by FTK with 400 female participants.
- 28 camp organised by Cluster Organisations and Clubs in 28 villages on the day to observed World Toilet Day. In these programs 1524 male, 1264 female, 745 boys and 688 girls participated.
- 22 nos. focused group meetings on Word Hand Washing Day organised with 300 male and 350 female participants.
- 41 nos. Village level awareness on ODF sustainability under SBM/MNB had been conducted with 2449 male and 3648 female participants in Purba Medinipur district.

b) Joint Forest Management Unit:

JFM wing of RKMLSP undertook various programs through national and international CSR funding during the reporting period. The details of these programs are narrated below:

i. Plantation Program: Sponsored by M-Junction, 'Tata Centre' Kolkata.

The main objective of the program was to develop greeneries through plantation to improve environmental foot print besides generation of additional income of the farmers.

Being an ongoing program, the activities initiated in the year 2019 continued till August 2021. The program was implemented at Binpur II block at Jhargram district. A cluster of three acres of land owned by three persons was selected and RKMLSP provided necessary input support e.g, Mango, Cashew, Sonajhuri and Teek saplings, fertilizers and pesticides. The intercropping of vegetables in the plantation area generated additional income to the tune of Rs 11500.00 which was considered remarkable.

ii. Early Childhood Education Programme: Sponsored by TM International Logistics Ltd, 'Tata Centre', Kolkata.

Early Child Education Centres (ECE) 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

9 ECE centres are currently operating which are being managed by 18 local teachers. 243 children (122 boys and 121 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; 2 centres in Bankura and 1 centre in Jhargram.

iii. Construction of ECE centres and Small Animal Raising (Poultry), Programme: Sponsored by IRC Agrochemicals Pvt. Ltd. (Indorama Group), Haldia, Purba Medinipur.

- **Construction of Early Child Education Centres**

IRC Agrochemical provided grant for constructing three ECE centres at Gohalbere in Paschim Medinipur, Turubandh at Motgoda and Katiam at Raniband in Bankura which were completed. These centres started operating during the reporting year.

- **Small Animal Raising:**

The main objective of this programme was to promote entrepreneurship among the rural youths of Purba Medinipur district by providing skill development training, entrepreneurship development facilities and marketing facilities and to help them to generate income and earn profit. 140 women of poor, marginal and backward communities were selected for this purpose and they were provided 30 birds along with feed, medicines etc.

iv. Green College: Sponsored by WHH, New Delhi

Green Colleges India: The Sundarban Islands Programme

Ramakrishna Mission Lokasiksha Parishad (RKMLSP) was running another Green College Programmes, funded by Wealthungerhilfe, New Delhi in the district of South 24 Parganas of West Bengal. Among these, GOSABA GREEN COLLEGE started its journey in the year 2013 and it is being recognized as a potential and effective Vocational Training Institute in the Gosaba Block and its adjoining areas of South 24 Parganas. It had produced a good number of Rural Eco-prenuers by imparting time bound, cost effective; market oriented and need based trainings on Natural Resource Management (NRM) based trades.

The present project 'Green Colleges India: The Sundarban Islands Programme' sponsored by WHH, New Delhi is to be implemented on and from 1st November 21 for a period of 36 months (till 31 October 2024) at the Gosaba and its adjacent blocks of the South 24 Parganas district. The mandate of the programme was to train a total of 750 rural school dropout youths (15-25 age group) on certified green trades (solar repairing and maintenance, computer hardware repairing and maintenance, animal health worker and agriculture & allied course) following the Skill up! Quality Standards. The programme had started in the month of November 2021 and till March 2022, 4 nos vocational courses had been completed. 71 youths had been trained so far in animal & bird keeping, fish cultivation and computer hardware & networking.

v. Skill up! Strengthening Skills Development, Creating Future Perspective:

Ramakrishna Mission Lokasiksha Parishad (RKMLSP) was running the Skill up Programme funded by Wealthungerhilfe, New Delhi in Purulia, Bankura and Jhargram Districts of West Bengal covering 18 blocks in Purulia and 4 blocks of

adjoining Bankura and 1 block in Jhargram district within 50 km radius of these centres. The project duration is three years from January 2020.

Short and medium duration courses of both residential and non-residential of 1-3 months durations had been introduced, the skill up programme had completed training programme on sal leaf plate making, animal and bird rearing, mushroom cultivation, medicinal plant cultivation, tailoring, fruit processing and preservation etc. Till date, a total of 413 youths from the tribal, backward community had been trained in 18 different courses. Beside, 449 men and 472 women were benefitted through Farmers' Field School (FFS). Skill development and institutionalization of the courses were one of the objectives towards entire journey and the intended outcome would be the formation of Farmers Interest Groups (FIGs) and Farmers Producers Organisation (FPO) with resourceful trainees at the trainee's level towards their sustainability.

vi. Wasteland Development Programme: Sponsored by NABARD

This programme was being implemented with the aim to develop orchard of Mango and Cashew in 1000 acres Wasteland of 1000 tribal families (one acre for each family) in Binpur II block of Jhargram district. The overall goal of this programmed was to focus the total development of the community through conversion of Wasteland into Greenland. The major activity was orchard development including plantation, soil conservation, water harvesting and capacity building. This was supplemented by social development programmed like community development through group mobilization. Both these activities were interwoven in such a way that they were complementary in order to make the programmed effective, fruitful and sustainable.

vii. Amphan Cyclone Emergency Project: Sponsored by WHH, New Delhi.

The Project distributed 250 tarpaulins, 2500 ration kit like lentil, mustard oil, salt, sugar, Sayabean chunk, spices, biscuits and noodles; 2500 hygiene kits like face mask, soap, hand wash, hand sanitizer etc.; 1290 children 1 to 6 years' age groups were received Nutrimix of 2-2.5 kgs each; 30 hand pumps were disinfected with renovation works benefiting 1332 dependent households; 400 numbers of patients were received curative and preventive support with medicine and first aid.

viii. Empowerment of Downtrodden Women Programme:

This was programme for promotion of empowerment of women of the poor, marginal, economically backward and tribal communities of the forest fringe areas of Purulia, Bankura and Paschim Medinipur and Jhargram districts. Women empowerment through group mobilization is the basic objective of this programme. Women of SHGs imparted vocational training through our Green College at Bankura and Purulia and after completion of the training successfully they were provided with

a start-up support to initiate their own business. The support was interest free and refundable in instalments as per the convenience of the recipient. During the reporting year 40 rural tribal youths have received a total support of Rs. 400000/- (@ Rs. 10000/- per youth) for their own business of sal leaf plate making, tailoring and animal rearing purpose from the Ashrama.

d) Solar Energy Programme:

Towards promotion and utilization of non-conventional energy like solar, the Parishad installed different solar system mainly in non-electrified areas. The Parishad promoted 5 home lighting systems, 4 solar LED lanterns, 6 solar fans, 5 solar torches, 5 SPV Module, 5 solar batteries, 7 charge controller unit(CCU), 53 LED bulb and tube light, etc. among beneficiaries during the reporting year.

(F) RELIEF AND REHABILITATION:

Ramakrishna Mission Lokasiksha Parishad, Narendrapur, undertook extensive relief works at many villages in South 24 Parganas, Purba Medinipur and North 24 Parganas after the devastated cyclone YAS. The much needed urgent relief was provided to rural population during 25 May 2021 to 14 June 2021 in as many as 200 villages in above districts. More than 128000 people were directly benefitted. Besides cooked food, Tarpaulins, Clothing, nutritional items and sanitation items were provided.

