

## Brief Profile and Report of the Activities

### RAMAKRISHNA MISSION VIVEKANANDA UNIVERSITY

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

PO Belur Math, Dist Howrah 711202, West Bengal

(For the Financial Year 2015-16, that is, 01 April 2015 to 31 March 2016)

#### **1. Historic Backdrop: Swami Vivekananda's Vision and Objectives:**



Ramakrishna Mission Vivekananda University, formerly known as 'Ramakrishna Mission Vivekananda Educational and Research Institute' is a humble first step in actualizing Swami Vivekananda's vision of a University at Belur Math, the headquarters of Ramakrishna Math and Ramakrishna Mission that he founded at the behest of his Master, Sri Ramakrishna Paramahansa. In fact, on 2 July 1902, just a couple of days before he passed away, Swami Vivekananda prophesied that "the spiritual impact that has come to Belur [Math] will last fifteen hundred years; and it will be a great university. Do not think I imagine it; I *see* it." On another occasion, he wrote: "Now, the aim is to gradually develop this [Belur] Math into an all round university." As a humble step in actualizing this vision, Ramakrishna Mission started a University in 2005 under the name 'Ramakrishna Mission Vivekananda Educational and Research Institute'. It is also known as 'Ramakrishna Mission Vivekananda University', as subsequently renamed. In its effort to actualize Swami

Vivekananda's vision of imparting 'man-making' and character-building education, the University has set its objectives as achieving excellence in the field of higher education on the one hand and on the other to create a band of educated youth who would, in Swami Vivekananda's words, possess 'muscles of iron and nerves of steel and a mind made of the same material of which the thunderbolt is made'—in short the objective is the creation of 'complete human beings' with 'head, hand and heart' fully developed: 'heart to feel, brains to conceive, and hands to work', men and women of impeccable character, inflexible moral fibre, penetrating intellects, lion-like courage and above all, intense feeling for the underprivileged and the downtrodden masses of India, those who would passionately feel and work for rebuilding a glorious India of the future—powerful, vigorous and rejuvenated.

#### **2. Objectives, Uniqueness and Salient Features—the 'thrust areas':**

The uniqueness of the University consists in its following salient features: (i) the emphasis on certain 'thrust areas' which are also 'gap areas' in that these areas scarcely receive any attention in the conventional universities in India, (ii) the multi-campus character of the University—it operates through a wide network of specialized Faculty Centres in these thrust areas located in different parts of India at the various branch-centres of Ramakrishna Mission some of which have been working in these areas for decades, (iii) the inculcation of higher human values in our attempt to realize Swami Vivekananda's vision of education as 'life-building, man-making character-making assimilation of ideas'—value-based education forms the essential component of *all* the courses run by the University.

*To start with, the following 'thrust areas' have been chosen:*

- (1) Disability Management and Special Education
- (2) Integrated Rural Development including Tribal Development
- (3) Indian Cultural and Spiritual Heritage and Value Education
- (4) Fundamental sciences—integrated teaching and research
- (5) Environmental Science and Disaster Management including relief and rehabilitation

Courses and academic programmes in the above areas are conducted at the University's Belur main campus (the Headquarters) and the following approved 'Off-campus' centres through the various Schools as mentioned below:

- (1) School of Rehabilitation Sciences and Physical Education at Coimbatore, Tamil Nadu,

## **(2) School of Agriculture and Rural Development at**

(i) Narendrapur, West Bengal, and (ii) Ranchi, Jharkhand.

**(3) School of Indian Heritage** at Belur main campus and Swami Vivekananda's Ancestral House, Kolkata, West Bengal.

**(4) School of Mathematical Sciences** at Belur main campus and Swami Vivekananda's Ancestral House, Kolkata, West Bengal.

**(5) School of Humanities and Social Sciences** at Belur main campus and Swami Vivekananda's Ancestral House, Kolkata, West Bengal.

## **2.A. Special Features of Faculty of Disability Management and Special Education (FDMSE) Coimbatore Campus, Tamil Nadu:**

The Faculty of Disability Management and Special Education (FDMSE) is located in the Ramakrishna Mission Vidyalaya, Coimbatore, a major education center of the Ramakrishna Mission.

FDMSE is playing an active role in the field of disability management for last three decades. It offers comprehensive services to persons with various disabilities. It caters to the educational and vocational training needs pertaining to persons with disabilities. The Faculty offers training not only to the personnel seeking knowledge in training of persons with disabilities but also to the persons with disabilities who seek training in areas such as Computers, Braille, Abacus, Orientation & Mobility, Sign Language.

### **IHRDC – Vidyalaya Unit for the Persons with Disabilities and its up gradation to FDMSE**

The International Human Resource Development Centre for the Disabled (IHRDC) was established in 1984 with the primary objective of producing Braille books for blind children and later on upgraded to an independent international institute of full-fledged human resource development in disability management in the year 2001. The Ministry of Human Resource Development, Government of India, as per its notification dated 5 January 2005, based on the recommendation of the University Grants Commission (UGC), accorded a University – status to our International Human Resource Development Center for the Disabled (IHRDC) in the Ramakrishna Mission Vidyalaya, naming it as the Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI). Later the name of the institute was coined as Ramakrishna Mission Vivekananda University (RKMVU), having its Headquarters at Ramakrishna Mission, Belur Math, West Bengal with its Faculty of Disability Management and Special Education (FDMSE) in the Vidyalaya, Coimbatore after receiving official communication from University Grants Commission.

### **Vision of FDMSE:**

The aim of FDMSE is to translate the vision of Swami Vivekananda into action. The vision of FDMSE is based on the fact that the strength of persons, of even those with disabilities, can be aroused for constructive purposes by professionally trained teachers. The Faculty believes that by strengthening the hearing ability of visually impaired person, visual ability of hearing impaired person, motor ability of mentally retarded persons and cognitive ability of persons with locomotor disability through well trained professionals, seemingly impossible results may be achieved. The human resource development of a country is directly linked to the level of education of its citizens. Special efforts are to be taken to bring the disabled populations under the umbrella of education to tap their potential and make them contributing members to the society. Without providing education for the disabled children we cannot claim to have provided education to all. In order to train teachers to take up this important work of educating children with special needs, FDMSE is offering courses in Special Education.

### **Mission of FDMSE:**

- Offering training programme at all levels for preparing personnel and professionals for special education and rehabilitation programmes, catering to the needs of persons with visual impairment, hearing impairment and mental retardation.
- Organizing short term training programs for preparing multi-purpose rehabilitation workers to serve persons with disabilities.
- Organizing awareness programmes for parents, administrators and public for facilitating effective implementation of service programmes for persons with disabilities.
- Promoting context based models leading to educating all children with disabilities.

- Preparing literature such as handouts and brochures on education and rehabilitation of persons with disabilities.
- Organizing orientation programmes for general classroom teachers for implementing inclusive education programme for the disabled children.
- Promoting research in specific educational and rehabilitation areas, whose results would strengthen development of inclusive schooling and community based rehabilitation programmes.
- Offering continuing education programmes for the personnel working in the field of education and rehabilitation of the disabled.
- Providing guidance & counselling services for persons with special needs to promote education & employment opportunities.

## **2.B. Special Features of General Adapted Physical Education and Yoga (GAPEY), Coimbatore Campus, Tamil Nadu:**

Aims and objective of the Faculty are-

1. Preparing world class teachers in Physical education for General population and Disabled Population.
2. Train persons to become trainer for Special Olympics and Paralympics.
3. Carry out research in the broad area of Physical Education.
4. Disseminate knowledge through peer review publications and study manuals.
5. Train people with disabilities to take part in recreational sports and to perform in competitive sporting events.
6. Integrate Yogic practices as a part of life through various courses and training sessions.

## **2.C. Special Features of the Faculty of Computer Science Applications and Research (FYCSAR), Coimbatore Campus, Tamil Nadu:**

**Work Integrated Learning Program, M.Sc (Computer Science Application):** A progressing Industry based society demands that its employees must constantly be acquainted with newer skills, recent trends and cutting edge technologies throughout their tenure. To meet such demands students must constantly be updating their academics and be engaged in self-development activities. Therefore, keeping in view the industry's needs, an Integrated M.Sc. programme has been designed wherein the Diploma students of Computer Engineering, working in software related companies and institutions at different places of Coimbatore can pursue the course while still at work. Syllabuses are framed according to the suggestions made by the industry and academicians. Theories are taught by our teachers at Ramakrishna Mission Vivekananda University, Coimbatore Campus during weekends and holidays strictly adhering to UGC norms regarding the credit requirements. Practicals related to theory and training on real time projects are taught and taken care by Team Leaders of the Industry. Upon completion of the course, the students are re-absorbed into the company as employees. This system ensures 100% employability as skilled trainees; bridges the gap between academics & industrial needs and qualifies the students to express their invaluable opinions regarding different contents of the course.

## **3. Courses and Programmes Offered at Present:**

### **(1.1) Under the 'School of Rehabilitation Sciences and Physical Education' at Coimbatore:**

#### **(i) Faculty of Disability Management and Special Education (FDMSE):**

FDMSE offers the following programmes in regular mode approved by Rehabilitation Council of India (RCI), New Delhi. State government norms are followed for reservations in admissions:

- (a) B.Ed., M.Ed., M.Phil., and Ph.D., in Special Education (Hearing Impairment, Visual Impairment and Mental Retardation),
- (b) Diploma in Special Education (Hearing Impairment, Visual Impairment and Mental Retardation).
- (c) Diploma in Sign Language.
- (d) Certificate Course in Theatre Arts and Holistic Development (CTHAD)-Interdisciplinary Part-time Course.
- (e) Certificate Course in Assistive Technology (CCAT) for the Persons with Disabilities.-Interdisciplinary Part-time Course.

**(ii) Faculty of General & Adapted Physical Education and Yoga (FGAPEY):**

- (a) B.P.Ed., M.P.Ed., & Ph.D. (Bachelors, Masters and Doctorate respectively in Physical Education),
- (b) M.Phil (Master of Philosophy) in Physical Education,
- (c) D.P.Ed (Diploma in Physical Education),
- (d) B.Sc. in Physical Education.

**Part-time Course:**

- (e) Certificate Courses in (i) Yoga, (ii) Fitness, (iii) Tennis, (iv) Kalari, (v) Adepted Physical education, (vi) Aerobics, (vii) Special Olympics (offered only in summer);
- (f) Diploma in Aerobics; (g) Diploma in Yoga.

**(1.2) Faculty Center for Agricultural Education and Research (FAR)**

- (a) B.Sc (Agriculture) - 4 year course in Regular mode.

**(1.3) Faculty Center for Computer Science Applications and Research (FYCSAR)**

- (b) Work Integrated Learning Program, M.Sc. (Computer Science and file: Applications).

**(2) Under the ‘School of Agriculture and Rural Development’ at Narendrapur and Ranchi:**

**(2.i) Faculty centre for Integrated Rural Development and Management at (IRDM) at**

**Narendrapur Campus, West Bengal:** Courses offered under this Faculty centre are as follows-

- (a) M.Sc. and Ph.D. in ‘Agriculture and Rural Development (ARD)’,
- (b) M.Sc. and Ph.D. in ‘Agricultural Bio-technology (AgBT)’,
- (c) One year PG Diploma in Sports Science.
- (d) Ph.D. in Environment and Disaster Management.

**(2.ii) Faculty Centre for Integrated Rural & Tribal Development and Management (IRTDM) at Ranchi, Jharkhand: Courses offered under this Faculty centre are as follows-**

- (a) Five-year Integrated M.Sc. [3yr B.Sc. (Hons.) +2yr M.Sc.] in 'Agriculture, Rural and Tribal Development (ARTD)',
- (b) Two-year M.Sc. in 'Agriculture, Rural and Tribal Development (ARTD)',
- (c) Ph.D. in ‘Integrated Rural & Tribal Development and Management (IRTDM)’,

**(3) Under the ‘School of Indian Heritage’ and ‘School of Humanities and Social Sciences’ at the Belur Math main campus and Swami Vivekananda’s Ancestral House at Kolkata:**

- (a) Five-year integrated M.A. course in Sanskrit Studies at Belur main campus,
- (b) Integrated M.Phil-Ph.D. in Sanskrit Studies,
- (c) Certificate course in Preliminary Sanskrit,
- (d) Certificate courses in ‘Indian Spiritual Heritage’ & Value Education at Belur main campus, (Certificates courses in Srimad Bhagavad Gita, Kathopnishad & Ishopnishad, Bhagavatam, Spritual Heritages of India, Life of Swmi Vivekananda, Karmayoga, Bhaktiyoga, Jnanayoga, Rajyoga, Patanjali Yogasutra, Selections Swami Vivekananda's Vani O Rachana, Stotras, Sri Sri Chandi, and Sri Ramakrishna Kathamrita)
- (e) M.Phil. and Ph.D. in Bengali Studies at Belur main campus and Swami Vivekananda’s Ancestral House in Kolkata,
- (f) Ph.D. in Translation Studies at Belur main campus,
- (g) Ph.D. in English,
- (h) PG Diploma in Yoga (PGDY), and
- (i) Certificate Course in Yoga (CCY).

**(4) Under the ‘School of Mathematical Sciences’ at Belur Math main campus and Swami Vivekananda’s Ancestral House in Kolkata:**

- (a) M.Sc., and Ph.D. programmes in the Department of Physics,
- (b) M.Sc. and Ph.D. programmes in the Department of Mathematics,
- (c) Diploma, M.Sc. and Ph.D. programme in the Department of Computer Science.



*Medha Bhawan, Headquarters of the Ramakrishna Mission Vivekananda University, Belur*  
*Ramakrishna Mission Vivekananda University, Belur, Campus View*

**4. Awards received or other achievements by staff and students:**

**4.1. Department of Physics:**

**Eleven students of MSc physics were awarded the CSIR/UGC NET/jest/GATE/GRE etc. fellowship.**

- i) Anwesha Chattopadhyay [Msc 2<sup>nd</sup> year], Qualified: NET(LS), GATE, JEST(PhD): Selected as PhD student at SINP Kolkata.
- ii) Aritra Saha [MSc 2<sup>nd</sup> year] Qualified: GRE, Selected as PhD student at Texas A&M University, US
- iii) Dipak Patra [MSc 2<sup>nd</sup> year] Qualified: NET(JRF), GATE, JEST(PhD) Selected as PhD student at RRI Bangalore
- iv) Jagannath Santara [MSc 2<sup>nd</sup> year] Qualified: NET(LS)] Selected as PhD student at NISER, Bhubaneswar
- v) Koushik Dey [MSc 2<sup>nd</sup> year] Qualified: GATE, JEST(PhD) Selected as PhD student at UGC-DAE CSR, Indore
- vi) Priyabrata Mudi [Msc 2<sup>nd</sup> year] Qualified: GATE, JEST(PhD), Selected as PhD student at RRCAT, Indore
- vii) Saptak Acharjee [Msc 2<sup>nd</sup> year] Qualified: GATE, Selected as Mtech student at Jadavpur U, Kolkata



- viii) Shoumita Pal [Msc 2<sup>nd</sup> year] Qualified: GATE, Selected as Mtech student at NIT, Jaipur  
 ix) Sourav Laha [Msc 2<sup>nd</sup> year] Qualified: GATE, JEST(PhD), Selected as PhD student IISER, Pune  
 x) Sreetama Goswami [Msc 2<sup>nd</sup> year] Qualified: JEST(PhD) Selected as PhD student RRI, Bangalore  
 xi) Suman Sahu [Msc 2<sup>nd</sup> year] Qualified: NET(JRF)], Selected as PhD student at University of Massachusetts Amherst, US.

#### 4.2. Department of Mathematics:

Swami Vidyanathananda (Prof. Mahan Mj.) is Awarded with J.C. Bose Fellowship of the Department of Science and Technology for the year 2015.

#### 4.3. Department of Sanskrit studies:

(i) Six students of the department qualified in NET examination & four which qualified for JRF scholarship.

NET/JRF Qualification				
Sl.	Name	Category	NET/JRF	Date
1	Kartik Mete	SC	JRF	Dec 2015
2	Rahul Gazi	OBC	JRF	Dec 2015
3	Sukanta Manna	OBC	JRF	Dec 2015
4	Tridib Roy Mondal	SC	JRF	Dec 2015
5	Nepal Das	OBC	NET	Dec 2015
6	Sudipta Dey	OBC	NET	Dec 2015

(ii) For enhancement of sanskrit teaching & learning University signed a MoU with Sri Venkateswara Vedic University, Tirupati signed on 12 July 2015

(iii) Selection of one student of sanskrit dept (Malay Porey) in the Public Service Commission 2015. He was appointed by the State Government as an assistant professor in Durgapur Government College, Durgapur, w.e.f. 01 March 2016.



***PRAJNA BHAWAN- A view of the new Academic Building***

#### **4.4. Faculty of Integrated Rural Development and Management(IRDM):**

**Centre on Organic farming:** IRDM Faculty Centre, Ramakrishna Mission Vivekananda University has been selected as one of 7 new Centres under Network Project on Organic Farming (NPOF) under Indian Institute of Farming System Research (IIFSR), Modipuram, UP in the 21<sup>st</sup> EFC meeting of Indian Council of Agricultural Research (ICAR) held on 15 July 2014. The objective is to provide technological backstopping on organic farming for niche crops and areas. Presently there are 20 such centres throughout the country. Dr. Md. Nasim Ali will, Assistant Professor of the IRDM Faculty Centre will act as the Principal Investigator (PI) of the project. In the meeting of PIs for new centres of NPOF during 24-25 April 2015 at ICAR-IIFSR, Modipuram, the final technical programme submitted by our centre have been discussed and approved for implementation. The following four experiments will be conducted by our centre-

- (a) Evaluation of different nutrient input system in various cropping systems on soil health and crop productivity at coastal saline belt of West Bengal.
- (b) Biochemical characterization and molecular identification of microbial population of different organic manures.
- (c) Validation of Organic ITKs.
- (d) Geo-referenced Characterization of Organic Cluster



**Ramakrishna Mission Vivekananda University, IRDM Faculty Centre, Narendrapur**

#### **4.5. Faculty of Integrated Rural and Tribal Development and Management (IRTDM), Ranchi:**



***Ramakrishna Mission Vivekananda University, IRTDM Faculty Centre, Ranchi***

**Achievements and awards received by IRTDM students:**



(i) **Subroto Ghosh**, student of 10<sup>th</sup> semester **received best paper award in the oral presentation**, who participated in a National Conference on ‘Organic Farming & Sustainable Food Security’ organized by School of Agriculture, ITM University (Sithouli Campus), Gwalior, MP during 19-20 February, 2016. [ Paper presented: Effect of *Shasyagavya* on Yield and Quality Attributes of Onion (*Allium cepa* L.) Cv. N-53 authored by Subrata Ghosh and Avijit Kr. Dutta].

(ii) **Sayan Kr. Majee**, student of 8<sup>th</sup> semester **received best paper award in the poster presentation**, who participated in a National Symposium on ‘Vegetable Legumes for Soil and Human Health’ organized by Indian Society of Vegetable Science in collaboration with Indian Council of Agricultural Research, Indian Institute of Vegetable Research, Indian Institute of Pulses Research and National Horticulture Board during February 12-14, 2016 at IIVR, Varanasi. [Paper Presented: “Influence of various concentrations of BD-501 and Panchagavya on Yield and Quality of Garden Pea cv. Arkel” authored by Sayan Kr. Majee and Avijit Kr. Dutta]



***Ramakrishna Mission Vivekananda University, Coimbatore Campus Building***



***Ramakrishna Mission Vivekananda University, Coimbatore Campus Building***

#### **4.6. Faculty of Disability Management and Special Education (FDMSE):**

**Awards received or other achievements (by staff/student/department):**

**Dr. N. Muthaiah, Hon. Dean, FDMSE:**



- (i) Acted as resource person in a two day orientation program cum course coordinator's meet of diploma/degree/master level Rehabilitation Council of India (RCI) approved programs of all southern states of India organized by RCI at the NIEPMD, Chennai on 1 September 2015.
- (ii) Attended the Regional Consultative Meeting on "New Policy on Education" organized by Regional College of Education, Mysore held at School Education, Pondicherry University, Pondicherry and NCTE-SRC office, Bangalore on 12 October and 7 November 2015 respectively.
- (iii) Visited the Colleges of Education in Pune, (Maharashtra), Belgaum (Karnataka) and Jaipur (Rajasthan) as a member coordinator at NAAC-Peer Team for assessment and accreditation on 27-29 August and 21-23 September 2015 and 7-9 March 2016 respectively.
- (iv) Visited Institute of Advanced Study in Education, Saidapet, Chennai, as a member of Autonomous Review Committee for granting the extension of Autonomous status on 3-4 March 2016.

**Mrs. Kamakshamma Moorthy, Asst. Professor, FDMSE:**

- (i) Attended a 4-day programme on "Human Rights Education" from 8-11 September 2015. This programme was Training of Trainers -- Training the Teacher Educators in Human Rights Organized by the Institute of Human Rights Education in Collaboration with SCERT in Madurai.
- (ii) Acted as a resource person in the Training Programme in Human Rights for DIET Lecturers of different districts of TN conducted by Human Resource Institute of Madurai on 29 October 2015. The lecture topic was "Human Rights Approach in Addressing the Issues of Persons with Disabilities for their Inclusion in Society".

**Dr. Sudha A, Asst. Professor:**

- (i) RCI deputed as an inspector to assess B.Ed. at Indira Gandhi College of Special Education, Kanuvai, Coimbatore on dated 10 February 2016.
- (ii) Acted as a resource person for IAS aspirants organized by College of Arts and Science, SRKV Vidyalaya, Coimbatore on a topic "Overview of Disabilities and National and International Legislations for Persons with Disabilities" on 18 May 2015.
- (iii) Acted as an Academic Auditor at WVS Special School, Coimbatore 1 June 2015.
- (iv) RCI deputed as an inspector to assess Teacher Training Programme at Mother Teresa University, Kodaikanal on dated 20-21 August 2015.

**Dr. J.B. Dheesha, Asst. Professor, FDMSE:**

- (i) Acted as resource persons for IGNOU, M.Ed., contact programme at SRKV College of Education, Coimbatore on 17 & 18 May 2015.

**Dr. Abhishek Kumar Srivastava, Asst. Professor:**

- (i) Acted as resource persons for IGNOU, M.Ed., contact programme at SRKV College of Education, Coimbatore on 17 & 18 May 2015.
- (ii) Attended the two day orientation programme cum course coordinator meet of RCI approved institutions organized by RCI, New Delhi, in collaboration with NIEPMD, Chennai on 1-2 September 2015.

**Sri. P. Ramakrishna, Asst. Professor (FDMSE):**

- (i) Attended the Board of Studies Meeting at Kalasalingam University, Chennai on 20-21 July 2015.
- (ii) Acted as external examiner for TNOU B.Ed., Special Education Courses at Chennai from 5-7 November 2015.

**Mr. S. Logesh Kumar, Asst. Professor:**

- (i) Acted as external examiner for TNOU B.Ed., Special Education Courses at Madurai on 6-7 November 2015.

**Mrs. M. Senthilvani, Incharge (Speech Therapy Unit):**

- (i) Acted as Resource Person for the CRE programme on 'Curriculum and Teaching strategies for young children with Hearing Impairment' for SSA Special Educators at Thanjavur on 10 July 2015. The programme was jointly organized by NIPMED, Chennai and SSA-IED, Thanjavur.

(ii) Attended a training programme on “VAGMI TEACH & VOICE SYSTEM” which is installed in our AV Lab on 6 November 2015. Dr. Ananthapadmanaba, Founder & Director, Voice and Speech Systems, Bangalore was the resource person.

**Mrs. V. Indirani, Teacher In charge, Special Education Unit, MR**

(i) Acted as inspector deputed by RCI, New Delhi to assess B.Ed. Training Programme at Hyderabad on 7-8 May 2015.

**5. Foreign Visits on invitation:**

**5.1. Visits to foreign countries by the Vice Chancellor:**

Swami Atmapriyananda, Vice Chancellor, on invitation attend the annual Council meeting from 25 -30 August 2015 held in Geneva, of ‘**Day of Prayer and Action for Children**’, a global organization working with UNICEF and UNESCO, under Arigatou International, with Headquarters in Japan and Secretariat in New York.

**6. Visits to foreign countries by our faculty for research purposes:**

**6.1. Department of Mathematics:**

(i) Samik Basu visited Istanbul Center for Mathematical Sciences -- Istanbul, Turkey, August 2015.

(ii) Somnath Basu was (a) Invited to visit Simons Center for Geometry & Physics during May 2015

(b) Invited to visit Universite de Nantes to collaborate with Prof. Hossein Abbaspour

**6.2. Department of Physics:** Prasanta Kumar Mukherjee visited Department of Physics, University of Kassel, Germany for two months during August-September 2015 as Alexander von Humboldt Fellow with Prof. Burkhard Fricke as Host Professor.

**7. Visits by faculty from foreign countries to RKMVU for research purposes:**

**7.1. Department of Physics:** Prof. Stephan Fritzsche of the Department of Physics, University of Zena, Germany visited during the period January 4 - 13, 2016, delivered two talks.

**8. Visits by faculty from various universities/research institutions of India to RKMVU:**

**8.1. Department of Physics:**

i) Prasanta Kumar Mukherjee visited the International Tropical Conference on Charged Particle Collisions and Electronic Processes in Atoms, Molecules and Materials: 2016 during 9-11 January

ii) Bobby Ezhuthachan visited IISER, Mohali in December 2015 to attend National String Meeting

iii) Bobby Ezhuthachan visited IISC, Bangalore in June 2015 to attend Strings 2015.

iv) Bobby Ezhuthachan visited IISER Bhopal in July 2015 as a guest speaker in preparatory SERC school.

**8.3. Visitors to the Faculty of Integrated Rural Development and Management (IRDM):**

i) Dr. Vivek Kumar, Senior Innovation Officer, National Innovation Foundation (NIF), Ahmedabad on 4 November 2015.

ii) Ex-Director General of Indian Council of Agricultural Research, Dr. S. Ayyappan, on 25 March 2016.

**8.4. Faculty of Integrated Rural and Tribal Development and Management (IRTDM), Ranchi:**

(a) Sri Vinayak Lohani, Founder of PARIVAAR Society shared his experiences as Social Entrepreneur on 24 April, 2015

(b) Sri Anil Narayan Singh, OSD, MGNREGA, Govt. of Jharkhand delivered a special lecture on Status of MGNREGA in Jharkhand on 30 April 2015.

(c) Sri Subroto Dutta, Director, RSETI, Ranchi delivered a special lecture on Financial Inclusion on 2 May 2015.

(d) Sri Manoj Kumar, Deputy Commissioner, Ranchi delivered a special lecture on Role of Rural

Development Professionals in Executing Rural Development Programmes in Jharkhand on 7 May 2015.

(e) Miss Arunima Sinha, Padmashree Awardee delivered a special Motivational Talk on 13 January 2016.

(f) Dr. P.K. Tewari delivered a special lecture on *Prospects of Sericulture in Jharkhand* on 24.2.2016.

(g) Dr. A.K. Chakrabarty delivered a special lecture on *Livelihood Security in Jharkhand* on 10.3.2016.



**Seminar conducted by special visitor IRTDM, Ranchi**

### **8.5. Visits to Faculty of Disability Management and Special Education (FDMSE):**

Visitors during 2015-16 from different institutions are given in the following table:

SN	Date	Name & Designation	Institution (From)
1	27.04.2015	Mr. N. Umanath, Dy. Station Master Railways	Periyanaickenpalayam, Coimbatore
2	02.05.2015	Ms. Shila Roy	Assam
3	18.05.2015	Forty Six TNOU, B.Ed., Students and Seven Staff	Vidya Vikashini Special School, Coimbatore
4	08.06.2015	Ritika Sahni, Founder Trinayani, a Disability Rights Advocate, an NGO	Mumbai
5	11.07.2015	Sixty two students	Sree Dharmasastha Matriculation Higher Secondary School, Villankurichi, Coimbatore
6	13.08.2015	Fourteen MSW students and one faculty	Ramakrishna Mission Vidyalaya Arts & Science College
7	30.09.2015	Forty three students and two faculty	Avinashilingam University, Coimbatore
8	16.09.2015	Twenty one students and two Staff	Hindustan College of Arts and Science, Coimbatore
9	01.10.2015	39-Students & 4 - Staff	Karunya Christian School, Coimbatore
10	07.10.2015	14-Students & 2 - Staff	Vidyasagar College of Arts & Science, Udumalpet
11	08.10.2015	33-Students & 2 - Staff	Nehru College of Arts & Science College, Coimbatore
12	12.11.2015	Mrs. S.I. Seethalakshmi	Singapore
13	12.11.2015	Dr. Vivek	Bangalore
14	01.12.2015	Seventeen students and one staff	Maldives Autism Association
15	03.12.2015	Forty five students and one staff	PPG College of Physiotherapy, Coimbatore
16	12.12.2015	Two staff	Enability Foundation for Rehabilitation (Assistive Technology), Chennai and IIT Madras Incubation Cell
17	15.12.2015	Ten visitors	Porebander, Gujarat
18	28.12.2015	Two Visitors	Denmark
19	22.06.2016	Mr. M. Harihara Sudhan, Correspondent,	Natchimuthu Polytechnic College, Pollachi
20	23.02.2016	Rev. Priyananda Swamini	Kuttralam

21	21.02.2016	Seventy Students and eight staff	SNS College of Education, Coimbatore
22	14.03.2016	Dr K.G. Umashankar, Director	Avinashilingam Jan Shikshan Sansthan (JSS), Coimbatore
23	18.03.2016	Eighty students and two staff	PSG College of Nursing, Coimbatore
24	21.03.2016	Seventy Students and eight staff	SNS College of Education, Coimbatore
25	28.03.2016	Thirty Teacher Trainees and two staff	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore

**Guest Lectures:** The following guest lecturers were organized:

SN	Date	Name & From where	TOPIC
1	11.04.2015	Dr. Varadarajan, Reader, National Centre for Biological Science, Bangalore	“Molecular Level Research and Disabilities”.
2	27.07.2015	Mr. S. Shankar Subbiah, Director and Accessibility Consultant, Agate Infotek Private Limited, Chennai	“Introduction to Assistive Technology for Education and Sports”
3	10.09.2015	Sri U. Manickam, (Guest Faculty - GAPEY)	'Yoga and Special Education'
4	24.09.2015	Dr. P. Pramod, Senior Scientist HOD, (SACON), Coimbatore	'Environmental Education'
5	12.012.2015	Dr. V. Unnikrishnan, (Addn. Prof of Physiology, Govt. Medical College Thrissur)	'Physiological Bases of Disability'
6	27.02.2016	Dr. Shovan Saha, Associate Professor & former Head Dept of Occupational Therapy, School of Allied Health Sciences, Manipal University, Manipal, Karnataka	“Perspectives of Low Technology Assistive Devices in Indian context”
7	23.03.2016	Ms. Jothi Thomas, MASLP Audiologist cum Speech Language Pathologist, Coimbatore Hearing Aid Centre, Coimbatore	“Speech for Children with Hearing Impairment”

## 8.6. Visits to Faculty for Agricultural Education and Research (FAR):

### VISITORS to FAR:

- Dr. C. Ramasamy, Former Vice Chancellor of TNAU and Emeritus Professor delivered a Lecture on ‘The Activities of World Trade Organization (WTO)’ at the Study-cum-Examination hall of VHS Gurukulam, Ramakrishna Mission Vidyalaya. This is as part of the course “Fundamentals of Agri Business Management “of RKMVUFAR.



## 9. Visits by RKMVU’s students/faculty members to universities/ research institutes/ educational places in India:

### 9.1. Department of Mathematics:

- i) **Samik Basu visite** (a) IISER Mohali - May, 2015; (b) IISER Trivandrum - May - June, 2015; (c) TIFR - January, 2016; (d) IIT Bombay - January, 2016.



ii) **Somnath Basu** was an invited speaker for Workshop on Geometry & Topology at HRI, Allahabad during November 2015.

iii) **Kingshook Biswas** visited (a) TIFR – August 2015 and (b) was an invited speaker for Workshop on Geometry & Topology at HRI, Allahabad during November 2015.

## 9.2. Faculty of Integrated Rural Development and Management (IRDM), Narendrapur: Visit to other institutions etc. by students/faculty:

Dates	Place of visit
<b>Students' visit</b>	
29.05.2015	SOS village at Salt Lake, Kolkata
11.09.2015	National Bureau of Soil Science and Land Use Planning (NBSS/LUP), Salt Lake
07.10.2015	Sanlaap, an NGO working in the field of child trafficking
08.10.2015	Central Institute of Fisheries Education (CIFE), Salt Lake City, Kolkata
18.11.2015	ICDS Centre of RKMLSP
20.11.2015	Sri Ramkrishna Ashram, Nimpith
02.12.2015	Model sanitation village of Tamralipta Guchha Samity in East Midnapore
<b>Faculty Visits</b>	
Several times	Netaji Subhash Open University, Kolkata
Several times	Barasat State University, North 24 Parganas, West Bengal
25-26 June 2015	ASEPAN, Visva-Bharati University
22-27 April 2015	Indian Council of Agricultural Research- Indian Institute of Farming System Research (ICAR-IIFSR) at Modipuram, Meerut, UP
26 Nov. – 23 Dec. 2015	UGC-HRDC of Jadavpur University
4-5 March 2016	Dept. of Lifelong Learning and Extension, Visva-Bharati University
10 August- 8 Sept. 2015	UGC-HRDC of University of Calcutta
5 February 2015	Sociological Research Unit, Indian Statistical Institute, Kolkata

## 9.3. Faculty of Integrated Rural and Tribal Development and Management (IRTDM), Ranchi:

**Visit:** During 2015-16 the ARTD students and faculty members visited different institutions/organisations for educational purpose i.e. attending or presenting seminar etc. are as follows:

### **Dipankar Chatterjee (Assistant Professor):**

(i) Indian Anthropology Congress 2015(12<sup>th</sup> INCAA Congress) on Tribal Transformations in Contemporary India: Issues and Challenges at Dept. of Anthropology, **Utkal University, Bhubaneswar**, 21-23 February, 2015.

(ii) 45<sup>th</sup> Annual Conference of The Indian Anthropological Society on *Anthropology and Human Welfare* at **University of Calcutta, Kolkata**, 23-25 May, 2015.

### **Rudrajit Sarkar (Research Scholar):**

(i) National Seminar on Environmental Degradation: Challenges and Remedies organized by Department of Geography, Nirmala College, Ranchi on November 5-6, 2015. [Paper presented “*Environmental degradation and villagers' perception: A case study of abandoned stone-mines of Pakur district of Jharkhand*”]

(ii) National Seminar on “Indigenous Knowledge System and Sustainable Livelihood for the Tribal” organized by The Institute of Social Research and Applied Anthropology at Bidisha, West Bengal on December 7-8, 2015. [Paper presented “*Indigenous Farming Practices of the Tribes of Santhal Paragana: A Review*”]

(iii) National Seminar on “Sustainable Agriculture, Food Security and Better Environment” organized by Department of Agronomy, Bidhan Chandra Krishi Viswavidyalaya, West Bengal on December 17-18, 2015. [Paper presented, “*Sweet Potato as a Potential Food Crop for the Tribes of Jharkhand: A review study*”]

### **Dibyajyoti Nag (Research Scholar):**

- (i) National Seminar on “Indigenous Knowledge System and Sustainable Livelihood for the Tribal” organized by The Institute of Social Research and Applied Anthropology at Bidisha, West Bengal on December 7-8, 2015. [Paper presented “Poultry for livelihood improvement of the tribal: Cases from Ranchi, Jharkhand”].
- (ii) National Seminar on Environmental Degradation: Challenges and Remedies organized by Department of Geography, Nirmala College, Ranchi on November 5-6, 2015. [Paper presented “Sustenance of Forest dependent Tribal livelihood: Cases from Ranchi, Jharkhand”].

**Atanu Deb (Research Scholar):**

- (i) National Seminar on “Indigenous Knowledge System and Sustainable Livelihood for the Tribal” organized by The Institute of Social Research and Applied Anthropology at Bidisha, West Bengal on December 7-8, 2015. [Paper presented “Interfacing the indigenous technical knowledge: cases from the Family Farms of East Singhbhum, Jharkhand”].

**Ajeet Kumar (Student, 10<sup>th</sup> semester):**

- (i) 6th International conference on Plant, People and Pathogen. NASC complex, ICAR, New Delhi. 23 - 27 February. [Paper Presented: “Studies on efficacy of bio-formulation selectively active against Trichoderma for the management of green mould disease of edible mushroom”. (Poster)]



*Students of ARTD presenting seminar*



**Meeting with the villagers by IRTDM, Ranchi Students for Participatory interactions.**

**9.4. Faculty Centre for Agricultural Education and Research (FAR):**

Students of FAR Visited Tamil Nadu Agricultural University as part of the Course/Curriculum

**Visits:**

- First year B.Sc. (Ag) students visited the Millets Breeding Station, Eastern block-Farm and Wetlands, Tamil Nadu Agricultural University to study about the cultivation aspects as well as the importance of cereals, millets and Integrated farming systems for wetlands and garden lands on 20.11.2015 as part of the courses “Principles of Agronomy and Agricultural Heritage” and “Introduction to Agricultural Botany”.



- The first year B.Sc (Ag) students also visited the Radio isotope laboratory, TNAU to study about the radio-analytical equipments on 20.11.2015 as part of the course “Principles of Analytical Chemistry”.
- Second year B. Sc. (Ag) students visited the Departments of Agronomy, Animal Husbandry, Farm Machinery, Agricultural Entomology, Nematology and Plant Pathology, Tamil Nadu Agricultural University to study about the latest trends and technologies in Agriculture and Agricultural Engineering on 24.11.2015 as part of the course curriculum.



- The second year B. Sc. (Ag) students visited the Poultry Hatchery Farm (M/s. S.V. Farm) at Idikarai on 01.12.2015 to study about the functioning of incubator and hatching of chicks, as part of the course “Livestock and Poultry Production Management”.
- As part of the Horticulture course, “Production Technology of Fruits and Plantation Crops”, all the second year B. Sc. (Ag) students along with 3 staff members visited State Horticulture Farm, Kallar on 02.12.2015 and gained knowledge on various sub-humid and humid zone fruit crops, spices and plantation crops. Practical demonstration on propagation and post-harvest preservation methods were explained during their visit.



- The second year B. Sc. (Ag) students visited the Mahaveer Model Dairy Farm at Thirumalainaickenpalayam Village on 03.12.2015 to study about the functioning of milking machine and



dairy farm infrastructure as part of the course “Livestock and Poultry Production Management”.



- First year B.Sc. (Agri) students visited Idikarai village, to study about the implementation of rural development programmes, as part of the course “VU-AEX 101 - Dimensions of Agricultural Extension” on 20.04.2015 and 23.04.2015.
- B.Sc. (Agri) students and two staff members visited TNAU orchard on 11.06.2015 as part of the course ‘Fundamentals of Horticulture’. They went around orchard to know about the cultural aspects of horticultural crops.



- As part of the course ‘Crop physiology’ the students had practical session on growth regulator spray on 13.06.2015. Demonstration on crop response to plant growth regulators was practiced by them using foliar spray of Brassinolide and NAA growth hormone for induction of flowering.



- B.Sc. (Agri) students accompanied by 3 staff members visited the Waste Water Treatment Plant, Vellalur Waste Yard, Ukkadam (Green Boomi) on 25.06.2015.



- The first and second year B.Sc. (Agri) students visited Selvapuram village, to identify the problems faced by the farmers in Agriculture as part of the courses “AEX 101 - Dimensions of Agricultural Extension and AEX 201- Fundamentals of Rural Sociology and Educational Psychology” from 24.08.2015 to 27.08.2015.
- First year B.Sc. (Agri) Students accompanied by a Dr. P. Anbarasan, Asst. Professor (Agrl. Extension) visited Pannimadai village to prepare the village sketch and to collect the basic data regarding the socio-economic status of the farmers on 21.09.2015 and 22.09.2015 as part of the course ‘Dimensions of Agricultural Extension’.



- First year B.Sc. (Agri) students were demonstrated about the working principle of rotavator in our IARD Crop Production cum Demonstration field.



- Selvan. Josaphatrussul, A., II B.Sc (Ag) participated in the Inter-University Badminton tournament held at SRM University, Chennai.
- Selvan. Jayasoorya, R., I B.Sc (Ag) participated in the Inter-University Chess tournament held at Amrita University, Coimbatore.
- **Veterinary Camp:** SRMVIARD and National Service Scheme (NSS), RKMVUFAR conducted Free Veterinary Camp on 26.02.2016 at Pudupudur Village of Periyanaickenpalayam block. During the Veterinary camp, the following services were provided:

1. Artificial insemination	-	7 Cattle
2. Pregnancy verification	-	9 Cows
3. Foot and Mouth disease vaccination	-	102 Cattle
4. Deworming	-	191 Sheep and Goats
5. Treatment for pet animals	-	9 Dogs and 1 Cat
6. Treatment of Poultry bird	-	1 No.

Dr. Sam Richard, Veterinary Assistant Surgeon, Rural Veterinary Dispensary, Govanur and Dr. M. Senthilkumar, Veterinary Assistant Surgeon, Veterinary Dispensary Thudiyalur of the Department of Animal Husbandry, Coimbatore extended technical help. M/s. Virbac Animal Health Division sponsored the medicines. Officials of M/s. Virbac Company also participated in the camp. M/s. Bharath Agencies, Coimbatore sponsored vaccines.

- Revered Swami Abhiramanandaji Maharaj, Secretary, Ramakrishna Mission Vidyalaya and Administrative Head, RMVU, Faculty Centre for Agricultural Education and Research inaugurated the camp and blessed the occasion. Swami Tatprabhanandaji Maharaj, Assistant Administrative Head, RKMVUFAR was also present.



#### **The following activities were carried out as part of the NSS programme of FAR**

- The second year B.Sc. (Ag) students visited the “United orphanage” for the mentally disabled at Saravanampatti on 1<sup>st</sup> March 2016. The second year students donated Rs. 1700/- to the orphanage.



- The first year B.Sc. (Ag) students attended the cleaning work in Veera Kaliyamman temple at Poondi on 2<sup>nd</sup> March 2016 in which garbage and plastics were removed around the temple.



#### **MANAGING COMMITTEE MEETING:**

- The Second Board of studies meeting of RKMVU FAR was conducted on 13.06.2015. Revered Swami Tatprabhanandaji Maharaj, Asst. Administrative Head, RKMVU FAR chaired the meeting. Rev. Swamiji welcomed and initiated the meeting. 17 members attended the BoS meeting.



- The Second Academic Council meeting of RKMVU FAR was conducted on 16.06.2015. Revered Swami Abhiramanandaji Maharaj, Administrative Head, RKMVU FAR chaired the meeting. Rev. Swamiji welcomed and initiated the meeting. 7 members of RKMVU FAR attended the Academic Council meeting. The minutes of the 2<sup>nd</sup> Board of Studies meeting were approved.

#### **MISCELLANEOUS**

- Dr. M. Dhakshinamoorthy, Retired Professor (Soil Science), Tamil Nadu Agricultural University, donated Rs.25,000/- to our RKMVU FAR.
- Thiru Shanmugavel, Motor Vehicle Inspector, RTO office Mettupalayam visited FAR on 27.01.2016 in connection with the approval for the registration of our college bus.
- Purchased 3 nos. of smart boards, one for our IARD, and 2 nos. for FAR. The demonstration was conducted on 01.02.2016 for our staff members about the usage of smart boards in interactive teaching.
- M/S. Sakthi Finance, ABT Services and Kumaraguru College of Technology (KCT), Coimbatore Jointly donated a 60 seater TATA Motor bus for our RKMVUFAR. The bus was donated to us on 21.03.2016 during the Founders Day Celebration at KCT, Saravanampatti, Coimbatore. Dr. B.K. Krishnaraj Vanavarayar, Chairman, Sri M. Balasubramaniam, Correspondent, Sri Sankar Vanavarayar, Deputy Correspondent of KCT, handed over the bus key and the Certificate of Registration of the bus to Swami Tatprabhanandaji Maharaj, Assistant Administrative Head, RKMVUFAR.



#### **Clean Vidyalaya Campaign**

- RKMVUFAR students attended the cleaning work as part of the NSS programme on June 09, 16, Sept. 01, 15, Oct. 01, 15, Nov. 20, 2015 and Feb 03.08, 2016 at different places.
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## **10. Funded projects:**

### **10.1. Department of Physics: Funded project-**

- i) FIST (level I) grant of Rs 96,00,000/- for equipments, books, computer and networking in the Department of Physics; Funding Agency: Department of Science and Technology, Principal investigator: Prasanta Kumar Mukherjee (ongoing)
- ii) Atomic Structure Calculations: Effect of External Plasma and Spatial Confinement. Duration: 1 March 2013 to 28 Feb 2017 Grant Sanctioned: Rs. 30,00,000/-, Funding Agency: Department of Science and Technology, Principal investigator: Prasanta Kumar Mukherjee, Co-Investigator: Dr Abhijit Bandyopadhyay (ongoing)

### **10.2. Department of Mathematics: Funded project-**

- i) Prof. Samik Basu was awarded an NBHM research grant March 2016 onwards for 3 years.

### **10.3. Faculty of Integrated Rural Development and Management (IRDM), Narendrapur:**

**Projects that are currently underway in the department are as follows:**

<b>Sl. No.</b>	<b>Project</b>	<b>Period</b>	<b>Persons responsible</b>	<b>Fund (Rs.)</b>
1	Study on Bamboo <i>in-vivo</i> and <i>in-vitro</i> growing in South Bengal through morphological and molecular approaches, In collaboration with West Bengal State Council of Science and Technology (WBSCST)	2012-15	<b>Principal Investigator:</b> Dr. Md. Nasim Ali <b>Co- Principal Investigator:</b> Dr. Maitreyi Banerjee, Senior Scientist, WBSCST	26.98 lakh
2	Improved Quality of Rural Life through Scientific Management of Natural Resources Funded by – Department of Science and Technology, Government of India	2013-16	<b>Principal Investigator:</b> Dr. Rupak Goswami <b>Co- Principal Investigator:</b> Dr. Md. Nasim Ali	22.04 lakhs
3	Tissue Culture for Micro-propagation funded by Department of Horticulture, Government of West Bengal	-	Dean, IRDM Faculty Centre	94 Lakhs
4	Anti tumor efficacy of Black Tea Polyphenols	2014-16	Principal Investigator: Dr. Amitava Chatterjee Co- Principal Investigator: Dr. Md. Nasim Ali	28.09 Lakh
5	In search of potential tumor marker	2014-17	Principal Investigator: Dr. Amitava Chatterjee Co- Principal Investigator: Dr. Md. Nasim Ali	18.46 lakh

### **10.4. Faculty of Disability Management and Special Education (FDMSE)-Funded projects:**

A Post Doctoral Fellowship Project sponsored by Department of Science and Technology under Cognitive Science Research Initiative (CSRI) on "**Executive Functions in preschool-aged Indian children**". The project was undertaken by the Faculty of Disability Management and Special Education, during March 2012.

- FDMSE conducted a research project on corpus creation in Indian Sign Language (ISL) in collaboration with Central Institute of Indian Language (CIIL), Mysore, an organization fully governed by MHRD, Govt. of India. Keeping the needs of persons with deafness in view, CIIL took initiative to create corpora in ISL. Since FDMSE, RKMVU is the pioneer institute in the field of Sign language; the faculty was entrusted with the responsibility of carrying out this project. The main objectives of this research project were as follows:

- ✓ To advice Central Govt. for recognition of ISL as a language of minority.
- ✓ To provide digital video data this can function as standard reference for ISL researchers and teachers.
- ✓ To create metadata about the ISL corpora.
- ✓ To create an evidence base for ISL research and teaching, helping to answer many questions and begin to ask new ones.

## **11. Conferences, seminars, workshop, camps etc.**

**11.1. Department of Mathematics:** Prof. Samik Basu organized a conference on Topology, at ISI, Kolkata- Dec, 2015.

**11.2. Department of Physics:** The department conducted seminars, conference, workshop, camps etc. are-

(i) SERC School on Topology and Condensed Matter Physics, November 23 – December 12, 2015.

(ii) Seminar: Date: 11 February 2016, Title: Atomic structures of fun-doped and doped (0001) surfaces of the topological insulator Bi<sub>2</sub>Se<sub>3</sub>, Speaker: Sumalay Roy, Max Planck Institute of Microstructure physics, Halle, Germany

(iii) Seminar: Date: 28 January 2016, Title: The Universe – as seen by Planck, Speaker: Soumen Basak, SISSA, Trieste, Italy.

(iv) Seminar: Date: 7 January 2016, Title: Interaction of atoms with twisted light and electrons, Speaker : Stephan Fritzsche, University of Zena, Germany

(v) Seminar: Date: 6 January 2016, Title: Multipole mixing and polarization effects in the x-ray emission from highly-charged ions, Speaker: Stephan Fritzsche, University of Zena, Germany

(vi) Seminar: Date: 18 December 2015, Title: Multipole mixing and polarization effects in the x-ray emission from highly-charged ions, Speaker: Deepak Kar, University of Witwatersrand, South Africa

(vii) Seminar: Date: 24 September 2015, Title: Dynamics of molecular motors and diffusive proteins interacting with polar filaments, Speaker: Debajit Goswami, Saarbrücken, Germany

(viii) Seminar: Date: 17 September 2015, Title: Ultracold Rydberg atoms in an optical lattice, Speaker: Subhasis Sinha, IISER Kolkata

(ix) Seminar: Date: 3 September 2015, Title: Complexity of the Quantum Universe Speaker: Arundhati Dasgupta, University of Lethbridge

(x) Seminar: Date: 8 July 2015, Title: Unitarity, Crossing Symmetry and Duality of the S-matrix in large N Chern-Simons theories with fundamental matter, Speaker: Sachin Jain, Cornell University

## **11.3. Department of Computer Science:**

Conference on Algorithms and Discrete Applied Mathematics (CALDAM) 2016 jointly organised with University of Kerala, Thiruvananthapuram from February 18-20, 2016 at University of Kerala, Thiruvananthapuram.

## **11.4.A. Department of Sanskrit studies: Seminars, workshop, conferences, camps etc.**

(i) **National Seminar on Vedanta** conducted in the department from 18 and 19 August 2015. Chief guest in the seminar was Prof. Dr. K.E.Devanathan, VC, Sri Venkateswara Vedic University, Tirupati. Other dignitaries were Revered Swami Suhitanandaji maharaj, General Secretary, Ramakrishna Mission & Ramakrishna Math, Belur Math, Swami Atmapriyananda, Vice Chancellor, Ramakrishna Mission Vivekananda University. Daily average no of participants were 500. Topics discussed by dignitaries and professors in the seminar were-

(a) Prof. Dr. K.E.Devanathan - □□□□□□-□□□□□□□□-□□□□□□□□ □□□□□□□□□□,





National Seminar on Vedanta 1 to 3 March 2016		
Sl	Name of the Resource Person	Topic
1	Dr.Umesh Nepal	Principles of Vishishtadvaita Vedanta as explained in Srihashya of Ramanujacharya
		Principles of Vishishtadvaita Vedanta as explained in Gita Bhashya of Ramanujacharya
		Principles of Vishishtadvaita Vedanta as explained in Upanishad Bhashya of Ramanujacharya
2	Swami Vireshananda	Highlights of Ramanujacharya's Gita Bhashya
3	Dr.Rakesh Das	Summary of each lecture in Bengali
4	Dr.Krishnamurthy Shastri	Principles of Advaita Vedanta as explained in Brahmasutra Bhashya of Sankaracharya
5	Dr.Mani Dravid Shastri	Principles of Advaita Vedanta as explained in Gita Bhashya of Sankaracharya
		Principles of Advaita Vedanta as explained in the Upanishad Bhashya of Sankaracharya
6	Dr.Rakesh Das	Summary of each lecture in Bengali
7	Prof.Anandatirtha V. Nagasampige	Principles of Dvaita Vedanta as explained in Brahmasutra Bhashya of Madhvacharya
		Principles of Dvaita Vedanta as explained in Gita Bhashya of Madhvacharya
		Principles of Dvaita Vedanta as explained in the Upanishad Bhashya of Madhvacharya
8	Prof.Ramachandra G.Bhat	Sri Ramakrishna-samnvaya-bhava
9	Swami Swaprabhanandaji Maharaj	Valedictory Address
10	Dr.Rakesh Das	Summary of each lecture in Bengali



***Manasollsini Programme of Sanskrit Department at RKMVU Medha Bhavan***

**11.3.(B) Seminars, conferences, camps etc. attended by RKMVU students & faculties in other universities/Institutes:**

Seminars/Workshop attended by students of the Department				
Sl	Student Name	Seminar/ Workshop Attended	Place	Date
1	All students	National Seminar on '□□□□□□□□□□□□□□□□'	Department of Sanskrit, Ramakrishna Misison	28 April

Seminars/Workshop attended by students of the Department				
Sl	Student Name	Seminar/ Workshop Attended	Place	Date
		□□□□□□□□□□	Vidyamandira	2015
2	Malay Porey	National Level Seminar on □□□□□□□□□□□□□□□□ □□□□□□□□	Howrah Sanskrit Sahitya Samaj, Howrah	May 2015
3	Sujit Pramanik	Workshop on “Script”	Howrah Sanskrit Sahitya Samaj, P-14, Biplabi Harendra Ghosh Sarani, Howrah, West Bengal.	July 22-23 2015
4	Nityananda Manna, Srimanta Bhadra	Workshop on Manuscriptology.	Howrah Sanskrit Sahitya Samaj, P-14, Biplabi Harendra Ghosh Sarani, Howrah, West Bengal.	01, 02 August 2015
5	Amit Kumar Dey, Nityananda Manna, Sujit Pramanik	Two-day National Level Seminar on Sanskrita Vidya Vaibhavam	Sanskrit collage, Kolkata-700073	27, 28 Aug. 2015
6	Amit Kumar Dey	Two Days National Level Seminar on Swami Vivekananda in Sanskrit Literature	Dept of Sanskrit, RK Mission Residential College, Narendrapur, kolkata-700103	29-30 Sept. 2015
7	Amit Kumar Dey	Four days International Conference on Vedanta entitled 22nd International Congress of Vedanta	special Centre For Sanskrit Studies, JNU, New Delhi-110067	27-30th December 2015
8	Nityananda Manna, Prosanta Barman	Faculty Improvemet Programme.	Ramakrishna Mission Institute of Culture, Golpark, Kolkata.	04 to 18th January 2016.
9	Nityananda Manna, Sujit Pramanik, Prosanta Barman	One day seminar on “Fundamentals of Vedanta for the promotion of Sanskrit Studies”.	Ramakrishna Mission Institute of Culture, Golpark, Kolkata.	12th March 2016.

### 11.3.(B) Papers presented by students and Faculties of Sanskrit Dept. at other institutions:

Papers presented by students at other institutions				
Sl	Student Name	Topic of the Paper	Seminar/ Journal	Date/ Year
1	Srimanta Bhadra	Śrīmatṣvāmīvivekānandacaritam (Śrīrāmakṣṇavāriyavaryakṛtagranthasamīkṣā)	U.G.C.-Sponsored National Seminar on “Saṃskṛtasāhitye Svāmī Vivekānandaḥ”, organized by Ramakrishna Mission Residential College, Narendrapur, Kolkata- 700103.	Sept 29-30, 2015
2	Amit Kumar Dey	□□□□□□□□□□ □□□□□□□□□□□□	22nd International Congress of Vedanta. JNU, Delhi-110067	28 Dec. 2015
3		□□ □□□□□□□□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□	UGC Sponsored Two days National Level Seminar on Swami Vivekananda in Sanskrit Literature. RKM Residential Collage, Narendrapur, Kol-700103	29 Sept. 2015

		□□□□□□□□□□ □□□□□□□□□□□□ □□□□		
4		□□□□□□□□□□□□ □□□□□□□□□□	Two days Darshana Conference at Howrah Sanskrit Sahitya Samaj. Howrah-711101	12 Sept. 2015
<b>Papers presented by Faculties at other institutions</b>				
1	Dr. Gopikrishnan Reghu	Sanskrit and Social Reform movements	National Seminar on Sanskrit and National Integration Organized by Koyilandi Regional center , Sree Sankaracharya University of Sanskrit Kalady	March 2016
2		vyākaraṇādhyāyane vaṅgadeśasya anupamamavadānam- siddhāntakaumudīvyākhyā mitabhāṣiṇī	National seminar on 20th century Sanskrit studies in bengal Organized by Dept. of Sanskrit, University of Gour Banga, Malda	September October 2015
3		bhāratavivekam- vivekānandajīvanāghāritamad vitīyaṃ saṃskṛtanāḍakam	National seminar on saṃskṛtasāhitye vivekānandaḥ Organized by Dept. of Sanskrit, RKM Residential autonomous college, Narendrapur	September 2015
4		Samgaṇakasamskṛtavidyāvai bhavam	National seminar on saṃskṛtavidyāvai bhavam Organized by Govt. Sanskrit college, Kolkata	August 2015
5	Nagaraja Bhat	□□□□□□□□□□□□ □□□□ □□□□- □□□□□□□□(□□□□□ □□□□□□□□□ □□□□□□□□□)	National Seminar On Vedanta, Organized by RKMV UNIVERSITY Belur Math & Sri Venkateswara Vedic University Tirupati	18-19 August 2015.
6		□□□□□□□□□□□□	Seminar On <b>Fundamentals of Vedanta for The Promotion of Sanskrit Studies</b> , Organized by The Ramakrishna Mission Institute of Culture Golpark Kolkata	12 <sup>th</sup> March 2016
7	Nagaraja Bhat	□□□□□□□□□□□□ □□□ □□□□- □□□□□□□□(□□□□□ □□□□□□□□□ □□□□□□□□□)	National Seminar On Vedanta, Organized by RKMV UNIVERSITY Belur Math & Sri Venkateswara Vedic University Tirupati	18-19 August 2015.
8		□□□□□□□□□□□□	Seminar On <b>Fundamentals of Vedanta for The Promotion of Sanskrit Studies</b> , Organized by The Ramakrishna Mission Institute of Culture Golpark Kolkata	12 <sup>th</sup> March 2016

**Papers presented by Faculties of Sanskrit Dept. at other institutions:**

**Paper Published:**

Papers Published in Journals				
Sl	Student Name	Topic of the Paper	Journal	Date/ Year



Papers Published in Journals				
Sl	Student Name	Topic of the Paper	Journal	Date/ Year
1	Srimanta Bhadra	Vaiyākaraṇasiddhānta-kaumudīsthapūrvārdha-prakaraṇavaiśiṣṭyaṃ Tatkrāmamāhātmyaṇca	Prajñānam, Vol- II &III, Ramakrishna Mission Vivekananda University, Belur Math, Howrah, <b>ISSN : 2278-4578</b>	2015
2	Srimanta Bhadra	Śābdikanikāye Jātisvarūpam	Sārasvatī, Vol- I, Ramakrishna Mission Vidyamandira, Belur Math, Howrah - 711202, <b>ISSN : 2321-9072</b>	2015
3	Srimanta Bhadra	Śābdikanikāye Kālasvarūpam	Prācyamañjūṣā, Vol- 16 &17, Baijanath Sharma Prachya Vidya Sodha Sansthan, Hathras, Uttar Pradesh, <b>ISSN : 2393-8552</b>	2015
4	Malay Porey	□□□□□□□□□□□□ □□□□□□□□□□□□ □□ □□□□□□□□□□□□	□□□□□□□□□□, Ramakrishna Mission Vivekananda University, Belur Math, Howrah. <b>ISSN- 2278 4578</b>	July, 2015
5		□□□□□□□□□□□□	□□□□□□□□□□□□□□, Pt. Baijanath Sharma Prachya Vidya Shodha Sansthan, Hathras, U.P. <b>ISSN- 2393 8552</b>	July, 2015
6		□□□□□□□□□□□□□□ □□	□□□□□□□□□□□□, Peer Reviewed Referred Research Journal, All India Sanskrit Gavesana Parisad, <b>ISSN – 2321 0427</b>	July, 2015
7		□□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□	□□□□□□□□□□□□□□□□, Peer Reviewed Yearly Research Journal, Sikshanamandira, Belur Math, Howrah. <b>ISSN - 2393-8641</b>	
8		□□□□□□□□□□□□□□ □□□□	The Journal Of Sanskrit Academy, Recognized by Rashtriya Sanskrit Sansthan, Osmania University Campus, Hyderabad, 07. <b>ISSN- 0976 089X</b>	
9	Prosanta Barman	Brahmasutraracayitrinirnayah	Dhimahi, Vol- VI, Chinmaya International Foundation Sodha Sansthan, Adi Sankara Nilayam, Veliyanad, Ernakulam, Kerala, India <b>ISSN : 0976-3066</b>	2015
	<b>Facuties' Name</b>			
10	Nagaraja Bhat	□□□□□□□□□□□□ □□□□□□□□□□□□	Published in <b>Research Journal of “Sanskritam &amp; Samskriti-SHRUTISHOBHA”</b> , Volume-2, Issue-2ISSN-2348-1102, Published by Veda Vijnana Shodha Samsthanam Bangalore	April 2015
11		□□□□□□□□□□□□□□ □□□□- □□□□□□□□□□□□□□ □□□□□□□□□□ □□□□□□, □□□□□□□□□□□□□□ □□ □	Published in <b>Research Journal of PRAJNALOKA</b> , ISSN-2320-5911, Published by RKM VivekanandaUniversity Belur Math.	July 2015
12		□□□□□□ □□□□□□□ □	□□□□□□□□ published by Gour Banga University, Malda	2016
13		□□□□□□□□□□□□	20-21 joint issue of Kathāsarit (ISSN -	June, 2015.

Papers Published in Journals				
Sl	Student Name	Topic of the Paper	Journal	Date/ Year
		□□□□□□□□□□ (□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□ □□□□□□□□)	0976-4453)	

#### 11.4. Faculty of Integrated Rural Development and Management (IRDM):

(i) Two-day National Seminar on “Resource based inclusive Agriculture and Rural Development: Opportunities and Challenges” was held at the IRDM Faculty Centre of Ramakrishna Mission Vivekananda University during 15-16 January, 2016.

#### 11.5. Faculty of General and Adapted Physical Education (GAPEY):

- **List of conferences, seminars, camps, guest lectures etc. conducted by the department**  
**Seminars:**

(i) State Level Workshop on “Archery, Carrom, Chess, Taekwondo and Tennikoit” was organised on 15<sup>th</sup> & 16<sup>th</sup> August 2015

(ii) Our Faculty jointly organized with FGAPPEY & FDMSE a National Conference on “Practices Challenges Encountered in Implementing Policies related to Special Education, Sports and Adapted Games” on 05<sup>th</sup> & 06<sup>th</sup> February 2016

**Camps Conducted:** (i) Football Camp; (ii) Kalari Camp; (iii) Yoga Camp; and (iv) Adapted Sports & Games for Disabled

#### 11.6. Faculty of Disability Management of Special Education (FDMSE)- Conferences, seminars etc.:

(i) The faculty organized a sensitization program for parents of children with intellectual disability on “Training in Various Adaptive Skill Areas” on 7 April 2015. Thirty parents of children with intellectual disability attended the program. The faculty members and B.Ed. teacher trainees were the resource persons for the program.

(ii) An UGC sponsored a 2-day National Seminar on “Sensitization of Teacher Educators on RTE Act 2009: Overcoming the Current and Future Problems” was organized, by Sri Ramakrishna Mission Vidyalaya College of Education, Coimbatore in collaboration with the Faculty of Disability Management and Special Education, Ramakrishna Mission Vivekananda University on 24 – 25 April 2015 at the GKD Auditorium, Vidyalaya Campus.

(iii) A 5-day bridge course was conducted for all the teacher trainees of D.Ed., B.Ed., & M.Ed., Special Education courses was held from 15 to 21 July 2015. The Valedictory function of the Bridge course was held on 21 July 2015. Br. Paramarthachaitanya, Asst. Administrative Head, FDMSE delivered the valedictory address.

(iv) One Day Workshop on “Safe & Independent Mobility and Other Assistive Technology Solutions for Persons with Visual Impairment” was jointly organized by FDMSE, RKMVU, Saksham Charitable Trust, New Delhi & IIT Delhi on 11.08.2015 at FDMSE premises. Sri Piyush Channa, Project Associate, Smart Cane Project, ASSISTECH, IIT Delhi was the resource person of the workshop. 23-participants (male-08; female-15) including the staff members and students of Department of Visual Impairment, parents of children with Visual Impairment attended the workshop.

(v) A 5-Day training program on “Teaching Geometric Theorems to Children with Visual Impairment” was organized at FDMSE in collaboration with NIVH, Dehradun from 26<sup>th</sup> to 30<sup>th</sup> September 2015. Totally 31 Special Educators (20-female and 11-male) participated in the training program.

(vi) Three day In-Service Training and Sensitization Program about ‘Disability among key functionaries-Teachers and Principals of Government and Non-Government Institutions’ was inaugurated on 23 November 2015 at RKMVU-FDMSE. 33 participants attended the program. (25-Female; 8-Male).

(vii) A 5-day CRE program was organized by FMDSE on “Physical Education, Recreation, Leisure and Sports for Persons with Disabilities” approved by RCI, New Delhi from 5-9 January 2016. Total 30 special educators (Male-05, Female-25) from Tamil Nadu & Kerala attended the CRE Program.

(viii) Two Day National Conference on “Practices and Challenges Encountered in Implementing Policies related to Special Education, Sports and Adapted Games” was organized by RKMVU FDMSE & GAPEY on 5-6 February 2016. Totally 27 papers were presented during the Conference.

### 11.7. Faculty of Computer Science Applications and Research (FYCSAR):

#### Students Activities- Participation in Conference, Symposium, Seminar etc.

- M.Mohanraj, II M.Sc(CSA) Student participated in “ **National Conference on Emerging Computer Technology** ” conducted by Department of Computer Studies, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore on 22 Sep 2015.
- Sri V.Naveen and A.Elango of III M.Sc(CSA) won **II<sup>nd</sup> prize in Poster Design** event in the National Level Technical Symposium "XAVION'16" conducted by Pioneer College of Arts and Science, Coimbatore on 30<sup>th</sup> Jan 2016.
- **Two** Students of M.Sc(CSA) participated in the **Poster Design** event on A National Level Technical Symposium "XAVION'16" conducted by Pioneer College of Arts and Science, Coimbatore on 30<sup>th</sup> Jan 2016.
- **Two** Students of M.Sc(CSA) participated in the **Word Hunt** event on A National Level Technical Symposium "XAVION'16" conducted by Pioneer College of Arts and Science, Coimbatore on 30<sup>th</sup> Jan 2016.
- **Six** Students of M.Sc (CSA) participated in the **Debugging** event on A National Level Technical Symposium "XAVION'16" conducted by Pioneer College of Arts and Science, Coimbatore on 30<sup>th</sup> Jan 2016.
- Four Students of III M.Sc(CSA) were participated in One day National Workshop on "**Open Source Network Simulation Tools for Wireless Sensor Networks**" organized by the Department of Electronics and Communication System, Karpagam University, Coimbatore on 12<sup>th</sup> Mar 2016.
- Two Students of II M.Sc(CSA) were participated in One day Workshop on "**Cyber Security**" organized by the Department of Computer Science & Engineering, Kumaraguru College of Technology, Coimbatore on 19<sup>th</sup> Mar 2016.
- The following video presentation was shown for M.Sc(CSA) student.

S.No	Title	Date
1	Microsoft 2020 technology future vision	20 Mar 2016
2	Boston dynamics on Robotics	26 Mar 2016

### 11.8. Faculty Center for Agricultural Education and Research (FAR)

SRMVIARD and National Service Scheme (NSS), RKMVUFAR conducted Free Veterinary Camp on 26.02.2016 at Pudupudur Village of Periyanaickenpalayam block.

Dr. Sam Richard, Veterinary Assistant Surgeon, Rural Veterinary Dispensary, Govanur and Dr. M. Senthilkumar, Veterinary Assistant Surgeon, Veterinary Dispensary Thudiyalur of the Department of Animal Husbandry, Coimbatore extended technical help. M/s. Virbac Animal Health Division sponsored the medicines. Officials of M/s. Virbac company also participated in the camp. M/s. Bharath Agencies, Coimbatore sponsored Vaccines.

## **12. Publications by the University:**

### **12.A. Books, Book-chapters and Journals:**

#### **12.A.1. The following books were published by the University Belur Math Main Campus:**

- (1) *Sri Ramakrishna- Navayuger Dharmsthapak*; (Bengali Translation of ‘Sri Ramakrishna- a Prophet for the New Age’ by Richard Schiffman; Translated by Shoutir Kishore chattopadhyay)
- (2) *Srimat Swami-Vivekanandacharitam*, Sanskrit translation of Swami Vivekananda’s Life, by Shri Ramakrishna warrior.
- (3) *Santana*; (Bengali translation from the letters of Swami9 ranmakrishnananda; Translated by Sima Dutta)
- (4) *Jogabhyas Prabesika*; Bengali translation of Swami Siddheswaranandaji’s book “Meditation according to Yoga-Vedanta” , Translated by Smt. Sumana Saha, Editor: Mallika Clair Gupta.
- (5) *Sahasranamastotravali*; (In Bengali script)
- (6) *Stotramala*; (Sanskrit Stotras in Bengali script)
- (7) *Prajnaloka*- Annual Issue of the Sanskrit Research Journal containing papers by various scholars including research students.
- (8) *Vivekdiśā Vijñānkathā*: Part-II, in Bengali by Swami Divyasukhananda, Parthasarathi Majumdar.
- (9) Five books were translated into Armenian language from English by Swami Chidvikashananda and published are (i) My Master, (ii) Karma Yoga, (iii) Bhakti Yoga, (iv) Raja Yoga and (v) Jnana Yoga of Swami Vivekananda.

#### **12.A.2. Department of Sanskrit studies: Publication of books**

**Author-Vidwan Dr.Venkataramana Bhat**, Assistant Professor, dept. of Sanskrit, RKMVU.

(i) *Brahmānanda* a book in Kannada on practical application of Vedanta published by Tonse Pai Family, Tonse, Kallianpur, South Canara.

(ii) *Purāṇaloka* an introductory book on Various Puranas in Kannada published by brahmaśrī mittūru purohita timmayya bhaṭṭa sampratīṣṭhāna, Idkidu, South Canara and edited by Dr.Padekallu Vishnu Bhatta.

#### **12.A.3. The following books were published by the staff members of the IRDM Faculty Centre, Narendrapur:**

##### **Books-**

i) Goswami, R., and Basu, D. (2015). Farmer-to-farmer communication for sustainable rural livelihoods: The theoretical bases. Lambert Academic Publishing, Germany [ISBN: 978-3-659-81112-8]

##### **Book Chapters:**

i) Dutta, A. 2015. Sufferings of MSW Students (Distance Education) from Rural Bengal. In: *Emerging Trend of Social Work Education in India*, (ISBN No :978-93-84898-75-5), Bloom Bury Publishing India Pvt Ltd (London, New Delhi, Sidney, Newyork)

ii) Dutta, A. and Sarmadhikary, A. 2015. Impact of Migration on Children of Bhagabangola, Murshidabad: A case study. In: *Creating professionals for child development and child protection: An ODI initiative*. Netaji Subhas Open University, Kolkata.

### **12.B. Technical Papers Published in (Refereed) Journals:**

#### **12.B.1. Department of Physics:**

i) Magnetic dipolar and quadrupolar transitions in two-electron atoms under exponential-Cosine-screened Coulomb potential, Lucas Modesto-Costa, Sylvio Canuto , Prasanta K. Mukherjee, Phys. Plasmas, 22, 032902 (2015 )

ii) Theoretical study of the spectral shift of the absorption line of Rb and Cs in liquid helium, Lucas Modesto-Costa, Prasanta K. Mukherjee, Sylvio Canuto, Chem. Phys. Lett., 633, 256 ( 2015 )

iii) Hyperpolarizability of two electron atoms under exponential cosine screened coulomb potential, Supriya K Chaudhuri, Prasanta K Mukherjee and Burkhard Fricke, Phys. Plasmas, 22, 123120 ( 2015)



- iv) A simple model for a theoretical study of the spectral line shifts of alkali atoms attached to helium anodroplets, Sylvio Canuto, L Modesto-Costa, S Canuto, P K Mukherjee, B Fricke, Chem. Phys. Lett. 644, 142-146 (2016)
- v) A CASPT2 Study of the Spectral Shift of the Resonance Emission Lines of Rb and Cs embedded in liquid He, Lucas Modesto-Costa, Prasanta Kumar Mukherjee, Sylvio Canuto Chem. Phys. Lett., 655, 91 (2016)

### 12.B.2. Department of Mathematics:

#### Papers of Samik Basu:

S. Basu, S. Ghosh, Equivariant maps related to the topological Tverberg conjecture, to appear in Homology, Homotopy and applications.

#### Papers of Somnath Basu:

- (i) Realizing congruence subgroups inside the diffeomorphism group of a product of spheres by S. Basu, T. Farrell, Topology and its Applications, vol. 202, pp 205-215 (2016)
- (ii) Enumeration of curves with one singular point by S. Basu, R. Mukherjee  
Journal of Geometry & Physics, vol. 104, pp 175-203 (2016)

#### Papers of Kingshook Biswas:

- (i) *Positive area and inaccessible fixed points for hedgehogs*. Ergodic Theory and Dynamical Systems, FirstView Article pp 1-12. Cambridge University Press, 2015. DOI: <http://dx.doi.org/10.1017/etds.2014.143>  
Published online by Cambridge University Press: 13 April 2015
- (ii) *Caratheodory convergence of log-Riemann surfaces and Euler's formula* (with Ricardo Perez-Marco). Contemporary Mathematics, Volume 639, 2015, pg 197-203. DOI: <http://dx.doi.org/10.1090/conm/639>
- (iii) *Uniformization of simply connected finite type log-Riemann surfaces* (with Ricardo Perez-Marco). Contemporary Mathematics, Volume 639, 2015, pg 205-216. DOI: <http://dx.doi.org/10.1090/conm/639>
- (iv) *On Moebius and conformal maps between boundaries of CAT(-1) spaces*. Annales de l'Institut Fourier, Tome 65, no 3 (2015), pg 1387-1422.

### 12.B.3. Department of Computer Science:

- i) Sagnik Sen, SwathyPrabhu mj, Prantar Ghosh, Sagnik Sen, *Relative clique number of Planar signed graphs*, CALDAM-2016 (submitted to electronic nodes on discrete and applied maths journal)
- ii) Sandip Das, SwathyPrabhu mj, Sagnik Sen, *On oriented relative clique number*, LAGOS-2015 (submitted to electronic nodes on discrete and applied maths journal)



### 12.B.4. Faculty of Integrated Rural Development and Management (IRDM):

#### Technical Papers Published in Journals by IRDM faculty:

- i) Chakraborty, S., Weindorf, D. C., Li, B., Aldabaa, A. A. A., Ghosh, R. K., Paul, S., & Ali, M. N. (2015). Development of a hybrid proximal sensing method for rapid identification of petroleum contaminated soils. *Science of The Total Environment*, 514, 399-408.
- ii) Wang, D., Chakraborty, S., Weindorf, D. C., Li, B., Sharma, A., Paul, S., & Ali, M. N. (2015). Synthesized use of VisNIR DRS and PXRF for soil characterization: Total carbon and total nitrogen. *Geoderma*, 243, 157-167.
- iii) Gantait, S., Kundu, S., & Ali, N. (2015). Influence of encapsulating agent and matrix levels on synseed production of *Bacopa monnieri* (L.) Pennell. *Medicinal Plants-International Journal of Phytomedicines and Related Industries*, 7(3), 182-187.

- iv) Gantait, S., Sinniah, U. R., Ali, M. N., & Sahu, N. C. (2015). Gibberellins-a multifaceted hormone in plant growth regulatory network. *Current protein & peptide science*.
- v) Chatterjee, S., Goswami, R., Bandyopadhyay, P. (2015). Methodology of identification and characterization of farming systems in irrigated agriculture: Study in West Bengal state of India. *Journal of Agricultural Science and Technology*, 17(5):1127-1140.
- vi) Chatterjee, S., Goswami, R., & Bandyopadhyay, P. (2015). Methodology of identification and characterization of farming systems in irrigated agriculture: Study in West Bengal state of India. *Journal of Agricultural Science and Technology*, 17(5):1127-1140.
- vii) Dasgupta, P., Goswami, R., Ali, M. N., Chakraborty, S., & Saha, S. (2015). Multifunctional roles of integrated farming in small holder systems. *International Journal of Bio-resource and Stress Management*, 6(4), 424-432.
- viii) Banerjee, H., Goswami, R., Chakraborty, S., Dutta, S., Majumdar, K., & Satyanarayana, T. (2015). Farm typology-based nutrient management with respect to phosphorus in the tropical environments of eastern India. *Better Crop – South Asia*, 9(1): 8-11.
- ix) Shukla Mandal, Md. Nasim Ali and Sudipta Tripathi. 2015. Studies on vermicompost of water hyacinth and cow dung with *Eisenia fetida*, *Indian Biologist*, 47 (1). 39-42
- x) Banerjee, H., Goswami, R., Chakraborty, S., Dutta, S., Majumdar, K., Satyanarayana, T. (2015). Integrating Biophysical and Socio-economic Determinants into Field-specific Fertiliser Recommendations published in. *Better Crops–South Asia*, 8(1):18-20.
- xi) Banerjee, H., Goswami, R., Dutta, S.K., Chakraborty, S., Majumdar K. (2015). Farm Typology-based Phosphorus Management for Maize in West Bengal. *Better Crops South Asia*, 9(1):8-11.
- xii) Sil H. and Chatterjee A. (2015) Integrin Alpha-V Beta-3-Matrix Metalloproteinase-2 (MMP-2), Cross-Talk. *Journal of Cancer Therapy*, 6, 793-802. <http://dx.doi.org/10.4236/jct.2015.69087>
- xiii) Chatterjee G, Sankaranarayanan SR, Guin K, Thattikota Y, Padmanabhan S, Siddharthan R, et al. (2016) Repeat-Associated Fission Yeast-Like Regional Centromeres in the Ascomycetous Budding Yeast *Candida tropicalis*. *PLoS Genet* 12(2): e1005839. doi:10.1371/journal.pgen.1005839
- xiv) Dutta, A. and Dey, N. (2016). A Study on Destinies and Sufferings of the Trafficked Girls from Gangasagar, Sunderban, *International Journal of Management and Social Science Research Review*, 1(1), 226-235.
- xv) Halder, S., Misra, S., Pal, S., Basu, D., & Goswami, R. (2016). Understanding Agricultural Information Networks in West Bengal, India. *Indian Research Journal of Extension Education*, 16(1):25-34.
- xvi) Dutta, A. and Pal, A. (2016). A Study on Co- Existence of PRI (Local Self Government) and ‘Shalishi Sabha’ (Traditional Village Administration), Sagar Block, South 24 Paraganas District, West Bengal, *Journal of Management and Social Science Research Review*, 1(2), 116-124.

## **12.B.5. Faculty of Integrated Rural and Tribal Development and Management (IRTDM):**

### **(i) Technical Papers Published in Journals by IRTDM faculty:**

#### **Dr. Avijit Kr. Dutta:**

Sarkar, R. and **Dutta, A. K.** (2015). Sweet Potato as a Worthy Option for Rural Livelihood: A Study on Tribal Dominating Villages of Jharkhand. *Global Journal for Research Analysis*, 4(7): 435-436. [ISSN 2277-8160]

Nag, D.; Roy, P. and **Dutta, A. K.** (2015). Seasonal Potato Cultivation in Ranchi District-A Comparative Study. *Human Resource Reflection*, 2(4): 35-40. [ISSN (On Line): 2348-7518]

#### **Dr. Arunava Sengupta:**

Gender Dynamics in Agriculture: Looming Lights from the family farms of East Singhbhum, Jharkhand. *Human Resource Reflection International Journal*, Volume 2, Issue 4, July 2015.

**Dr. Punit Kumar Agarwal:**

**Agarwal, P.K.**, Singh, O.P., An Economic Analysis of Soybean Cultivation in Ratlam District of Madhya Pradesh, India, *Indian Journal of Agric. Research*, 49(4) 308-314, 2015 .

**Agarwal, P.K.**, Singh, O.P., An Economic Analysis of Soybean Cultivation in Hoshangabad District of Madhya Pradesh, India, *Indian Journal of Economics & Development*, 11(4), 869-876, 2015.

**12.B.6. Faculty of Disability Management and Special Education (FDMSE)-Published Papers:**

Sl. No.	Title of the paper	Name of Author	Name of the Journal	Year of publication
1	Efficacy of Adapted Games on Concept Formation among Children with Mild Intellectual Disability	Mr. Ratan Sarkar, M.Phil. Scholar Ms. Saumya Chandra Asst. Professor	JODMSE	July 2015
2	Variables Influencing Emotional Intelligence of Visually Impaired Students in Higher Education	Dr. S. Parween Asst. Professoer	Disability, CBR and Inclusive Development, Formerly Asia Pacific Disability Rehabilitation Journal	Spring 2015
3	Need for Development of Teacher Readiness skills in importing value Education to Children	Ms. Sampurna Guha M.Phil., Scholar	Indian journal of Research	March 2015
4	Adapted Science experimental Aids for student with Visual Impairment	Dr. J.B. Dheesha Asst. Professor	Disability, CBR and Inclusive Development, Formerly Asia Pacific Disability Rehabilitation Journal	Autumn 2015
5	Brain Behaviour Relationship & Intellectual Disability: A sense of wellness	Dr. S. Rajaguru, Associate Professor, COE-RKMV; Ms. Saumya Chandra, Asst. Professor, FDMSE-RKMVU	Global Journal of Research Analysis	February 2016

**12.B.7. Faculty of General Adapted Physical Education and Yoga (GAPEY)-Published Papers:**

Name	Title of Article	Journal
Dr. M. Srinivasan Asst. Professor	Role of physical education professionals to improve the physical education for differently abled persons	Proceedings of national conference on Challenges and rehabilitation practices for the differently abled. Pp No. 45. 2014. ISBN 978-93-5156-565-9
	Influence of yogic practice on concentration, curiosity, day-to-day experiences and personal initiative of school boys	Star Research Journal, Vol. 2, Issue 4(7), pp. 43-53, 2014. ISSN 2321-676X
	Effect of cricket drill training on the selected skill performance variables of school boys	International journal of recent research and applied studies. Vol. 1, Issue 1(4), pp. 11-14. 2014. ISSN 2349-4891
	Effect of specific table tennis training on the selected skill performance variables of school Boys	International Journal of Physical Education, fitness and sports ISSN: 2277: 5447, 2014, Vol. 3, Issue 3, pp.11-17
	Evaluation Of Physical Activity Between Men And Women School Teachers.	International Journal of Multidisciplinary Research and Development, ISSN: 2349-4182, 2014, 1(7): 255-257

Name	Title of Article	Journal
	Effect of adapted physical activities on selected psychomotor variables of children with intellectual disability	International journal of recent research and applied studies, ISSN 2349-4891 2014, Vol. 2, Issue2 (6), pp.11-14.
	Significance of sports assistive technology in Paralympic games.	Proceedings of national seminar on Assistive technology in education and sports for total inclusion of persons with disability 2015.
Dr. R. Giridharan Asst. Professor	Effect of adapted physical activities on selected psychomotor variables of children with intellectual disability	International journal of recent research and applied studies, ISSN 2349-4891 2014, Vol. 2, Issue2 (6), pp.11-14.
Dr. Dibakar Debnath Asst. Professor	Effect of yogic practices on selected physical fitness variables of students with hearing impairments	Journal of Adapted Physical Education and Yoga, Volume - 4; Issue-2; December 2014. ISSN 2229 – 4821

#### 12.B.8. Department of Bengali Studies: যান্মাসকি বঙ্গলোক, May 2015, ISSN-2349-9486

Sl. No.	Name	Topic	Name of Journal
1	Arindam Sarkar	শ্রীচৈতন্য মহাপ্রভুর সহষ্ণুতা	গণৈড়য়ি মশিন, March 2016
2	Partha Sarathi Sarkar	প্রণব রায়: বশি শতকরে বাংলা গানরে এক উজ্জ্বল অধ্যায়	যান্মাসকি বঙ্গলোক, May 2015, ISSN-2349-9486
		বভিত্তিভূষণ ও শোল খণ্ড: একটি তুলনামূলক আলোচনা	পত্র সাহিত্য পত্রিকা, August 2015, ISSN-2321-6093
		শীর্ষেন্দু মুখোপাধ্যায়রে কশির উপন্যাস; স্থান কাল পাত্র	এষণা, Dec 2015, ISSN-2321-6093
		হমেন্দ্রকুমার রায় বাংলা শশি কশির সাহিত্যে এক উজ্জ্বল ব্যক্তিত্ব	ইতিকথা এখন, January 2016, ISSN-2394-1456
3	Soumitra Kundu	B-জ্ঞান কংগ্রেসে	সংবর্ত, Octoter 2015, ISSN-2395-4140
4	Sukhendu Khatua	গজেন্দ্র কুমার মত্রিরে ছোটগল্পে মথিরে পুনঃনির্মাণ	সময় তমোক, January 2016, ISSN-2231-5802

#### 12.C. Publication of journals/ magazines/ periodicals etc.

##### 12.C.1. Faculty of Integrated Rural Development and Management (IRDM), Narendrapur:

##### 12.C.2. Faculty of Integrated Rural and Tribal Development and Management (IRTDM), Ranchi: Publication of journals/ magazines/ periodicals etc. by the Faculty-

Faculty centre published three issues of e-magazines “*Krishaka Devo Bhava*” during the reporting period.

#### 13. Other Academic Activities:

##### 13.1. Department of Sanskrit Studies:

**A) Manasollasini Programme:** Students of the department of Sanskrit conducts a unique weekly meet on Saturday called *Manasollasini*, where students showcase their talents and excellence in their chosen field of study. The whole programme is conducted in Sanskrit only. There are variety of programmes under *Manasollasini* like (i) Speech on certain topics, (ii) Reitation of poems, (iii) Debates, (iv) Quize current topics, (v) Playing short drama, (vi) General elocution, (vii) *Vakyartha* (explaining a particular topic of shashtras with power point presentation), (viii) singing songs, (ix) Essay writing, (x) Shloka writing (verses from The Gita, upanishada and other scriptures).



**(i) Special lectures series-1**, from 5 to 23 August 2015 by Dr. Divya Chetana Brahmachari familiarly known as Jata Baba, Varanasi.

**(ii) Special lectures series -2**, from 17 to 21 August, 2015 by Vidwan Dr. HV Nagaraj Rao:

(iii) **Special Lectures Series -3**, from 5 to 9 January 2016 by Vidwan Sandip Sharma on some selected texts of Nyaya.

(iv) **Special Lectures Series- 4**, from 18 to 29 January 2016 by Dr. Viswanath Dhittal on Some selected texts of Nyaya

Page 33 of 82

### C) Special Lectures by Vidwan Sri. Venkararamana Bhat, Assistant professor:

He delivered lectures on following topics at different institutions:

- i) Veda and Its Study, at Saradamba Mahapathashala, Yellapura, North Canara, on 01.06.2015
- ii) Yoga at Viswa-darshana High School, Yellapura, North Canara, Karnataka as a part of observing the Yoga Day on 21.06.2015, as per the instructions of the Government of India following the resolution of the United Nations Organisation.
- iii) Yoga at Yellapura Taluk Shikshana Samsthe (YTSS College), Yellapura, North Canara, as a part of observing the Yoga Day on 21.06.2015, as per the instructions of the Government of India following the resolution of the United Nations.
- iv) Kshetra-kshetrajna Yoga of Srimad Bhagavadgita at Sarvajnendra Pratisthana Gurukula, Sirsi, North Canara, on 22.06.2015
- v) A lecture on svāmivivekānandadr̥ṣṭyā saṃskṛtaṃ samājoddhārasādhanaṃ 30.09.2015 at the National Seminar organized by the Sanskrit Department, Narendrapur Ramakrishna Mission Autonomous Residential Degree College, Narendrapur.
- vi) A lecture on Yoga-shastra on 21.6.2016 at Saradamba Mahapathashala, Yellapura, North Canara as per the instructions of the Government of India following the resolution of the United Nations Organisation.

**D) Incorporation of Linguistics in syllabus:** Linguistics a two credit paper of 50 marks was introduced in five modules of 10hrs (carrying 10 marks) each decided in the board of studies meeting held on 18 Aug. 2015.

E) Display of Newly launched Sanskrit Department's Website 19 August 2015.

F) Release of *dīpaśikhān* e-magazine of the Sanskrit Department on 29 February 2016.

### 13.2. Department of Physics:

A 14 inch Celestron telescope has been installed in the Positional Astronomy Centre at the Department of Physics.



*Physics Dept. Telescope*



*Students at Physics Lab.*

### 13.4. Integrated Rural Development and Management (IRDM) Faculty, Narendrapur:

#### Other Academic Activities:

- i) Rural Living and Learning Experience (RLLE) of Semester-II, MSc ARD course during 16-29 March 2016
- ii) Rural Living and Learning Experience (RLLE) of Semester-III, MSc ARD course during 16-29 August 2015
- iii) Learning through Organisational Attachment (LOA) of Semester-III, MSc AgBT course during 10 September 0 October 2015
- iv) Learning through Organisational Attachment (LOA) of Semester-IV, MSc ARD course during 18 January - 12 March 2016
- v) Progress of Research presentations by PhD scholars – 26 May 2015 and 30 May 2015.

### 13.5. Integrated Rural & Tribal Development and Management (IRTDM) Faculty, Ranchi:

#### Other Academic Activities conducted under IRTDM Faculty are as follows:

**(a) Extension Activities of the IRTDM Faculty:** The IRTDM faculty centre is conducting both intensive and extensive field work for the students of to acquired the with the real life situation through participatory interactions with the villagers. Students study villages extensively, identify resources available, problems etc. The students conduct demonstrations in the farmers' field on the different aspects of organic farming.

**(b) Village & Institutional visits:** In each semester students must do educational visit to different villages and Govt. & Non-Govt. organizations/Institutions for detail study under different course. Students have visited the following villages during the reporting period – Tirlakocha, Pachraber, Beyang, Chanpi, Gutigara, Lepsar Badri, Obar etc.

#### **(c) Institutional visits conducted for ARTD students are-**

- (i) Primary Health Centre (PHC), Bero;
- (ii) Central Tasar Training and Research Institute (CTTRI), Nagri;
- (iii) Indian Institute of Natural Resin and Gum (IINRG), Namkom;
- (iv) Society for Rural Industrialisation (SRI), Ranchi; (v) Food Corporation of India (FCI), Chutia;
- (vi) Hi-tech Hort. Farm; Horticulture and Agro-forestry Research Programme (HARP), Plandu, Ranchi,
- (vii) Different units of Birsa Agriculture University, Ranchi.

**(d) Kisan Mela:** During the reporting period ARTD students displayed their activities in two regional Kisan Mela at Gurgurjara, Mandar & Katangdiri, Burmu Block and the Central Kisan Mela of Ramakrishna Mission Ashrama, KVK, Ranchi at Getalsud farm on 15, 21 & 28-19 January 2016 respectively. ARTD Students explained their products and models to the farmers & visitors in those Kisan melas.



**Students at Kisan Mela**



**Rural Innovation Centre**

**(e) Farmer as Teacher:** A new innovation in the teaching methodology has been incorporated in the 2015 session to empower the farmer by providing them the opportunity of teaching the farm level experience to the University students in an informal setting.

#### **(f) Learning through Organizational Attachment (LOA):**

The students of the 8<sup>th</sup> semester (2011-15 batch) were sent to the different organizations and have completed their Learning through Organisational Attachment (LOA) curriculum successfully. The following are the details of their organizational affiliation,

Name of the Student	Organization	Duration
Ajit Kumar and Arindam Ghosh	Jan Sewa Parishad, Hazaribagh	2 months
Naresh Kumar	Vikas Sahyog Kendra, Daltonganj	2 months
Subrata Ghosh	Rajputana Society of Natural History, Rajasthan	2 months
Mangat Ram Nureti	RKM Ashrama, Narayanpur, Chattisgarh	2 month

**(g) Rural Innovation Centre:** A museum cum demonstration unit is developed to display different innovative models like watershed, integrated organic farming, rain water harvesting, low cost latrine, etc. that can bring changes in the rural landscapes. This centre is also used as source of primary information about Land and People of Jharkhand.



*IRTDM Students working in the garden*



*IRTDM Students working in the Field*



*IRTDM Students working in the Field*



*Low cost Vermi-compost pit making training*

#### **(h) Available Laboratories in IRTDM faculty, Ranchi:**

**Computer Laboratory:** IRTDM faculty have well furnished Computer Laboratory with 42 computer capacity, internet connection, LCD overhead projector for classes of basic computer courses, training, Power point presentation and students practices.



**IRTDM Faculty Computer Lab.**



**Microbiology Lab.**



**Microbiology Lab.** for basic laboratory practices, preparation of Media, pH testing, sterilization, aseptic inoculation, staining procedures, serial dilution techniques, microscopic observations. Isolation of some specific soil microorganisms mainly beneficial and preparation of carrier based bio-fertilizers.



**Soil Science Lab.**



**Mushroom Lab.**

**Soil Science Lab.** for testing of soil pH, electrical conductivity, amount of organic carbon, determination of nitrogen content, phosphorus content, potassium content, moisture content, sodium and calcium content.

**Mushroom Lab.** for identification of different types of mushroom, mushroom propagation, spawn preparation, organic control of some pathogenic fungus for edible mushroom.



**Quality Control & Molecular Biology Lab.**



**IRTDM Workshop Room**

**Quality Control & Molecular Biology Lab.** for estimation of total sugar content, reducing sugar content, total soluble solids, titrable acidity, lycopene content, beta carotene content, ascorbic acid content, chlorophyll content, starch content of different organic products.

**Bio fungicide Lab.:** Isolation of *Trichoderma* sp., preparation of bio-fungicides (carrier based)

**IRTDM Workshop Room:** Room useful for rural development inhouse practical works like model preparation, chart-poster preparation, display photos and other activities.

**(j) Sports and Games facilities:** The faculty centre provides both indoor and outdoor sports facilities. The students are encouraged to play outdoor games like badminton, volley ball and cricket, indoor games like Tennis & Carom Board.



### Special Events at Ranchi Faculty:

(i) Wall magazine released on 17 January, 2016.

(ii) Released 1<sup>st</sup> issue of 2016 volume of *Krishaka Devo Bhava* – an e-magazine on 17 January, 2016.



*Unveiling of Wall magazine*



*Releasing of Krishaka Devo Bhava magazine*

(iii) All staffs and students of the faculty centre participated in the programme on National Youth Day organized by Ramakrishna Mission Ashrama, Ranchi on 12 January, 2016.

(iv) First alumni meet of the IRTDM faculty held on 17 January, 2016.



*National Youth Day 12 Jan.2016*



*Alumni Meet*

(v) Saraswati Puja observed in the campus and the cultural team organized a cultural programme 'Pahal' on that occasion.

(vi) International Women's Day was celebrated by organizing, essay writing, debate and other competition on 8 March, 2016.





*Saraswati Puja Celebration*



*International Women's Day Celebration*

. (vii) In response to the *Swachh Bharat* movement, during the reporting period faculty centre observed every Saturdays as a mark of Swaccha Bharat Abhiyan by organizing short speech and campus cleaning activities.



**Student's Placement of IRTDM Faculty, Ranchi Campus:** The main objective of the course under the Faculty of IRTDM is aimed at developing entrepreneurial skill, so that the students passing out of these courses become self-employed. Nevertheless our students, immediately after passing, find themselves at ease in the job market especially in the private sector. During the reporting period seven ARTD students were selected by Jharkhand State Livelihood Promotion Society through campus interview held in March, 2016.

### **13.5. Faculty of Disability Management of Special Education (FDMSE): Other Activities-**

#### **(a) Activities/Programs/Events by students, Teacher Trainees-**

- (i) Students of FDMSE participated in various competitions organized by the Tamil Nadu Forest Department at the District Forest Office, Coimbatore on 27th September, 2015.
- (ii) Twenty nine students of therapy unit, seven parents & seven staff participated in the Nature Camp at Salim Ali Centre for Ornithology and Natural History (SACON), Anaikatti, Coimbatore from 12 October 2015 to 14 October 2015.
- (iii) FDMSE participated in the Kalaimagal Vizha Iyal Isai Naatagam – Three day program organized by Ramakrishna Mission Vidyalaya by presenting a thematic dance on 'Ashta Lakshmi' on the third day of the program, 15 October 2015. Twenty three trainee teachers (Girls) participated in this thematic dance.
- (iv) On the occasion of 150th Birth Anniversary celebrations of Swami Akhadananda at Bharathi Nagar, FDMSE distributed 12 Assistive Technological Devices to the needy children/persons with disabilities on 12 October 2015.
- (v) FDMSE participated in the Kalaimagal Vizha Iyal Isai Naatagam – Three day program organized by Ramakrishna Mission Vidyalaya by presenting a thematic dance on 'Ashta Lakshmi' on the third day of the programme, 15 October 2015. Twenty three trainee teachers (Girls) participated in this thematic dance.

- (vi) Thirteen students of D.Ed., B.Ed., & M.Ed., of the department of Visual Impairment along with Mrs. Kamakshamma Murthy visited Aravind Eye Hospital, Coimbatore on 2 November 2015 for clinical exposure and various assessment and therapy services provided to Children / Persons with Low Vision.
- (vii) Ms. C. Poornakala, B.Ed. (HI) won the Best Speaker Award in the State Level Speech Competition organized by Kalaaignar TV on 18 January 2016.
- (viii) Ms. Arunima Manna, M.Ed. (VI) won the first Prize in State Level Essay competition organized by Ramakrishna Math, Madurai on the occasion of National Youth Day Celebrations.
- (ix) Ten teacher trainees (Dept. of HI) from FDMSE visited Hearing Aid Centre, Coimbatore for clinical exposure on 24 October 2015.
- (x) D.Ed., B.Ed., teacher trainees visited various schools in Coimbatore for practice teaching & school observation from 26 October 2015 to 5 November 2015.
- (xi) Thirteen students of D.Ed., B.Ed., & M.Ed., of the department of Visual Impairment along with Mrs. Kamakshamma Murthy visited Aravind Eye Hospital, Coimbatore on 2 November 2015 for clinical exposure and various assessment and therapy services provided to Children / Persons with Low Vision.

#### **(b) Other Academic Activities:**

- Students are given opportunity to take up projects related to interdisciplinary and transdisciplinary areas of various disabilities.
  - Dr. Krishnamoorthy and Br.Paramarthachaitanya, Asst.Admin. Head, RKMVU-FDMSE met research scholars and staff members on 14 February 2015 and explained them about Institutional Ethics Committee and the other matters connected with it.
  - A meeting of the Anti Ragging Committee was held on 01 April 2015 at FDMSE.
  - Prof (Mrs.) Sudesh Mukhopadhyay, Chairperson, Rehabilitation Council of India (RCI) visited our faculty on 3 April 2015 and interacted with the faculty members. Swami Abhiramanadaji Maharaj, Administrative Head; Br. Paramarthachaitanya, Asst. Administrative Head; Dr. N. Muthaiah, Hon. Dean (FDMSE) were also present during the interaction.
  - The third Research and Consultancy Committee meeting of RKMVU-Coimbatore was conducted on Monday, 27 April, 2015.
  - The fourth meeting of the Research and Consultancy Committee was held on 29 May 2015 at FDMSE.
  - Board of studies meeting of FDMSE was conducted on 5 June 2015.
  - The Academic Council Meeting was held on 16-06-15 for the following Off-Campus Faculties/Centers
    - Faculty of Disability Management and Special Education (FDMSE)
    - Faculty of General and Adapted Physical Education and Yoga (GAPEY)
    - Faculty Centre for Agricultural Education and Research (FAR)
    - Faculty of Computer Science and Research, M.Sc (CSA)
  - The passing board meeting of the university was held on 19 June 2015.
  - Members of the Research and Consultancy Committee conducted its fifth meeting on 22 June 2015 at FDMSE seminar hall.
  - Finance committee meeting of all the four faculties of RKMVU was held on 25 June 2015 at Central Office Seminar Hall.
  - Equivalence Committee Meeting was held on 08 July 2015 at FDMSE.
  - The sixth Research and Consultancy Committee met on 27th July 2015 at the FDMSE.
  - A meeting of the faculty members of FDMSE & GAPEY was held on 10 August 2015. The meeting was convened by Swami Atmapriyanandaji Maharaj, Vice Chancellor, RKMVU.
- The following matters were discussed in the meeting:
1. Reviewing Admissions for the current year and introduction of new courses in the next year
  2. It was suggested to start integrated four years B.Sc., B.Ed., course in Special Education.
  3. Sharing the resources available and the services of the faculty members of Arts & Science College of Vidyalaya for the new courses
  4. Reviewing Ph.D. Regulations: Allotment of guides within the faculty and number of candidates for each guide.
- 10<sup>th</sup> Convocation Review Meeting was held on 13 August 2015 in GAPEY Seminar Hall. All the staff of FDMSE & GAPEY participated in the meeting.



- Doctoral committee meeting was held on 17 August 2015 at FDMSE Seminar Hall at 10 a.m. The main agenda discussed were: Progression report of M.Phil & Ph.D. Scholars and Rules & Regulation of M.Phil & Ph.D. courses.
- Sub-committee meeting for initiating new programmes was held on 18 August 2015 at CAS Conference Hall.
- The seventh Research and Consultancy Committee met on 24 August 2015 at FDMSE.
- The inaugural function of the “Research Club” was held on 4 September 2015.
- Passing Board Meeting of FDMSE, GAPEY & FAR was held on 22 September 2015 at GAPEY Seminar Hall.
- A combined Doctoral committee meeting of FDMSE & GAPEY was held on 25 September 2015.
- A combined meeting of RKMVU-FDMSE & Leonard Cheshire Disability was held on 1 October 2015 at FDMSE. The meeting was conducted to discuss and decide the curriculum content for a certificate course to be started for promoting employment opportunities for persons with disabilities.
- The Ninth Research and Consultancy Committee met on 26 October 2015 at the FDMSE.
- A meeting on "Research on Natural Acoustics and Speech Synthesis" was conducted on 6 November.
- Research and Consultancy Committee met on 23 November 2015 at the FDMSE.
- A meeting was held on 23 December 2015 at RKMVU-FDMSE regarding vocational training for persons with disabilities.
- The eleventh Research and Consultancy Committee meeting of RKMVU-Coimbatore was conducted on Monday December 28th, 2015 at FDMSE Seminar Hall.

#### **Students’ Parents Meetings**

- A meeting was conducted for the parents of the children with special needs on 11 July 2015 at FDMSE prayer hall. Dr. Sudha A., Asst. Professor, Department of Mental Retardation gave an orientation regarding the activities given in various units and the rules and regulations to be followed at respective units. Previous years’ feedback were collected from the parents. Teacher in charges of various special education units, physical education teacher and 47 parents attended the meeting.
- Parents meeting of children with special needs was conducted on 3 November 2015 at FDMSE. 56-parents, 2-faculty members and teachers of various special education units attended the meeting.

**Internal Quality Assurance Cell (IQAC):** The 3<sup>rd</sup> IQAC (Internal Quality Assurance Cell) meeting of RKMVU Coimbatore Campus was held on 4 December 2015 at GAPEY. It was attended by all the IQAC members. Swami Abhiramanandaji Maharaj, chaired the meeting.

**CCAT:** A team from Assistive Technology department (CCAT) led by Sri. S. Shankar Subbiah, Director and Accessibility Consultant, Agate Infotek Private Limited, Chennai visited Bharathi Nagar on 2 October 2015 to assess persons with disability (PWD) and their needs of Assistive Technological Devices. The devices were distributed to them on the occasion of 150<sup>th</sup> Birth Anniversary Celebrations of Swami Akhandananda on 12 October 2015.

### **13.6. Faculty of General Adapted Physical Education and Yoga (GAPEY)-other activities:**

#### **Extension Programmes for students:**

**(a) Unified Play Day – 2016:** Unified Play Day was celebrated on 01.03.2016. The sports competitions in Football, Bocce, Bumper pool, Volleyball and Throwball for persons with disabilities were inaugurated by Swami Abhiramananda Maharaj, Administrative Head, Ramakrishna Mission Vivekananda University. A total number of 208 students from 8 special schools participated in the tournaments.

Unified Play Day began with the march past of the participating children. The following Physical Activities were demonstrated by the intellectually challenged children partnered with the normal children.

1. Free Hand Exercises, 2. Yoga, 3. Pyramids, 4. Social Group Behaviour, 5. Kolam, 6. Handkerchief Exercises, 7. Hoops, 8. Flag Drills.

Sri E.S. Kathir, Chairman & Founder, Kathir Group of Institutions and Sri K.R. Pandian Chief Executive officer, Sharp tools Pvt. Ltd. were the guests of honour, distributed the trophies and inaugurated Psychotherapy Stall and Physiotherapy stall respectively. Swami Abhiramananda Maharaj presided over the function, distributed prizes and inaugurated the other therapy stalls. Swami Hararupananda Maharaj inaugurated the play therapy stall.

A total number of 278 students (194 Boys, 84 Girls) from 41 integrated schools, 146 parents and 72 Special education teachers participated in the Unified Play Day. Certificates, Medals and Mementos were distributed the students.

**(b) Clean Vidyalaya Campaign:**

Staff and students involved themselves in clean Vidyalaya Campaign during the Following Days:

<b>Date</b>	<b>Place</b>
01.04.2015	Athletic Track in GAPEY Campus
29.05.2015	In front of GAPEY Administrative building
23.06.2015	Athletic Track
24.06.2015	Kabaddi Court
07.07.2015	Hockey Field
14.07.2015	Athletic Track
21.07.2015	Athletic Track
31.07.2015	Hockey Field
20.08.2015	Eastern side of the Mettupalayam Road from Gate No 5 till cooperative Society building
01.09.2015	Long jump area and Kabaddi court
08.09.2015	Netball court and Long jump area
23.09.2015	Eastern side of the Mettupalayam Road from Gate No 5 till cooperative Society building
07&08 .10. 2015	Tennis Courts
11.12.2015	Cleaned the area opposite to GAPEY building towards the western side of the road
15.12.2015	Eastern side of the Mettupalayam road area from Gate No 5 to Cooperative Society
28.12.2015	Roadside bushes on the Kalari Gurukulam Road.

**(c) Students acted as officials in the following activities:**

<b>Tournament</b>	<b>Organised by</b>	<b>Dates</b>
Laying the 200 Meters track	Dr. SNS Rajalakshmi College of Arts & Science	
Intramural Tournament	Swami Shivananda Higher Secondary School [EM]	2 <sup>nd</sup> & 3 <sup>rd</sup> July 2015.
Coimbatore district Badminton Championship	Badminton Association	1 <sup>st</sup> to 3 <sup>rd</sup> July 2015
Diamond Jubilee Volleyball tournament	PSGR Krishnammal Hr. Sec. School	24 <sup>th</sup> and 25 <sup>th</sup> July 2015.
Coimbatore District inter school East Zone football tournament	ABC Matriculation Hr. Sec. School	22 <sup>nd</sup> and 23 <sup>rd</sup> July 2015
Coimbatore District Sports meet for the Differently abled	Coimbatore Paralympic Committee at Kumaraguru College of Technology, Coimbatore.	26 <sup>th</sup> July 2015
State Level CBSE Tennis Tournament	Chinmaya International School, Coimbatore	31 <sup>st</sup> July 2015
North Zone Inter School Tournament	Vidya Vikasini Matriculation Hr. Sec. School, Coimbatore	5 <sup>th</sup> & 6 <sup>th</sup> August, 2015
Badminton Tournament	Yuva Bharathi Public School, Coimbatore	11 to 13 August 2015
KCT Sports Festival	Kumaraguru College of Technology, Coimbatore	15 <sup>th</sup> & 16 <sup>th</sup> August 2015
Inter College Badminton Tournament	Amirta University	24 <sup>th</sup> August 2015
Dr. APJ Abdulkalam Badminton Trophy, 2015	Coimbatore District Badminton Association	10 <sup>th</sup> to 13 <sup>th</sup> September
Inter Campus Basketball tournament	Amrita Institute of Technology	10 <sup>th</sup> & 11 <sup>th</sup> September
State Level Forest sports meet	Forest College, Coimbatore	11 <sup>th</sup> to 13 <sup>th</sup> Sept. 2015
Anna University Zone XI women volleyball tournament	Sasuri Academy of Engineering	18 <sup>th</sup> and 19 <sup>th</sup> September

<b>Tournament</b>	<b>Organised by</b>	<b>Dates</b>
Anna University Zone XI Football tournament	Government College of Technology	25 <sup>th</sup> to 27 <sup>th</sup> Sept. 2015
Bharathiar University intercollegiate Tennis Tournament	R.V.S. College of Arts and Science, Coimbatore	5 <sup>th</sup> and 6 <sup>th</sup> Oct. 2015
Tamilnadu State Level Badminton Championship	PSN College, Dindugul	06 <sup>th</sup> to 09 <sup>th</sup> Oct. 2015
5 <sup>th</sup> National Sitting Volleyball championship 2015	Paralympics Association of Coimbatore District	5 <sup>th</sup> and 6 <sup>th</sup> Dec. 2015
Inter Polytechnic Athletic Association Football tournament	Sankara Polytechnic College, Coimbatore.	15 <sup>th</sup> to 17 <sup>th</sup> Dec. 2015
State level Volleyball tournament for Visually Impaired	Coimbatore Association for Visually Impaired (VI)	03 <sup>rd</sup> Jan. 2016.
District level athletic meet	Nehru Stadium, Coimbatore	08 <sup>th</sup> Feb. 2016
Inter polytechnic Handball tournament	NGM Polytechnic, Pollachi	09 <sup>th</sup> Feb. 2016
Annual Sports Meet	Swami Shivananda Higher Sec. School	11 <sup>th</sup> & 12 <sup>th</sup> Feb. 2016
All India Inter Agricultural Universities Tennis Tournament	Tamil Nadu Agricultural University, Coimbatore	22 <sup>nd</sup> and 23 <sup>rd</sup> Feb. 2016
College Tournaments	SNS Rajalakshmi College of Arts & Science	11 <sup>th</sup> to 15 <sup>th</sup> March 2016

**(d) Students Achievements: Our University Participated in the Following Inter University Competition:**

<b>Date</b>	<b>Team</b>	<b>Venue</b>	<b>Organizing University</b>
30 <sup>th</sup> Sept. to 2 <sup>nd</sup> Oct. 2015	Badminton	Chennai	SRM University
06 <sup>th</sup> Oct. 2015	Chess	Ettimadai	Amrita Vishwa Vidyapeetham
08 <sup>th</sup> Oct. 2015	Kabaddi	Coimbatore	Tamilnadu Inter Deemed University Kabaddi tournament organised by Karpagam University
14 <sup>th</sup> to 16 <sup>th</sup> October 2015	Kabaddi	Shimoga	Kuvembu University
24 <sup>th</sup> to 28 <sup>th</sup> October 2015	Volleyball	Visakhapatnam	Andhra University
16 <sup>th</sup> to 22 <sup>nd</sup> November 2015	Boxing	Haryana	Kurukshetra University
29 <sup>th</sup> November 2015	Hockey	Guntur	Acharya Nagarjuna University
10 <sup>th</sup> to 19 <sup>th</sup> December 2015	Football	Coimbatore	Amrita University
04 <sup>th</sup> to 08 <sup>th</sup> January 2016	Handball	Karaikudi	Alagappa University
20 <sup>th</sup> Jan. to 2 <sup>nd</sup> Feb. 2016	Cricket	Chennai	Saveetha University
27 <sup>th</sup> to 31 <sup>st</sup> January 2016	Kho-Kho	Chidambaram	Annamalai University
9 <sup>th</sup> to 13 <sup>th</sup> January 2016	Tennis	Chennai	SRM University
6 <sup>th</sup> to 11 <sup>th</sup> January 2016	Archery	Punjab, Patiala.	Punjabi University,
27 <sup>th</sup> to 30 <sup>th</sup> January 2016	Table Tennis	Nellore, A.P	Vikram Simhapuri University
20 <sup>th</sup> & 21 <sup>st</sup> March 2016	Taekwondo	Amritsar	Guru Nanak Dev University

**(e) Our Students Won the Following positions as mentioned below:**

<b>Date</b>	<b>Tournament</b>	<b>Name/Team</b>	<b>Positions</b>
12.07.2015	3 <sup>rd</sup> Open Ball Badminton Tournament organized by Sri Krishna Sports Club, Kappachi	Ball Badminton	Runner Up
12.07.2015	State Level Six a Side Hockey tournament organized by SSOS & SAMHSS	Hockey	Runner Up
05.07.2015	Karur District Judo Championship	Sri. R. Rajeshkumar	Gold Medal
16.07.2015	Inter Vidyalaya Tournaments (Post Matric)	Volleyball Kabaddi Ball Badminton	Winner Winner Winner

Date	Tournament	Name/Team	Positions
23.07.2015	Inter Vidyalaya Tournaments (College level)	Kabaddi Football Handball Volleyball Cricket Hockey Ball Badminton	Winner Winner Winner Runner Up Runner Up Runner Up Runner Up
01.08.2015	Race organized by Mettupalayam Literary Association	M. Boopandi	VI Place
25.08.2015	Translation competition	M. Jijendra	II Place
18 <sup>th</sup> to 20 <sup>th</sup> Sept. 2015.	5 <sup>th</sup> National Rural Games Kusthi Competition in 86-96 kg category	D. Tamilazhagan	Gold Medal
18 <sup>th</sup> to 20 <sup>th</sup> Sept. 2015.	5 <sup>th</sup> National Rural Games Kusthi Competition in 57-60 kg category	L. Dinesh Kumar	Silver Medal
27.09.2015	Coimbatore District Archery Competition in the 40 m. Category	V. Chanakkiyan	Gold Medal
2 <sup>nd</sup> to 05 <sup>th</sup> October 2015	8 <sup>th</sup> Tamilnadu State Archery championship	V. Chanakkiyan	Gold Medal
07 <sup>th</sup> Feb. 2016	District level Football tournament	Football	I Place
13 <sup>th</sup> & 14 <sup>th</sup> February 2016	Coimbatore District Hockey League	Hockey	Preliminary League matches
05 <sup>th</sup> July 2015	Periyanaickenpalayam Cricket Club	Nalin Chetia	Man of the Match award
26 <sup>th</sup> Jan. 2016		67 <sup>th</sup> Republic Day	Best Marching Squad Trophy
18 <sup>th</sup> Dec. 2015	National Archery Championship	S. Siddeshwaran	6 <sup>th</sup> Rank
29 <sup>th</sup> Feb. 2016	Kerala State Kabaddi Championship	Augustin Thomas	Second Position

**(f) Organising Competitions:**

Programs & Competition	Date
Summer Coaching Camp	15.04.2015 to 30.05.2015
Diploma in Special Olympics programme	04.05.2015 to 12.06.2015
IX Special Project Sports meet	05.06.2015
St John's Ambulance First Aid class	07.06.2015
Leadership Training camp to Vellingiri Hills	25.09.2015 to 01.10.2015
Recreational games for the Swami Shivananda Primary school LKG children	01.06.2015
First Project Sports Meet & Inclusive Sports Meet	05.08.2015
Second Project Sports Meet & Inclusive Sports Meet	22.09.2015
Sports Quiz Competition	25.09.2015
Third Project Sports Meet & Inclusive Sports Meet	08.01.2016
State Level Yoga and Kalari Competition	03.02.2016
Fourth Project Sports Meet & Inclusive Sports Meet	16.03.2016

**(g) List of camps etc. held at department/faculty (medical, or part of extension activity)**

**Summer Coaching Camp:**

1. Football Camp
2. Kalari Camp
3. Yoga Camp
4. Adapted Sports & Games for Disabled
5. St John's Ambulance First Aid class was conducted on 07.06.2015 for our Special Olympics course students. Sri Noel Jeyaraj was the resource person.
6. Our BPEd, BSc II, and DPED I Students and three Staff members participated in the Leadership Camp at Vellingiri Hills, Poondi from 25.09.2015 to 01.10.2015
7. Diploma in Special Olympics programme was inaugurated on 04.05.2015. A total number of 30



candidates from different parts of the country are attending the programme.

### 13.7. Faculty Center for Computer Science Applications and Research (FYCSAR):

#### Other Academic Activities:

- Dr.R.Sridhar, Head of FyCSAR, Sri S Ramesh, Head of Diploma in Information Technology of polytechnic and other faculty members attended the Interaction meeting with Swami Atmapriyananda, Vice Chancellor, Ramakrishna Mission Vivekananda University, on 7<sup>th</sup> August 2015.
- Dr R Sridhar, HoD of M.Sc(CSA) and Sri S.Somasundaram Assistant Professor of Computer Applications, attended Cisco Networking Academy Support Center Member Conference on 05<sup>th</sup> Dec 2015 at Amrita Vishwa Vidyapeetham University, Coimbatore.



*All Faculties Meeting with Vice Chancellor 07 August 2015*

- Sri M.K.Prakash, Assistant Professor of Computer Applications, has completed online course "Powerful mental tools to help you master tough subjects" authorized by University of California, San Diego and offered through Coursera on 18 Feb 2016.
- S.Somasundaram & V.Dineshkumar, Assistant Professor of Computer Applications, has participated in "Zero Plastic Drive at Maruthamalai" activities conducted by Coimbatore District Home Guard, Green Global Trust and Forest Department Coimbatore on 28<sup>th</sup> Feb 2016.
- S.Somasundaram Assistant Professor of Computer Applications, has participated in One day National on 12<sup>th</sup> Mar 2016. Workshop on "**Open Source Network Simulation Tools for Wireless Sensor Networks**" organized by the Department of Electronics and Communication System, Karpagam University, Coimbatore.



**Computer Laboratory of FYCSAR.**

- The **Bridge course** was started for newly admitted students of M.Sc (CSA) on 18<sup>th</sup> and 19<sup>th</sup> July 2015. 23 students enrolled for the course.



- 23 students were admitted for M.Sc(CSA) for the year 2015-16. All students are working as Interns in the following Industries / Institution.

### Students Activities:

- M.Mohanraj, II M.Sc(CSA) Student participated in “ **National Conference on Emerging Computer Technology** ” conducted by Department of Computer Studies, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore on 22 Sep 2015.
- Sri V.Naveen and A.Elango of III M.Sc(CSA) won **II<sup>nd</sup> prize in Poster Design** event in the National Level Technical Symposium "XAVION'16" conducted by Pioneer College of Arts and Science, Coimbatore on 30<sup>th</sup> Jan 2016.
- **Two** Students of M.Sc(CSA) participated in the **Poster Design** event on A National Level Technical Symposium "XAVION'16" conducted by Pioneer College of Arts and Science, Coimbatore on 30<sup>th</sup> Jan 2016.
- **Two** Students of M.Sc(CSA) participated in the **Word Hunt** event on A National Level Technical Symposium "XAVION'16" conducted by Pioneer College of Arts and Science, Coimbatore on 30<sup>th</sup> Jan 2016.
- **Six** Students of M.Sc(CSA) participated in the **Debugging** event on A National Level Technical Symposium "XAVION'16" conducted by Pioneer College of Arts and Science, Coimbatore on 30<sup>th</sup> Jan 2016.
- Four Students of III M.Sc(CSA) were participated in One day National Workshop on "**Open Source Network Simulation Tools for Wireless Sensor Networks**" organized by the Department of Electronics and Communication System, Karpagam University, Coimbatore on 12<sup>th</sup> Mar 2016.
- Two Students of II M.Sc(CSA) were participated in One day Workshop on "**Cyber Security**" organized by the Department of Computer Science & Engineering, Kumaraguru College of Technology, Coimbatore on 19<sup>th</sup> Mar 2016.
- The following video presentation was shown for M.Sc(CSA) student.

S.No	Title	Date
1	Microsoft 2020 technology future vision	20 Mar 2016
2	Boston dynamics on Robotics	26 Mar 2016

### Educational Exhibition

- Students of M.Sc(CSA) conducted exhibition on “**Measurement of Attention & Modern User Interface**” on 03 Jan 2016 for Gurupuja 2016.

### 13.7. Faculty of Agricultural Education and Research(FAR):

#### Different Activities of FAR- Academic and Others:

- Counselling for the selection of Students of first year B.Sc. (Agri) Degree Programme was conducted on 15.07.2015 and 17.07.2015. Out of 95 students 64 was selected by the selection committee.
- Annual Day of Agricultural Institutions of Ramakrishna Mission Vidyalaya was held on 29.04.2015. A cultural programme was organized by the Diploma and Degree students.



- Our first year B.Sc (Agri) students participated in the 'International Yoga Day' celebration of our Vidyalaya on 21.06.2015 and demonstrated the Yoga protocol prescribed by the department of AYUSH, Ministry of India.



- The newly constructed Field Laboratory was inaugurated on 27.06.2015 by Rev. Swami Abhiramanandaji Maharaj, Administrative Head, RKMVU FAR. The laboratory is utilized for handling field - oriented practical classes in Agronomy, Horticulture and Animal Husbandry.
- Our FAR Students and staff members participated in the 69<sup>th</sup> Independence Day function held at Maruthi College grounds on 15.08.2015. Students participated in the March past and secured III position.
- In Commemoration of Swami Vivekananda's Chicago Address on 11th September 1893 and other addresses, oratorical competition was held in the Institute on 20.08.2015. 11 students in Tamil and 3 students in English participated in the competition.



- Saraswathi pooja and Ayutha pooja were celebrated on 20.10.2015 in the Prayer hall of RKMVU Hostel. Monastic members, 1<sup>st</sup> and 2<sup>nd</sup> year B.Sc. (Ag) students and staff members participated in the function.
- All the 1st year B.Sc (Ag) students and staff participated in the Kalaimagal Vizha function on 13<sup>th</sup> October 2015.
- All the first and second year B. Sc. (Ag) students participated in the 'Youth Convention' programme organized from 26.11.2015 to 28.11.2015 at Ramakrishna Mission Vidyalaya Indoor stadium. The students also attended seating arrangements and other duties allotted to them.
- Staff and students participated in the Exhibition duty, Book Stall and Annadanam serving duty in connection with the Gurupuja Utsav 2016 celebrations.



- The exhibition on the theme “**Integrated Crop Management for Higher Productivity and Income**” drew good response from the visitors.



- The following 1st year B. Sc. (Ag) students won prizes and cash awards in the Gurupuja 2016 literary competition

- |                      |  |
|----------------------|--|
| 1) Ra. Gowsik        | - 2 <sup>nd</sup> prize in Tamil Essay competition     |
| 2) G. Ranjith        | - 3 <sup>rd</sup> prize in Tamil Elocution competition |
| 3) K. R. Dhanaseelan | - 2 <sup>nd</sup> prize in English Essay competition   |

- The staff and students participated in the Youth day rally on 12.01.2016.
- Republic day was celebrated in the Institute on 26.01.2016. Swami Anapekshanandaji Maharaj, Correspondent SRMV Polytechnic College unfurled the National flag.
- All the staff members and students participated in the Birth Anniversary function of Swami Vivekananda on 31.01.2016, and the 181<sup>st</sup> Birthday Celebrations of ‘Bhaghavan Sri Ramakrishna’ on 10.03.2016, held at our Vidyalaya Temple.
- All the staff and students participated in the Vidyalaya Foundation day celebration on 03.02.2016.
- Administrative Director and Dean, RKMVUFAR attended the Inaugural function of ‘Bhaghavan Sri Ramakrishna’s Shrine’ at Sri Bharathi Nagar on 10.03.2016 at 3.30pm.

- **Common Prayer:** All our staff and students participated in the common prayer held on Tuesdays of the week held at main prayer hall of VHS Gurukulam campus. During the common prayer session on 23.02.2016 Selvan T. Sivalingam, II year B. Sc. (Ag) student spoke on the topic “**An Introduction to Bhagavad Gita**”.



#### STAFF ACTIVITIES:

- Anti Ragging Committee meeting was conducted by our University on 01.04.2015. Sri P. Murugesan attended the meeting on behalf of RKMVU FAR.
- On 09.06.2015, RKMVUFAR, Asst. Administrative Head Maharaj and the HOD i/c met the Vice Chancellor, TNAU to depute one of the University Officers to act as external member of our Board of Studies. Dean (Agri), Agricultural College and Research Institute, Madurai represented TNAU in our BoS meeting. We also requested Vice Chancellor, Gandhigram Rural University to send a University Officer to act as a member of BoS. One Dr. Senthivel, Former Dean of Agriculture College was deputed.
- The review meeting of RKMVU FAR for the First and Second semesters of B.Sc (Agri) students was held on 08.07.2015. Revered Swami Abhiramanandaji Maharaj, Administrative Head, RKMVU chaired the meeting.



- Second batch of first year B.Sc (Agri) course commenced on 27.07.2015. On the same day parents meeting was also conducted at our IARD seminar hall. Swami Tatprabhananaji Maharaj briefed about the origin of the Ramakrishna Mission Vivekananda University. HOD I/c. Dr. S. Sankaralingam explained about the faculty. Dr. A. Rajarajan, Hon. Professor elaborately explained about the course details with power point presentation. Swami Tamoharanandaji Maharaj briefed about the hostel rules and regulations. In the afternoon all the newly admitted students were taken around Vidyalaya Institutions.
- First year B. Sc. (Agri) regular classes commenced on 29.07.2015 with the chanting by Swamijis and prayer song by our music teacher.



- The teaching faculty of RKMVU FAR had an interactive meeting with Revered Vice-chancellor Maharaj, RKMVU on 07.08.2015. Rev. Vice-chancellor Maharaj was briefed about the various ongoing activities of FAR by Asst. Administrative Head Swamiji. HoD I/c. narrated the various events which had happened right from the starting of the B.Sc. (Agri) degree course under RKMVU.
- Dr. A. Rajarajan, Hon. Professor, RKMVU FAR delivered a lecture on **“Career prospects for Agricultural graduates”** to the first and second year B.Sc. (Agri) students on 25.08.2015.
- Dr. S. Sankaralingam Administrative Director, participated in the seminar for the field staff of United Nilgiris Conversation Society on 23.02.2016 at Kotagiri. He trained the participants regarding “Profitable Dairy Farming”.
- Swami Tatprabhanandaji Maharaj, Asst. Administrative Head, Dr. S. Sankaralingam, Dr. A. Rajarajan, Dean, RKMVU FAR, Dr. P. Muthukrishnan, Principal I/c., IARD attended Internal Quality Assurance Cell (IQAC) meeting convened by the Administrative Head, RKMVU FAR on 04.12.2015.
- Swami Tatprabhanandaji Maharaj, Asst. Administrative Head, Dean and teaching faculties of FAR had an interactive session with Dr. C.V. Ramakrishnan, International scientist in Biochemistry and father of Nobel Laureate Professor Dr. R. Venkataraman, on 08.12.2015 at FDMSE. The interaction was useful and informative about the scientific temper of researchers and the future scope and prospects of the students aspiring for research oriented higher studies in all the disciplines.
- Swami Tatprabhanandaji Maharaj, Asst. Administrative Head, Dr. S. Sankaralingam, Dr. A. Rajarajan, Dean, RKMVU FAR and Sri P. Murugesan, IARD attended Examination Committee meeting convened by the Deputy Controller of Examinations, RKMVU on 08.12.2015.

#### **14. Libraries in the University:**

The University has libraries in the headquarters at Belur and at all of the “off-campus Faculty Centres”. The use of the library in 2015-16 was as follows:

<b>Campus</b>	<b>Total No. of Books</b>	<b>No. of Periodicals</b>	<b>No. of Newspapers</b>	<b>No. of Books issued</b>	<b>Total attendance</b>
(1) RKMVU Belur Math Campus	24202	11	0	4528	8773
(2) FDMSE- Coimbatore Campus	10179	46	4	1824	5958
(3) GAPEY- Coimbatore Campus	4357	22	4	11	156
(4) FYCSAR Coimbatore Campus	156	0	0	25	40
(5) FAR Coimbatore Campus	350	15	3	5	60

Campus	Total No. of Books	No. of Periodicals	No. of Newspapers	No. of Books issued	Total attendance
(6) IRDM Faculty-Narendrapur Campus	1767	30	3	622	1263
(7) IRTDM Faculty-Ranchi Campus	6000	0	0	439	1153
<b>Grand Total=</b>	<b>47011</b>	<b>124</b>	<b>14</b>	<b>7454</b>	<b>17403</b>

**Number Libraries: Belur Campus- 1 central library, 1 departmental library in Sanskrit dept.**

**IRDM Narendrapur Campus- 1 departmental library**

**IRTDM Ranci Campus – 1 departmental library**



***Ranchi IRTDM Faculty Library: floor area 2400sq.ft. Library at FDMSE, Coimbatore Campus***



***Belur Campus library***

A Departmental Library in Sanskrit Department was set up in February 2016, to aid research scholars do their research. Presently there are **238 books**, and **38 Photostat copies** of rare and unavialable books useful for the research scholars. On an average daily 5 research students use the departmental library.

#### **FDMSE Faculty Library:**

- ❖ 10179 books with nearly 6,000 different titles and 46 periodicals including journals and magazines no of news paper 04 are available in the library. Total books issued-1824 total attendance in the year-5958.
- ❖ The screen reading software's such as Non Visual Desk Top Access (NVDA) and Job Access with Speech (JAWS) are installed for easy access of visually impaired students.

**GAPEY Faculty Library:** 4357 books, 22 periodicals including Journals & magazines, 4 daily news papers are available in the library.

## **15. Future Plan of Action Indicating Development Strategies**

### **15.1. Department of Physics:**

- (i) To do improvement in astronomical observations and MSc Laboratory and outreach programme;
- (ii) To increase intake capacity of students in the department.
- (iii) To give more emphasis on research work.

#### **15.2. Department of Sanskrit Studies:**

- (i) To improve quality of students by implementing various academic systems like exam pattern etc.
- (ii) To introduce outreach programme for the promotion of Sanskrit studies and scriptural knowledge.
- (iii) To start new disciplines like Mimamsa and Nyaya.

#### **15.3. Faculty of Disability Management of Special Education (FDMSE)-Future plan of action:**

To establish an 'Assistive Technology Lab' at FDMSE for the students with special needs. This lab will have aids and equipments pertaining to students having various disabilities which would enhance their functional capabilities.

#### **15.4. Faculty of General Adapted Physical Education and Yoga (GAPEY):**

##### **Future plans of the department.**

1. To introduce new courses in the field of adapted physical education.
2. To introduce new value added courses.
3. Establishing research block for regular and adapted physical education stream.
4. Establishing laboratories like exercise physiology, biomechanics, sports physiotherapy, anatomy & physiology, adapted physical education, adapted yoga, educational technology, sports psychology, computer applications and language.
5. Establishing sensory integration park with sensory stimulation games for the persons with disabilities.
6. To improve the number of publications by the institution and the staff members.
7. To conduct international seminars and workshops.
8. To increase the participation of the staff and students in national, international seminars and workshops.
9. To improve the ground facilities. (Number of individual play fields).
10. To improve the sports infrastructure facilities. (General stream and adapted physical education stream sports facilities).
11. To establish complete sports facility with adapted gadgets for persons with disabilities.
12. To improve the quality of the class rooms. (Establishing smart class rooms, Interactive - IQ board learning, e-learning, etc.).
13. To increase the research temperament of the staff and students.
14. To purchase recent books, journals and publications.

**15.5. Faculty For Agricultural education and Research (FAR):** Future Plan of Action Indicating Development Strategies of FAR is to included in the Master and Doctoral programme in the field of Agriculture especially Agronomy, Agricultural Extension and Economics.

## **16. Convocation:**

The 10th Convocation Ceremony was held on 04 July 2015 at Ramakrishna Mission Vivekananda University in which graduating and all other students of Belur campus, Narendrapur and Ranchi campus were present. On this occasion the Guest-in-Chief was Dr. A.S. Kiran Kumar, Hon'ble Chairman of Indian Space Research Organisation (ISRO), Government of India. The function was presided over by Revered Swami Suhitanandaji Maharaj, Chancellor of the University and general Secretary of Ramakrishna Math and Ramakrishna Mission, Belur Math. On this occasion we also commemorated the tenth anniversary of the University. Revered Vice chancellor gave the welcome address and Dr. A.S.Kiran Kumar delivered an inspiring convocation address to the students and faculties.

On the occasion of 10th convocation and auspicious day of 4<sup>th</sup> July 12 books have been released by Ramakrishna Mission Vivekananda University. Out of those six are in Bengali, one in Sanskrit, five in Armenian language. Books are- (i) *Sri Ramakrishna- Navayuger Dharmsthapak*; (ii) *Santana*; (iii) *Jogabhyas Prabesika*; (iv) *Sahasranamastotravali*; (v) *Stotramala*; (vii) *Vivekdisha Vijnakatha, Part-2*; (viii) *Srimat Swami-Vivekanandacharitam* (Sanskrit). Five books which were translated into Armenian language from



English are My Master, Karma Yoga, Bhakti Yoga, Raja Yoga and Jnana Yoga of Swami Vivekananda. Yearly Research Journal *Prajnalokah* in Sanskrit by the Department of Sanskrit was also released.



**04 July 2015 Convocation: (Dr.A.S. Kiran Kumar, Chairman of ISRO; Swami Suhitananda, Chancellor; Swami Atmapriyananda, Vice Chancellor; Swami Sarvottamananda, Pro-VC)**



### ***Convocation 04 July 2015: Student and Faculties .***

Total 84 students received their certificate and mementos at Belur Math campus of university including Narendrapur and Ranchi campus, are as follows:

<b>PhD</b>	<b>01</b>
<b>M.Phil.</b>	<b>06</b>
<b>Int. MA/M.Sc./Int.M.Sc.</b>	<b>64</b>
<b>B.Sc.</b>	<b>11</b>
<b>P.G. Diploma</b>	<b>02</b>

Out of 84 students 8 students received Gold Medal. Those are Souvik Kundu (MPhil. Bengali), Sukhendu Khatua (MPhil Bengali), Srimanta Bhadra (Int. MA Sankrit), Anup Kumar Mandal (MSc. Physics), Arka Banerjee (MSc. Mathematics), Nishita Dey (MSc. Agriculture & Rural development, Ratilal Munda (Int. MSc. Agriculture, Rural and Tribal Development).

### Convocation at Coimbatore Campus of FDMSE, GAPEY:

The 10<sup>th</sup> convocation of the Faculties of Disability Management and Special Education (FDMSE) and Adapted Physical Education and Yoga (GAPEY), Ramakrishna Mission Vivekananda University, Coimbatore Campus was held at Venkatakrishnan Indoor Stadium on 08 August 2015.

The chief guest of the convocation was Prof. Santosh Panda, Chairman, NCTE, New Delhi delivered the Convocation Address. Dr. Mylswamy Annadurai, Director ISRO, Bangalore delivered the Dr. Ayya Avinashilingam 2<sup>nd</sup> Memorial Lecture. Dr. A.M. Moorthy, Vice Chancellor, Tamilnadu Physical Education and Sports University was the Special Guest and delivered special address. Swami Atmapriyanandaji Maharaj, Vice Chancellor of RKMVU welcomed the gathering and conferred the degrees. Swami Abhiramanandaji Maharaj, Administrative Head, RKMVU gave introductory address.

Out of 95 candidates who have passed the examinations, 78 graduates received degrees and diplomas from FDMSE (Ph.D.-3; M.Phil-1; M.Ed.-12; B.Ed.-54 & D.Ed.-3; DISLI-5).

The following students were awarded Gold Medals:

SN	Name	Course
1	Ms. Nithya M.	DISLI (Sign Language)
2	Mr. Dhadekar Gautham Satwaji	D.Ed. (Visual Impairment)
3	Ms. Divya S.	B.Ed. (Mental Retardation)
4	Ms. Githa S.R.	M.Ed. (Mental Retardation)

The following scholars were awarded Ph. D. degree:

SN	Name	Course
1	Sruthi Bobade	Special Education (Visual Impairment)
2	Pragya Srivastava	Special Education (Mental Retardation)
3	Sree Priya	Special Education (Visual Impairment)



### Convocation at Coimbatore Faculty Centre- August 2015

Among the 222 students GAPEY were awarded with degrees and diplomas. Among them the following students were awarded Gold Medals:

1. Ananda Ghosh (MPhil), 2. S. Vignesh (MPed), 3. M. Jijendra (BPed),
4. B. Arun (BSc in Physical Education), and 4. P. Ravi (DPed)



## 17. Spiritual classes, values education programmes, youth convention, personality development classes etc.

**17.1. Belur Math campus:** Spiritual classes are conducted in eight different subjects through out the week for the students of all ages and classes interested in those subjects. Monks are giving those classes. The values education classes for the academic students of all departments are also conducted by monks. Vice Chancellor Maharaj also give one class to students per week. Especially values education subjects are incorporated in syllabus especially for Sanskrit and Yoga departments.

### 17.2. Faculty of Disability Management of Special Education (FDMSE):

Students participated in the Vidyarthi homam. Religious festivals like Sri Krishna Jayanthi, Vinayagar Chaturthi, Saraswathi Puja, Rama Navami and Maha Sivaratri are celebrated at FDMSE. In addition to that monthly Gita Chanting Competition was organized. Vivekananda Study Circle organizes lectures on eminent Saints, Upanishads and Cultural heritage of India.

### 17.3. Value Education programmes at Coimbatore Campus at the Faculty of Computer Science Applications and Research (FYCSAR):

- Br. Aniruddhachaitanya Maharaj delivered a talk on “Swamiji’s Ideas on Life” on 20<sup>th</sup> Dec 2015 for students of M.Sc(CSA).



- Swami Tamoharananda Maharaj delivered a talk on “Aim of Education” on 27<sup>th</sup> Dec 2015 for students of M.Sc(CSA).



- Dr. R.Anand Assistant Professor in Tamil, SRMV CAS, delivered a talk on “Swami Vivekananda on Education” on 14<sup>th</sup> Feb 2016 for students of M.Sc(CSA).

## 18. Social welfare programmes, Socio-economic programmes:

### 18.1. Faculty of Disability Management of Special Education (FDMSE):

The public celebration of the birthday of Bhagavan Sri Ramakrishna, popularly known as Gurupuja, is the most important annual cultural activity of the Vidyalaya. The day-long celebration, observed on the first Sunday of every year, includes educational exhibition, talks by eminent personalities and cultural events. Around one lakh public participates in all these programmes. The entire celebration is organized by the students and faculty members of all the institutions of Ramakrishna Mission Vidyalaya. The responsibilities entrusted with the students and the execution enables them to improve their academic, leadership, collaborative and organizational skills through the following activities/events.

●**Educational Exhibition:** Every year our faculty involves students in organizing an educational exhibition on a particular theme related to Adapted Physical Education to bring awareness among the general population.

●**Organization of Value-based-recreational Games:** Unlike social events conducted elsewhere, as a unique feature, our students organize special value-based- recreational games for the public.

- Students involve in extending voluntary social service to the public.
- Involving the students in Swachh Bharath, Tree planting, Youth rally of social importance.

## 18.2. Faculty of Computer Science Applications and Research (FYCSAR):

- 40 students participated from our University in relief activities conducted by Coimbatore District Home Guard, RAAC (Residential Awareness Association of Coimbatore), Siruthuli, Helping Hands, Aram Foundation, Sumangali Jewellers, Mahavir Textiles and so on, for loading and unloading relief materials on 05<sup>th</sup> Dec 2015.



- 28 students of II & III M.Sc (CSA) and two faculty members were participated in "Zero Plastic Drive at Maruthamalai" conducted by Coimbatore District Home Guard, Green Global Trust and Forest Department Coimbatore on 28th Feb 2016.



- Seven students of III M.Sc(CSA) participated in “**Blood Donation Camp**” and donated Blood. It was conducted by Sri Ramakrishana Mission Vidyalaya College of Arts and Science, Student Council, NSS & Social work Department in coordination with Shanthi Social Services, Coimbatore on 19 Sep 2015 at SRMVCAS Mini Auditorium.



**Educational Exhibition by FYCSAR:** Students of M.Sc(CSA) conducted exhibition on “**Measurement of Attention & Modern User Interface**” on 03 Jan 2016 for Gurupuja 2016.





### *Educational Exhibition*

Special Classes/ Talks by experts: Sri P.Rajeshkannan, Software Developer and Sri M.Sivanraj, Software Developer, BizTalk360 Private Limited, Coimbatore, delivered a talk on **“Jquery and its Applications”** on 12 Sep 2015 for II and III



Year M.Sc(CSA) students.

- Sri S.Muthukrishnan, Software Developer, Cognizant Technology Solutions (CTS), Coimbatore, delivered a talk on **“Software Testing”** on 03 Oct 2015 for II and III Year M.Sc. (CSA) students.
- Sri T.Muthuvel, Software Developer, Value soft Solutions Pvt. Ltd, Bangalore, delivered a talk on **“Job Opportunities in IT”** on 10 Oct 2015 for II and III Year M.Sc. (CSA) students.
- Sri D.Raja, Senior Software Architect of HCL Technologies Chennai, delivered a talk on **“How to improve programming skills”** on 10<sup>th</sup> Jan 2016 for students of M.Sc. (CSA).
- Sri S.Muthukrishnan, Software Developer of Cognizant Technology Solutions (CTS) Coimbatore, delivered a talk on **“Surface Computing”** on 23<sup>rd</sup> Jan 2016 for II and III Year M.Sc.(CSA) students.



- Sri S.Ramkumar Team Leader, Valuesoft Solution, Bangalore delivered a talk on **“Programming Skill”** on 13<sup>th</sup> Feb 2016 for students of M.Sc(CSA).

### **19. KRISHI VIGYAN KENDRA (KVK):**

Indian Council of Agricultural Research (ICAR) on 28 February 2013 sanctioned for the establishment of a Krishi Vigyan Kendra at village Arapanch, South 24 Parganas District under the administrative control of

Ramakrishna Mission **Vivekananda** University (Integrated Rural Development and Management Faculty Centre at Ramakrishna Mission Ashrama, Narendrapur) under the plan scheme of ICAR.

The Indian Council of Agricultural Research (ICAR), under the Department of Agricultural Research and Education (DARE), Ministry of Agriculture, Government of India, sanctioned the establishment of a “Krishi Vigyan Kendra” in Ramakrishna Mission Vivekananda University for the district of South 24 Parganas district. This is the second KVK in the district and first of its kind in Zone II of ICAR. It is named as the ‘*Sasya Shyamala*’ **Krishi Vigyan Kendra** and started functioning from the Narendrapur campus of the RKMVU from November 2013. The following activities took place in 2015-16:

#### 19.1. Details of operational area / villages (2015-16):

Sl.No.	Name of the block	Name of the villages
1.	Canning - I	Bhaleya
2.	Canning-II	Mather Dighi, Jogendranagar
3.	Basanti	Narayantala, Uttar Mokamberia, Uttar Sonakhali, Naliakhali, Gourdaspara, Harbhangi, Chunakhali, Choravidya, Itabhati
4.	Gosaba	Baganapara, Luxbagan, Rajat Jubilee, Mathurakhand, Amlamethi, Vijaynagar, Kumirmari, Arampur
5.	Baruipur	Moutala, Dandapur-Jayatala, Paruldaha, Ghola, Khutiberia, Machhpukur, Ramrudrapur, Uttarbhag, Dhamnagar
6.	Sonarpur	Kustia, Arapnch, Kalikapur, Langolberia, Bonhooghly, Bamongachhi, Kumarpukuria
7.	Bishnupur I	Deuli, Alipur, Bar Deuli, Dakshin Alipur
8	Bishnupur-II	Dakshin Ramakrishnapur
9.	Budge Budge I	Nischintapur
10.	Budge Budge-II	Uttar Raipur, Itali, Rania, Kamra, Dongaria
11.	Thakurpukur - Mahestala	Rameswarpur
12.	Falta	Basudevpur, Shyamsundarpur, Charnakhali, Manirampur, Devipur

**19.2. Training programmes:** Training programmes were conducted for farmers, farm women, rural youths and extension functionaries on different technologies in on campus or off campus mode. Total 53 nos of training programmes were organized for practicing farmers and farm women, 20 training programmes for rural youths and 3 training programmes for extension functionaries were conducted in seven disciplines, viz., Agronomy, Soil Sciences, Plant Protection, Horticulture, Seed Production, Fisheries and Animal Sciences as well as multidisciplinary training programmes were also organized in which 2472 nos. of trainees participated. Besides 18 nos. of sponsored training programmes were also organised in which 781 nos. of participants were present.

#### Categories of trainees in different training programmes of the KVK :

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Others			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Practicing Farmers	53	295	92	399	859	340	1199	62	40	102	1228	472	1700

& Farm Women													
Rural Youth	20	111	42	153	287	91	347	24	6	30	422	139	561
Ext. Personnel	3	145	9	154	44	5	48	4	1	5	192	15	211
<b>Total</b>	<b>76</b>	<b>551</b>	<b>143</b>	<b>706</b>	<b>1190</b>	<b>436</b>	<b>1594</b>	<b>90</b>	<b>47</b>	<b>137</b>	<b>1842</b>	<b>626</b>	<b>2472</b>



### Conducting Farmers' Training

**19.3. On-Farm Trials (OFT):** OFTs were conducted on farmers' problems in the farmers' field with the participation of farmers in six disciplines, viz., Agronomy, Plant Protection, Horticulture, Seed Production, Fisheries and Animal Sciences in which 114 participants actively participated. Following 12 OFTs were conducted during 2015 – 16 on different farmers' problems as under:

- (i) Assessment of effect of different dates of sowing in *Rabi* Sunflower.
- (ii) Studies on the Bio-efficacy of Pretilachlor and Oxyfluorfen in *boro* transplanted rice and its effect on the soil microflora in medium to low land situation of South 24 Parganas district.
- (iii) Assessment of fertilizer dose for increasing yield of onion.
- (iv) Assessment of performance of organic and inorganic pesticides for the management of Diamond Back Moth of Cabbage.
- (v) Assessment of different hybrid varieties of Sunflower in *Rabi* season.
- (vi) Evaluation of submergence tolerant rice varieties for low land situation of South 24 Parganas district
- (vii) Assessment of techniques to reduce leaf curl disease of chilli for higher production and productivity.
- (viii) Assessment of IPM techniques to reduce stem borer (*S. incertulus*) and leaf folder (*N. medinalis*) infestation for higher production and productivity.
- (ix) Studies on the package of management for Scampi (*Macrobrachium rosenbergii*) culture in extensive pond culture system of S-24 Parganas district.
- (x) Studies on the performance of integrated fish–duck–dyke vegetables production System .
- (xi) Evaluation of different mode of disinfectant application on udder health and low milk yield of crossbred cows.
- (xii) Assessment of performance of different improved poultry breeds in backyard system in South 24 Parganas district.





OFT- Rice



OFT- Onion



OFT- Poultry



OFT- Fish cultivation

**19.4. Frontline demonstration (FLD):** FLDs were conducted on different technologies based on crop production, plant protection, veterinary and animal sciences and fisheries. Total 36 different FLDs were conducted in 56.62 ha area, 115 units and 1386 farmers participated in these FLD programmes.



FLD on Mushroom, Fish culture

#### Frontline Demonstration on Pulse Crops under Clustered Demonstration Programme:

Crop	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
				Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Green Gram	Varietal Performance (Var-Samrat), IPM	139	16	9.37	6.5	44.15	14225.00	60905.00	46680.00	4.28	13725.00	42250.00	28525.00	3.07
Lentil	Varietal Performance of Lentil (Var-Maitree), IPM	159	20	7.12	5.9	20.67	16450	49840	33390	3.02	14625	41300	26675	2.82
<b>Total</b>		<b>296</b>	<b>system 36 ha</b>											



### FLD- Pulses

#### 19.5. Extension activities: Extension and Training activities under FLD:

SL. No.	Activity	Dicipline	Date	No. of activities organized	Number of participants	Remarks
<b>Field Days</b>						
	Field days on IPM of Winter Vegetables	Plant Protection	17.11.2015	1	15	
	Field days on Cluster demonstration on pulse (IPM in Lentil)	Plant Protection	09.02.2016	1	26	
	Field days on Cluster demonstration on pulse (Green Gram) (Importance of Seed Treatment and IPM)	Plant Protection	20.02.2016	1	30	
	Field day on cultivation practices on Mustard	Agronomy	09.02.2016	1	26	
	Field on weed management in rice	Agronomy	20.02.2016	1	30	
	Field on Winter Vegetable Cultivation	Horticulture	14.12.2015	1	30	
	Field on Cultivation of high value crops	Horticulture	20.02.2016	1	32	
	Field days on composite fish culture	Fisheries	30.10.2015	1	45	
	Field days on crab fattening	Fisheries	12.09.2015	1	35	
	Ornamental fish culture	Fisheries	22.07.2015	1	51	
	Field days on Backyard Poultry Farming	Aimal Sc	14.12.2015	1	25	
2.	Farmers Training	Agronomy	-	-	-	
		Horticulture	19.5.2015 2-3.09.2015 27-30.01.2016 04.02.2016	4	100	
		Plant Protection	14,16.11.2015 17,22.12.2015 14.02.2016	5	105	
		Animal Sc.	-	-	-	
		Fisheries	12.09.2015	1	35	
3.	Media coverage	-	-	-	-	
4.	Training for extension functionaries		19-20.06.2015	1	18	
	<b>Total</b>			<b>22</b>	<b>615</b>	

#### 19.6. Other extension activities:

Nature of Extension Activity	No. of activities
Newspaper coverage	
Radio talks	16
Popular articles	13
Extension Literature/leaflet	16
<b>Total</b>	<b>45</b>





### *ASCAD programme*

#### **19.7. Production and supply of Technology products: Village seed Production Programme:**

	Category	Crop	Variety	Type of seed	Area/No. (ha/no)	Production (kg/no)
	Seed	Rice	Sabita	Certified	113 /505	339000 kg
			Gobindabhog	Certified	22.9/144	68700 kg
			Swarna sub 1	Certified	4.11/47	1681 kg
		Total Rice seed			140 ha/ 696 no	409381 kg
		Mustard	Pusa Bahar	Certified	2 /8	2200 kg
			Pusa Mahek		3/15	3300 kg
			NC-1		3 /15	2250 kg
			B-54		4/18	3000 kg
			B-9		7/34	5600 kg
		Total Mustard seed			19 ha/90	16,350 kg
	Planting Materials	Cabbage	Green Express	-	0.29	15972
		Cauliflower	Sheetal	-	0.133	7260
		Broccoli	Centauro	-	0.22	4362
		Chilli	Bullet	-	0.133	2904
		Capsicum	Asha (green)	-	0.133	4840
		Onion	Agrifound dark red	-	0.798	174240
		Tomato	Deb-2908	-	0.133	2323
		Elephant Foot Yam	Kavur	-	0.066	3969 kg
		Turmeric	Suranjana	-	0.4	15038 kg
Total					161.03 ha	211901 nos. + 444738kg

### Production of livestock & fish materials in the villages:

Particulars of Livestock	Name of the breed	Number/kg	Value (Rs.)	No. of Farmers
Poultry	Haringhata Black & Vanaraja	358 nos.	21,480.00	
Ducks	Khaki Campbell	601nos	42,070.00	
Indian carp fingerlings	Rohu, Catla, Mrigel	15 lakh	2,00,000.00	50
Exotic carp	Common carp	2 Lakh	50,000.00	7
Air breathing fishes	Magur	4.75 Lakh	10,00,000.00	6
Air breathing fishes	koi	1.80 Lakh	4,00,000.00	3
Ornamental fishes	Gold fish, Live bearers	7 Lakh	10,00,000.00	46
<b>Grand Total</b>		<b>969 nos Livestock + 30.55 Lakh fish</b>	<b>31,13,550.00</b>	<b>112</b>

### Performance of instructional farm (livestock and fisheries production):

Sl. No	Name of the animal/ bird / aquatics	Details of production			Amount (Rs.)	
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income
1.	Poultry	Haringhata Black & Vanaraja	Chicks	400	5,942.00	20,000.00
2.	Duckery	Khaki Campbell ducks	Ducklings	164	5,000.00	8,200.00
3.	Fish	Ruhi, Katla, Mrigel	Figerlings	2 kg	2000.00	300.00
<b>Total</b>				<b>2kg +564 no</b>	<b>12,942.00</b>	<b>28,500.00</b>

### 19.8. Sponsored programmes:

Name of the Programme/Scheme	Purpose of Programme	Date (s) of the Programmes	Funding Agency	Amount (Rs.)
Workshop-cum-Training Programme on Protection of Plant Varieties and Farmers' Rights (PPV & FR) for the farmers	Workshop-cum-Training	17.2.2016	PPV&FR Authority Min.of Ag., GoI	80,000.00
Training of Rural Youths on Improved Technology of Coconut Cultivation (1no.)	Training of Rural Youth	16-21.11.2015	Coconut Development Board, Kolkata	73,500.00
Training Programmes on IPM and Homestead production of biopesticides	Training of Rural Youth	27-30. 1.2016	NABARD, Kolkata	5,33,250.00
Seed production technologies of rice, mustard and pulses		1-4.02.2016	NABARD, Kolkata	
Cultivation of high value crops		2-5.03.2016	NABARD, Kolkata	
Technologies for organic farming and marketing of organic products		2-7.03.2016	NABARD, Kolkata	
Low cost fish feed production technology		7,9,11-12.03.2016	NABARD, Kolkata	
Operation, Maintenance and repair of commonly used farm machinaries and implement		1.02.2016-20.03.2016	NABARD, Kolkata	
Poultry farming in changing climate situation		2-5.03.2016	NABARD, Kolkata	
Publication of Leaflets				
Training of Govt. Extension Functionaries on Recent Development of Animal Disease Management (2nos)	Training of Extension Functionaries	26-27.02.2016 & 29.02.-01.03.2016	ARD Dept., Govt. of West Bengal	4,04,000.00
<b>Total</b>				<b>10,90750.00</b>

**19.9. Programme on Protection of Plant Varieties and Farmers' Rights ( PPV & FR) sponsored by PPV & FR Authority, Min. of Agriculture, Govt. of India :**

Date of organizing the programme	Resource Person	No. of Participants
17.02.2016	Dr. Narayan Ch. Sahu, PC, SSKVK, RKMVU Dr. PrasenjitKundu, SMS (Hort.), SSKVK, RKMVU Dr. A.Mukherjee, Farm Manager, SSKVK, RKMVU	225

**Areas covered during the workshop in detail:**

1. Importance of conservation of indigenous varieties,
2. Details of PPV&FR Authority and Act,
3. Farmers benefits from PPV&FR Act,
4. Collection of Data and filling up of forms for application related to variety registration, and
5. Submission of the applications to the concerned authority for variety registration

**Note:** One revised booklets, concerned with PPV & FR, was published namely, '*Udbhid Prajati Ebong Krishaker Adhikar Surakkha Karmasuchi*' (in Bengali) and 'Some Indigenous Crop Varieties of South 24 Parganas District, West Bengal' (in English)

**Crop-wise details of indigenous varieties identified**

*Plant varieties collected in the year 2015-16:*

Sl No	Plant	Local Name	Botanical Name	Family	Unique Character
1	Paddy	Khejur chhari	<i>Oryza sativa</i> L.	Graminae	
2	Paddy	Nageswari	<i>Oryza sativa</i> L.	Graminae	Hardy plant, plant height 5-6ft, no lodging. Plant can withstand upto 75-80 cm water depth, Reddish short length thick grain, especially used for 'muri' (puffed rice) yield of grain 5 ton/ha.
3	Paddy	Kabiraj Sal	<i>Oryza sativa</i> L.	Graminae	Hardy plant & can withstand upto 70 cm water depth without lodging. Having medicinal properties also. Rice quality better & also tasty with longish grain. Grain yield 4-4.5 ton/ha.
4	Paddy	Kankure	<i>Oryza sativa</i> L.	Graminae	Plant height 5-5.5 ft. Thick grain with a yield of 4-4.5 ton/ha and especially suitable for muri (puffed rice).
5	Paddy	Gheus	<i>Oryza sativa</i> L.	Graminae	
6	Paddy	Laxmi	<i>Oryza sativa</i> L.	Graminae	Cultivated in pre-kharif season (crop duration: 135-140 days), less attacked by disease-pests. Thick grain yield is 4.5-4.8 ton/ha and suitable for both rice & muri (puffed rice).
7	Ladies finger	Gach Dheros	<i>Abelmoschus esculentus</i>	Malvaceae	Biennial crop, very tall in height (10 ft). Sowing time is June and harvest period is much longer (Oct.-May) & yield: 6 Kg/plant.
8	Ladies finger	Tak Dheros	<i>Abelmoschus esculentus</i>	Malvaceae	Red colored plant with attractive reddish colour fruit also. Vit-C content is high. Fruit can harvest for long period (Oct. - Feb.) and yield is better (6-6.5 Kg/plant).
9	Snake Gourd	Lamba chicinga	<i>Trichosanthes cucumerina</i>	Cucurbitaceae	Early & vigorous fruiting habit with much longer size fruit (4-5 ft in length). Fruiting period is also spectacular (i.e. 5-6 month) and shelf life is too good.
10	Dolichos Bean	Kaberala Sim	<i>Dolichos lablab</i>	Fabaceae	Life span of this crop is quite attractive (i.e. 2 years) and it survives superbly with its resistance power (disease- pest resistance). Fruiting period: 8-9 month/year and taste is also delicious.
11	Bottle Gourd	Laxman	<i>Lagenaria siceraria</i>	Cucurbitaceae	Fruiting comes within 2.5-3 months of planting. Fruiting period 8months. Single pedicel bears two fruits in 60 percent cases & rest portion i.e. 40 percent pedicel bears single fruit in each plant. Yield is also high i.e. 200-240 fruit/ plant.
12	Snake Gourd	Hoopa	<i>Trichosanthes cucumerina</i>	Cucurbitaceae	Fruiting period: 3-4 months (June-Sept.), sweeten tasty fruit (2.5-3 ft in length), Yield: 35-40 Kg/plant.
13	Ladies finger	Ogra	<i>Abelmoschus esculentus</i>	Malvaceae	Trailing in habit, Plant spread upto 12 ft. (plant length), plant reddish in colour but can't survive in water logged condition but it's having higher disease-pest resistance. Seed form upper part of the fruit. Fruits are 4-5 inches in length & delicious in taste. Plant can survive upto 2 years if proper care is taken. Fruit yield: 5-6 Kg/plant.





**PPV & FR Training Programme**

#### 19.10. Functional linkage with different organizations:

Name of organization	Nature of linkage
Coconut Development Board (CDB)	Organizing sponsored training programme
National Fisheries Development Board (NFDB)	Organizing sponsored exposure visit of fish farmers
SAMETI, West Bengal	Attending training programmes organized by SAMETI as resource person.
Agricultural Training Centre (ATC), R K Mission Ashrama, Narendrapur	Attending training programmes organized by ATC as resource person; organizing On-campus training programme of KVK
Directorate of Animal Husbandry and Veterinary Services, Govt. of West Bengal	Project implementation on Fodder Seed Production Scheme
Directorate of Agriculture, Govt. of West Bengal	Submission of projects for implementation under ATMA & RKVY
Central Institute of Fisheries Education (CIFE)	Consultation regarding programme implementation in the field of fisheries
Indian Institute of Horticultural Research (IIHR), Bangalore	Technology demonstration on horticultural crops
National Centre for Integrated Pest Management (NCIPM), ICAR, New Delhi	Project implementation and Organizing Training Programme
National Institute of Research on Jute & Allied Fibre Technology (NIRJAFT)	Project implementation under Tribal Sub Plan (TSP)
Dept. of Microbiology, Faculty of Vet. & Ani. Sciences, West Bengal University of Fisheries & Animal Sciences (WBUAFS)	Analysis of Milk samples for OFT
Bidhan Chandra Krishi Viswavidyalaya	Technology dissemination
National bureau of Soil Survey & Land Use Planning (NBSS & LUP) Regional centre, Kolkata	Organizing sponsored training programme under Tribal Sub Plan (TSP)
ATMA	Project implementation
Sunderban Milk Union	Marketing linkage
Indian veterinary Research institute, ERS, Belgachia, Kol-37	Epidemiological analysis of milk samples
West Bengal University of Animal & Fishery Sciences, Belgachia, Kol-37	Student guidance on MVSc thesis

#### 19.11. List of VIP visitors to SSKVK:

Date	Name of the person	Purpose of visit
15.01.2016	Dr. T. Mohapatra, DG, ICAR	Chief Guest of National Seminar, Conducted by RKMVU
20.01.2016	Mr. Sanjeev Chopra, Secretary, Govt. of WB, Dept. of Ag	Visit to stall of KVK at 49 <sup>th</sup> Annual Fair of LSP and ATC, Narendrapur
25.03.2016	Dr. S. Ayyappan, Ex-DG, ICAR	Visit to the KVK

Date	Name of the person	Purpose of visit
16.01.2016	Dr. AK Sing, DDG (Ag. Extension)	
10.10.2015 & 5.12.2015	Dr. A. K. Singh, ZPD, Zone-II, ICAR	Farmer Scientist Interaction, World Soil Day Celebration
15.01.2016	Dr. Chirantan Chattopadhyay, Director, NCIPM	National Seminar, Conducted by RKMVU
16.01.2016	Dr. Krishna Srinath, Ex-Director, NRC for Women in Ag.	National Seminar, Conducted by RKMVU
15.01.2016	Dr. Himanshu Pathak, Pr. Scientist and Professor, Division of Environmental Science, IARI	National Seminar, Conducted by RKMVU
15.01.2016	Dr. Pranab Talukdar, Professor and Head, Dept. of Genetics, AAU	National Seminar, Conducted by RKMVU
15.01.2016	Dr. S. Satpathy, Ex- Director (I/C), CRIJAF	National Seminar, Conducted by RKMVU
16.01.2016	Mr. Amit Das, AGM, NABARD, Kolkata	National Seminar, Conducted by RKMVU
16.01.2016	Mr. Jayanta Chakraborty, GM (E), Indofil Indus. Pvt. Ltd.	National Seminar, Conducted by RKMVU
16.01.2016	Dr. Partha Ranjan Dasgupta, Emeritus Consultant, Syngenta Foundation	National Seminar, Conducted by RKMVU
14.03.2016	Dr. D. C. Nayak, Head, NBSS & LUP Reg. Centre	Training Conducted by NBSS&LUP
14.03.2016	Dr. A. K. Sahoo, Pr. Scientist, NBSS & LUP Reg. Centre	Training Conducted by NBSS&LUP
14.03.2016	Dr. K. Das, Pr. Scientist, NBSS & LUP Reg. Centre	Training Conducted by NBSS&LUP
23.09.2015	Dr. Samarendra Nath Khanra, Dy. Director, Dept. of FPI & Horticulture	SAC Meeting
16.04.2016	Dr. Sujit Kr. Mitra, Director (Ag. Extension), ICAR	KVK Visit

## 19.12. Details of HRD programmes (Seminars, workshops, Trainings during 2015-16) undergone:

### National Seminar/ Symposium:

- i) National Seminar on 'Soils-Solid Ground for Life, Impact of Fertilizer Policy on Soil Health and Balanced Fertilization' at ICAR - ATARI, Zone II, Kolkata, organized by Fertilizer Association of India (FAI), December 15, 2015.
- ii) "Resource Based Agriculture and Rural Development: Opportunities and Challenges" at Integrated Rural Development & Management Faculty centre (IRDM), Ramakrishna Mission Vivekananda University (RKMVU), Kolkata, India, January 15-16, 2016.

### iv) Training/ Workshop:

Subject/Topic	Concerned Person	Dates	Venue & Organized by
Seed Production Technologies	Mr. A. Mukherjee	9-10th Feb, 2016	ATC, Narendrapur.
Advance Agriculture and Allied Technology in Farm Sector	P. Kundu & A. Mukherjee	21-22 March, 2016	FACC, DEE, BCKV
Application of Remote Sensing & GIS in Agricultural development	P. Kundu	2-5 <sup>th</sup> Nov., 2015	ATC, Narendrapur org. by SAMETI, W.B.
Sunderban emergences and responses	Swagat Ghosh	07-10 /3/2016	ICAR-CIBA Kakdwip/CIFE Mumbai
Expert consultation on ornamental fish culture	Swagat Ghosh	29 /2/2016	NFDB-Hyderabad
Organic farming	Swagat Ghosh	7-9 <sup>th</sup> January, 2016	WBUFAS
World Environment Day Celebration	N.C.Sahu	6 <sup>th</sup> June, 2015	Bose Institute, Kolkata
Zonal Workshop of KVKs, Zone-II	N.C.Sahu	26-27 <sup>th</sup> May, 2015	CIFRI, Barackpore
Orientation Programme on IPM	Abhijit Ghosal	16-18 <sup>th</sup> June, 2015	FACC, BCKV org. by NCIPM, New Delhi
Take it to farmers-farmers right through awareness generation	N.C.Sahu and S. Gantait	7 <sup>th</sup> July, 2015	NASC Complex org. by PPV&FRA, Ministry of Agriculture, GOI
87 <sup>th</sup> ICAR Foundation Day Celebration and 9 <sup>th</sup> National Conference of KVKs	N.C.Sahu, A.Ghosal, P.Kundu & S.S.Ghosh	25-26 <sup>th</sup> July, 2015	Srikrishna Memorial Hall, Patna, Bihar org. by ICAR

Cluster demonstration on pulses and PPV&FR	Abhijit Ghosal	08-10 December, 2015	FACC, BCKV org. by NCIPM, New Delhi
<b>v) Summer School &amp; Winter School:</b>			
<b>Summer School:</b> Recent advancement in fish genetics	Swagat Ghosh	10-30/06/2015	ICAR-CIFA
<b>Winter School:</b> Advances in improvement in vegetable crops using biotechnological approaches	Prasenjit Kundu	18/9/2015-8/10/2015	Div. of Veg. Science, ICAR-IARI, New Delhi

### 19.13. Literature Developed/Published (with full title, author & reference):

(a) Research paper:

	Title	Authors name
1	Bioefficacy of new ready mixed insecticide (Novaluron 5.25% + Indoxacarb 4.5%sc) against pigeonpea pod borer ( <i>Helicoverpa armigera</i> Hubner). <i>Legume Research</i> . 39(1): 135-139. 2016.	<b>Ghosal Abhijit.</b> , Dolai, A. K. and Chatterjee M.L.
2	Infestation of banana pseudo-stem Weevil on martaman cultivar in relation with weather parameter and its survey in different blocks of Nadia. . <i>Indian Journal of Entomology</i> , 77(1): 18-20. 2015.	Devi Laishram L. <b>Ghosal A.</b> , Bandyopadhyay B.
3	Bioefficacy of New Ready Mixed Insecticide Novaluron 5.25% + Emamectin 0.9% SC against Diamond Back Moth ( <i>Plutella xylostella</i> L.) in Cabbage in West Bengal. <i>Madras Agriculture Journal</i> , 102(1-3): 75-79. 2015.	<b>Ghosal A.</b> , Dolai, A. K. and Chatterjee M.L.
4	Plethora (Novaluron + Indoxacarb) insecticide for the management of tomato fruit borer complex. <i>Journal of Applied and Natural Science</i> Vol. 8 No. 2 June issue, 2016	<b>Ghosal A.</b> , Dolai, A. K. and Chatterjee M.L.
5	Genetic diversity of some banana genotypes collected from various parts of India through RAPD analysis	<b>Kundu P.</b> , Bauri F.K. and Maji S.
6	Phyto-sociological attributes of weed flora in major crops of red and lateritic belt of West Bengal. <i>Indian Journal of Weed Science</i> , Volume- 47, 2015 Issue-1 Page No: 89-92	B. Duary, <b>A. Mukherjee</b> and M.K. Bhowmick
7	Occurrence of Marbled Shrimp <i>Saron marmoratus</i> (Olivier, 1811) (Decapoda: Caridea: Hippolytidae) in Lakshadweep Archipelago, India. <i>Proc Zool Soc</i> (2016) 69:157-160	<b>S. Ghosh</b> , Sibi Thaitharanikathil Baby, Gopi Mohan, Sherine Sonia Cubelio & M. Sudhakar
8	Vennami culture and its importance. <i>Fishing chimes</i> Vol. 2.No.1	Swagat Ghosh & N. C. Sahu
9	Effect of micronutrient supplementation on hormonal profile of local goat and sheep breeds of West Bengal. <i>Indian Journal of Animal Science</i> . 86(2): 224-225 [ NASS: 6.1]	Kujur K, <b>Ghosh Sarbaswarup</b> , Batabyal S, Mukherjee J.
10	Proximate Composition of Some Mangrove Leaves Used As Alternative Fodders in Indian Sunderban Region. <i>International Journal of Livestock Research</i> , 5 (11), 62-65. doi:10.5455/ijlr.20151028101607	<b>Ghosh, Sarbaswarup.</b> , Chatteraj, S. & Nandi, A
11	Nitrogen Management by using Leaf Colour Chart in Kharif Rice in Alluvial Soils of West Bengal, <i>J. Krishi Vigyan</i> , 3(2) : pp 69-72.(2015)	<b>Das Indranil and Sahu, N.C.</b>
12	Studies on farmers' perception regarding soil health management with special reference to organic matter, micronutrient and soil management through participatory survey'. <i>Ind. Res. J. Ext. Edn. Special Issue</i> . 2015	<b>Sahu, N.C., Das, I. and Goswami, B.</b>

13	Synthetic Seed Production of Medicinal Plants : A Review of Influence of Explants, Encapsulation agent and Matrix, Acta Physiol Plant, 37 (98) : pp 1-12. 2015	Gantait Saikat, Kundu Suprabuddha, Ali Nasim and Sahu N.C.
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**(b) Seminar/conference/ symposia papers:**

1	Impact of insecticides on beneficial Rhizosperic Microorganisms, Soil Arthropods and Earthworms. Proceedings of the National Seminar on “Resource Based Agriculture and Rural Development: Opportunities and Challenges”. Integrated Rural Development & Management Faculty centre (IRDM), Ramakrishna Mission Vivekananda University (RKMVU), Kolkata, India, January 15-16, 2016.	Abhijit Ghosal, Anusheweta Hati
2	Understanding Socio-economic and biophysical determinants of insecticides use variability on vegetable based cropping system in coastal saline zone of West Bengal. Proceedings of the National Seminar on “Resource Based Agriculture and Rural Development: Opportunities and Challenges”. Integrated Rural Development & Management Faculty centre (IRDM), Ramakrishna Mission Vivekananda University (RKMVU), Kolkata, India, January 15-16, 2016.	Abhijit Ghosal, Purnabha Dasgupta, Santanu Dutta
3	A survey on vegetable production and productivity on some selected vegetable growing belts of South 24 Parganas district of West Bengal	Avishek Thakur & Prasenjit Kundu
4	Survey and Distribution Pattern of different Species of Weedy Rice in different Rice Eco-system under Red and Lateritic Belt of West Bengal. “Resource Based Agriculture and Rural Development: Opportunities and Challenges”. Integrated Rural Development & Management Faculty centre (IRDM), Ramakrishna Mission Vivekananda University (RKMVU), Kolkata, India, January 15-16, 2016.	Mukherjee, A. and Duary, B.
5	Perception of constraints of crop production in Diara Land situation of Malda district	P.K. Gangopadhyay, N.C. Sahu
6	Analysis of constraints backyard poultry farming and the factors affecting its sustainability in Sunderban region of West Bengal	Sumanta Dumrya, Sarbaswarup Ghosh, Rupak Goswami, Sima Das

**(c) Popular Articles:**

1	“Cultivation of high value crops” published in Annual Bengali Magazine of “Gram Sabha Praktoni”, Ramakrishna Mission Ashrama, Narendrapur during 2015. pp. 64-66.	Dr. A. Ghosal
2	“Botanical Pesticides: Importance in Modern agriculture”- published in Samaj Sikha (Puja issue), 2015. PP. 517.	Dr. A. Ghosal
3	“Disease management of vegetable crops” published in a magazine SOMAJ SIKHA, published by Ramakrishna Mission Ashrama, Narendrapur during 2015. pp. 131-132.	Dr. A. Ghosal
4	“Weeds and their management in rice field” published in a Puja special issue of the magazine SOMAJ SIKHA, published by Ramakrishna Mission Ashrama, Narendrapur during 2015.	Mukherjee, A.
5	‘Bigyansammatavabekhorgoshpalon’ (Scientific Rearing Technologies of Rabbit) (Bengali) published in special agriculture issue of ‘Samajshikshya’ (June 2015), from Belur Math	Dr. S. S. Ghosh
6	‘Murgir Sit kalinParicharya’ (Management & care of poultry birds in winter)’ (Bengali) published in ‘GramsevaPraktani’ (Jan 2016)	Dr. S. S. Ghosh
7	‘MuktanganMurgiPalon’ (Backyard variety of poultry birds for West Bengal) published in ‘Poultry Jagat’ (Apl Ed, 2015)	Dr. S. S. Ghosh
8	“ Broccoli- sabuj kapi chase labher notun disha”- published in Samaj Sikha (May-June issue), 2015	Dr. P.Kundu
9	“Labhdayak Capsicum”- published in Samaj Sikha (Juyly-Aug),2015	Dr. P.Kundu
10	Sahaj padhotite galda chingrir chas. Matsyabondhu, Vol. 33.page-13-17	Swagat Ghosh & N. C. Sahu
11	GIFT Tilapiar utpadon projukti. Gramseva Pracktoni, LSP, Page39-43	Swagat Ghosh
12	Sahaj padhotite Vannamei chingrir chas. Matsya Sangbad Vol.2	Swagat Ghosh



13	Monosex tilapia adhunik chas. Matsya kutir, page-3-7	Swagat Ghosh
14	Krishi Byabosthar Baniyikikaran (Commercialisation of Agriculture), Samaj Siksha, 59 (3), June 2015: pp 125-128.	Sahu, NC

**(d) Books:**

1	Effects of different insecticides on vegetable based cropping system (ISBN: 978-3-659-81671-0). Lambert Academic of Publishing, Germany.	Ghosal A., Dasgupta P. & Dutta S. (2015).
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**(e) Book Chapter:**

1	Aquarium setting and their management. ICAR-CIFE CAFT training manual.	Swagat Ghosh	
2	Marine fishes: an introduction. ICAR-CIFE CAFT training manual	Swagat Ghosh	
3	Weeds at a glance, published from ICAR	Mukherjee, A. and Duary, B.	Communicated

**(f) Technical reports/ Booklet:**

1	Cultivation Technology of Pulse Crops and Its IPM	Ghosal Abhijit. Mukherjee A.
2	Some Indigenous Crop Varieties of S-24PGS District, WB	Kundu Prasenjit

**(g) Extension Pamphlets/ literature/leaflet:**

1	“Improved Technologies of Cultivation of Mustard”	Gantait S, Ghosal Abhijit
2	“Cultivation of Hybrid Sunflower”	Gantait S, Ghosal Abhijit
3	“Integrated pest management of Rice”	Abhijit Ghosal
4	IPM of Chilli	Abhijit Ghosal
5	Preparation of Organic Pesticides	Abhijit Ghosal
6	Seed Treatment Procedures	Abhijit Ghosal
7	Broccoli- sabuj kapi chaser labher notun disha	Prasenjit Kundu
8	Labhdayak Capsicum	Prasenjit Kundu
9	Mishra mach chas	Swagat Ghosh
10	Jiol macher chas	Swagat Ghosh
11	Rongin mach chas	Swagat Ghosh
12	Golda chingrir chas	Swagat Ghosh
13	Monosex tilapia chaser notun disha	Swagat Ghosh
14	Galda chaser saahaj paddhati	Swagat Ghosh
15	Weeds and their management in rice crop	Mukherjee, A.
16	Organic Farming- an alternate tool in increasing the production	Mukherjee, A.
17	Soil collection and sampling techniques for soil testing	Sujit Mal, NC Sahu

18	Vermi compost preparation techniques	Sujit Mal, NC Sahu
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#### 19.14. Other Activities:

##### (a) Celebration of World Soil Day & Soil Health Card Distribution:

Date	Name of KVK	Venue of the Programme	No. of Participants	No. of Soil Health Cards distributed
05.12.2015	Sasya Shyamala Krishi Vigyan Kendra	IRDM Faculty Centre, Ramakrishna Mission Vivekananda University, Ramakrishna Mission Ashrama, Narendrapur	103	298



**Soil Health Card Distribution**

##### (b) SMS Portal:

Date of start of functioning of SMS portal								
No. of messages	No. of calls	No. of farmers covered	Types of messages (No.)					
			Crop	Livestock	Weather	Marketing	Awareness	Other
305	-	1050227	186	15	12	14	20	58

##### (c) Surveys conducted by the KVK:

- Studies on the Characterization and categorization of different Insecticides used in vegetable based cropping Systems in Some Selected Area of South 24 Pgs district.
- Survey on vegetable production and productivity on some selected vegetable growing belts of South 24 Parganas district of West Bengal.
- Survey on Status of Backyard Poultry Farming in Indian Sundarban Region.
- Survey on Social, Economic, And Production Characteristics of Freshwater Prawn, *Macrobrachium Rosenbergii* (De Man, 1879) Culture In South 24 Parganas, West Bengal.

##### (d) Success stories/Case studies/Special achievements, if any (two or three pages write-up on each case with suitable action photographs):

- The newly established SasyaShyamala KVK took up poultry development from the very first year in 2014 in different villages. One such village was Moutala of Baruipur block of South 24 Parganas district, West Bengal. Most of the farmers of this village were not doing well in traditional poultry farming practices due to lack of adoption of improved management practices and marketing facilities of the eggs. Local farmers traditionally used to rear 'Deshi' duck and poultry breeds, and sold surplus eggs to middlemen. Market of egg in the villages was controlled by middlemen who gave very low prices for the eggs. Many farmers abandoned

poultry venture out of frustration. SasyaShyamala KVK of West Bengal started their programmes in the village and promoted improved poultry production using introduction of better poultry breeds and management practices. KVK conducted training and Frontline Demonstrations (FLD) on Poultry Breeds and Artificial Brooders. KVK formed groups with interested poultry growers for scientific rearing of Khaki Campbell Ducks and Vanaraja Chicken breeds and helped the farmers with technological guidance and some critical inputs like improved chick breeds, timely vaccination etc. As a result of KVK's intervention, poultry egg production of both duck and hen increased. An intervention in marketing of eggs was needed as the next step.

Sasya Shyamala KVK tied up with District Administration of South 24 Parganas district and 'Sundarban Co-Operative Milk & Livestock Producers' Union Ltd (SMLU)' for marketing of eggs from village grown ducks and chickens directly to urban customers. As per the understanding, farmers now get Rs.5.50 per egg throughout the year. This price offered by District Administration is more than the price offered by traders and middlemen to the extent of Rs. 1.00 – Rs.0.50. Now on an average, 5000 duck and 2000 poultry eggs are being directly marketed per month in the brand name of 'Sundorini'. The 'Sundorini' brand was inaugurated by Hon'ble Chief Minister of West Bengal Smt. Mamata Banerjee on 9<sup>th</sup> October, 2015. Benefits of marketing linkage for eggs presently cover more than fifty households in the operational area.



#### (e) Details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year:

**Integrated Pest Management of Rice:** Sasya Shyamala KVK conducted on farm testing on Integrated Pest Management (IPM) of boro paddy in 5 ha area at Uttar Raipur village, Budge Budge-II, S-24 Pgs during this year as a method of transfer of technology. The technology has been demonstrated in 20 farmers field.

#### Major components:

- i) Physiologically mature seed selection followed by Seed Treatment with Carbendazim 12% + Mancozeb 63% WP
- ii) Seedling dip in Carbendazim 12% + Mancozeb 63% WP
- iii) Application of Chlorantraniliprole 0.4% GR @ 4kg/acre at 15-45 DAT
- iv) 2 rows skip transplanting after 10 rows
- v) Installation of Pheromone trap for Stem borer @ 12/ha
- vi) Erection of Bird percher and structure for spider population build up.
- vii) Need based spot application of Fipronil @ 0.5 ml/l

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## **20. VIVEKDISHA—An ICT Based Network, the tele-education programme of RKMVU:**

**Inspiration: Swamiji's Vision-** Swami Vivekananda felt that his vision of a **new India combining the hoary spiritual heritage of the East and the modern science and technology of the West** could be actualized by the hard work of a dedicated band of youth fired with a spirit of selfless service. He had a comprehensive plan for community development, both urban and rural, integrating the best elements of the East and the West. He gave a new philosophy of work for the modern world. One of the important principles Swami Vivekananda

learned from his Master, Sri Ramakrishna, was *Shiva Jnane Jiva Seva*—‘service to living beings looking upon them as veritable embodiments of the Divine’.

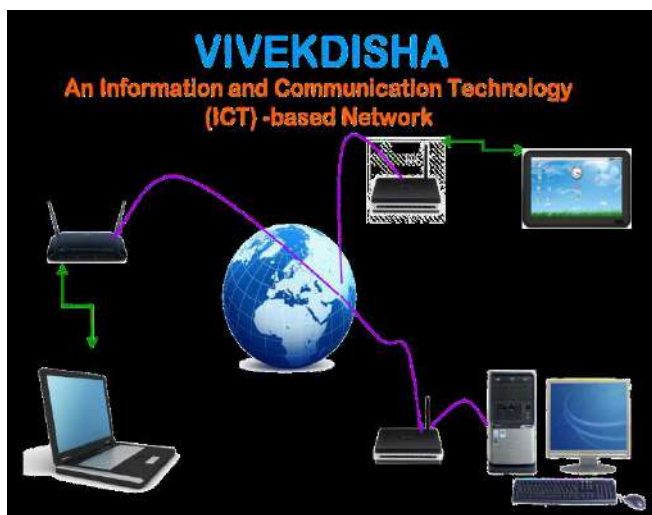
**VIVEKDISHA** is an information and communication technology (ICT) –based network of Ramakrishna Mission Vivekananda University, Belur, Howrah, West Bengal, India. It is providing a single window –based services like online education from secondary to undergraduate level, online teachers’ training, Spiritual Heritage programmes, telemedicine services and research programmes.



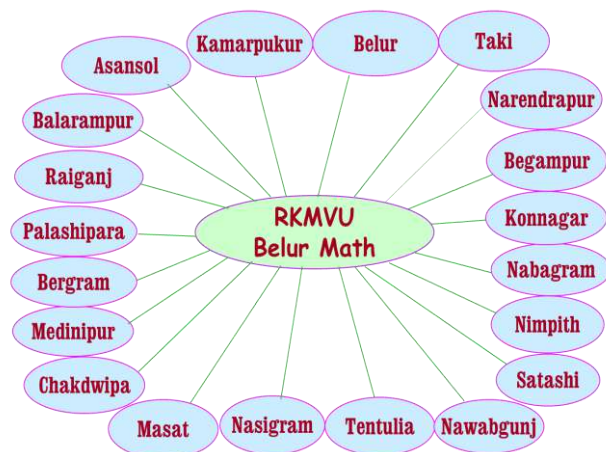
#### **VIVEKDISHA Network:**

At present we have 21 VIVEKDISHA centres in West Bengal for Online and offline education, teachers training and other activities. The University has the provision to connect **twenty five centres** for videoconferencing through **Internet Broadband facility** anywhere at anytime on the globe. The centre at University, Belur Math is the Expert Centre, while the other centres in West Bengal and other areas are participating centres. The distribution of the Vivekdisha Centres in West Bengal is wide enough to cover a greater part of the State of West Bengal—from Raiganj, in the north of the state, to the Sundarban region in the south, and to the district of Bardhaman in the west. All the Vivekdisha Centres are located in the branch centres of Ramakrishna Mission or in places where ex-students/devotees of Ramakrishna Mission run centres with dedication to the Ramakrishna-Vivekananda ideology.





### VIVEKDISHA Network in WB (April 2015)



### No. of Vivekdisha online & offline centres, book banks:

Online Centres	No.	Offline Centres	No.	Book Banks	No.
Expert centre	1	Number of Schools	1	Number of Schools	17
Number of Schools	18	Total students	410	Number of books given	4000
Number of Colleges	2				
Individual Log in	5	Online Teachers' Meeting	2 days		
International Log in	21	Teachers' Workshop	4 days		
Total Students	10521				

### The current programmes Vivekdisha are:

The VIVEKDISHA network run by Ramakrishna Mission Vivekananda University has taken up the following educational programmes.

#### Tele-education : Our Programs

- **Online education** : Class 6 to Graduation; Subjects- Physics, Chemistry, Mathematics, Life Science, Communicative English, Computer Science, Value Education.
- **Offline education** : Communicative English, History, Geography, Value Education
- Tele-medicine services
- Research in education and other areas
- Spiritual Heritage programme for International Audience
- Teachers' training
- Creation of Book Bank at different centres.



On-line Mathematics Class from  
VIVEKDISHA University Centre



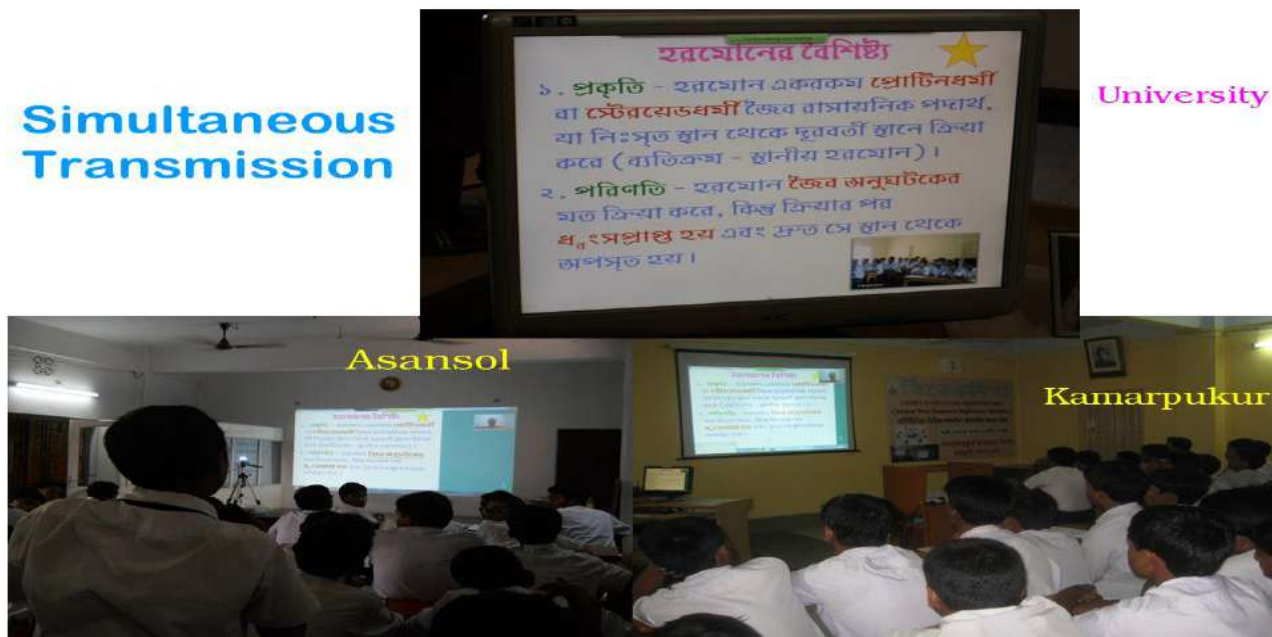
*Online classes are conducted  
mainly from the University Expert Centre*

**Tele-education:** Tele-education is the use of information and communication technology to provide online and offline education. In today's world, education is needed for sustainable development. Tele-education encompasses a new vision of education that seeks to empower people of all ages to assume responsibility for creating and enjoying a sustainable future. As the world is gradually becoming more and more connected, ICT-based teaching practices in education are being extensively used and emphasized, although face-to-face meetings or synchronous interaction in real time are still required to supplement asynchronous and independent learning, if more effective learning is to take place. ICT facilitates a high level of interaction among students and the teacher, with the aid of multimedia-based materials. Hence, communication can be dynamic between the teachers and students through video-conferencing.

ICT-based learning offers greater diversity of learning goals, projects, activities, and exercises than traditional classroom learning. Also it allows the learners to make full use of their own multiple cognitive abilities and conative powers. In the ICT-based teaching-learning process, teachers and students alike are enthused because teaching becomes more dynamic, expanding their vision and making available high quality study materials. Moreover, teachers are motivated to teach more creatively and to exchange lesson plans and pedagogical strategies with their colleagues all over the globe even on a day to day basis.

## Simultaneous Transmission

University



### What exactly happens in an online class? :

A teacher teaches using a digital notepad or multimedia presentation prepared by using computer software. This is transmitted simultaneously to all the centres logged in to the University Expert Centre. In these centres the students are able to see and hear the teacher, the multimedia presentation, the notepad as well as students at other centres who are also participating in the online class. At the same time, the teacher at the University Expert centre or anywhere on the globe can see and hear all the participating centres. It is a virtual class room whose boundaries are not defined! It makes a vibrant interactive virtual classroom environment for the teacher and students at various geographically isolated centres.

### On-going Activities:

The regular transmission of various programmes through the VIVEKDISHA Centres has generated great enthusiasm besides opening up enormous possibilities for the all-round development of the locality in which these centres are situated. Programmes are transmitted from the **University Expert Centre at Belur Math** with unerring regularity.

### Multimedia based Science Class is in progress at Participating Centre



### Online classes a Salient Features:

(a) Classes are held in Bangla or in English, for the students of Classes six to twelve in an interactive mode for the benefit of participants. In case of higher classes the medium of instruction is English.

b) ICT tools like PC, laptop, LCD monitor, camera, digital notepad, projectors, audio system, many software etc. are used to make the teaching-learning process not only more effective, but more joyful and fruitful as well.

c) Interactions and discussions give the learners certain inputs that take them to a slightly higher level than the classes in which they are presently studying.

d) The technique of tackling questions and the art of writing precise and relevant answers are also highlighted with examples.

e) Students are encouraged to ask questions till they gain a proper understanding of the topic under discussion.

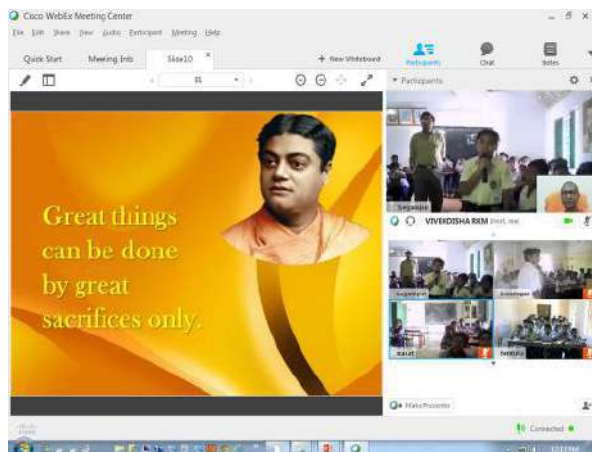
f) Teachers from different institutions are giving free service.





g) The time table is modified/expanded according to the feedback received from different stakeholders especially students.

**Youth Interaction across various regions:** It has become a fashion, and perhaps an obsession, among the youth to communicate with one other and exchange views through the internet and other online devices that are now freely available. These devices doubtless have their vicious influences, but cannot be totally avoided. In tune with Swami Vivekananda's thoughts, these very devices could be turned into agencies for positive and elevating thinking and education if the youth could be properly guided. The online networking involving the youth that we are trying to building up, which may be called the Youth Thought Exchange Programme Initiative, is a step towards building bridges of national and international level understanding.



**Classes in different schools at a time**



**Interaction during Class**

The common focus being science or humanities education blended with value education, these students unconsciously form a bond of understanding which is a powerful tool to remove their misconceptions of caste, regional, linguistic and religious prejudices and bias gathered through wrong and negative education. We may hope one day our online students will be able to contribute a positive step towards regional, national and world peace. In this system, the students are given a wonderful opportunity to spread their wings to grow with liberal attitudes by taking their lessons regularly with the students of other parts of the state.

**Schools Covered Under Vivekdisha:** 8 Rural Schools and 10 Urban Schools.

8 Rural Schools are at Kamarpuku, Begampur, Chakdwip, Balarampur, Bergram, Palshipara, Nasigram and Nimpith. 10 Urban Schools are at Asansol, Medinipur, Raigange, Satashi, Taki, Tentulia, Nawabgunj, Masat, Nabagram, and Konnagar.

<b>VIVEKDISHA Student Attendance: Online + Offline (Approx)</b>	
<b>All Classes - Year wise</b>	
Year	No. of students
2008	120
2009	250
2010	446
2011	1386
2012	3729
2013	6826
2014	8511
2015	<b>10521</b>



## **Results in Secondary Examination 2015:**

### **Class 10 Online Classes**

<b>Ramakrishna Mission Schools</b>	<b>Students appeared</b>	<b>1<sup>st</sup> Division</b>	<b>2<sup>nd</sup> Division</b>	<b>3<sup>rd</sup> Division</b>	<b>Star Marks*</b>	<b>Highest Marks (out of 700)</b>
<b>Asansol</b>	132	132	-	-	131	674
<b>Kamarpukur</b>	113	109	3	1	85	666
<b>Midnapore</b>	112	111	1	-	101	671
<b>Taki</b>	56	56	-	-	51	672
<b>Total</b>	<b>413</b>	<b>408</b>	<b>4</b>	<b>1</b>	<b>368</b>	
<b>Star Marks*: 75% and above in Aggregate</b>						
<b>Ranks in the State merit list in class 10<sup>th</sup> examination of West Bengal Board of Secondary Education 2015: 10<sup>th</sup> and 12<sup>th</sup> Ranks.</b>						

### **Content Generation:**

(a) **For School and college education:** Content generation is one of the key factors in teaching science, Value Education and communicative English. The contents published in print media cannot be updated in a short span of time, but in the case of ICT-based content, easy and swift revision and updating are made possible through circulation of content both to the learners and to other experts/professionals in the field of science teaching, Value Education and communicative English, who can make suggestions for updating information.

(b) **Development of Multimedia-based Study Materials with Special Focus on Higher Values of Life:** Multimedia based study materials for different science subjects, communicative English, etc., are being prepared and constantly upgraded keeping in view the value education aspect by incorporating positive ideas based on Swamiji's teachings.

### **Telemedicine:**

Telemedicine technology makes it possible for doctors at a hospital or an Expert Centre to examine, advise and direct the treatment of patients in remote centres. The technology gives rural residents access to medical specialists who are not often available in remote areas. This saves the patient the cost of travelling to the doctor for advice and treatment and also allows family members to participate in the discussions. The specialist service may involve general diagnosis of disease, dermatology, orthopaedics, pathology,

etc. This technology can also be used to provide follow-up care for patients who have had surgical interventions. This service will also help the non-specialist and local doctors to gain advanced knowledge that would enable them to treat their patients better.

### **Telemedicine Service: Brazil**

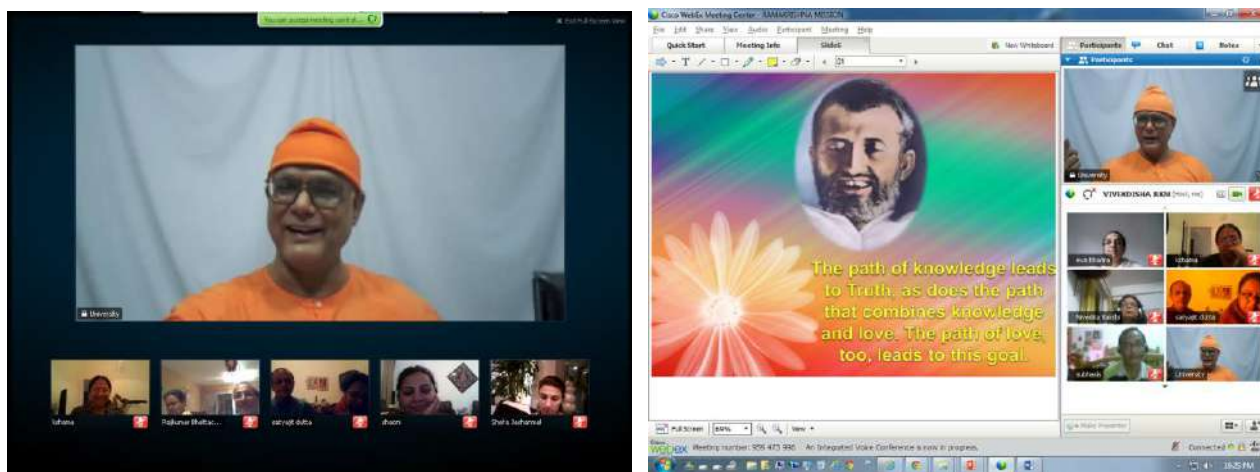


### **Spiritual Heritage Programme for International Audience:**

Vivekdisha is trying to cater the need of the devotees residing in faraway places from their homelands. At present devotees of Sri Ramakrishana are joining the bilingual class on “Sri Sri Ramakrishna Kathamrita” (The Gospel of Sri Ramakrishna) from different countries like Canada, United Arab Emirates (Dubai, Abu Dhabi, Sharja, Dubai), United States of America (Cleveland, Pennsylvania, Fargo). One of the overwhelming statements made by a devotee after attending the initial class is:

“It is just past noon on a Saturday afternoon. I am in my home in Pennsylvania - thousands of miles away from Belur Math..... not really..... I am just a click away from attending a live on-line class on my favorite book

Kathamrita by Sri M (Sri Mahendranath Gupta). I will soon get to hear Sri Ramakrishna's Amritavani not just read out to me but also expounded upon by Swami Atmapriyanandaji, the Vice Chancellor of Vivekananda University.



## Spiritual Heritage Programme for International Audience

Technology, the yearning of the monks of the Order to serve the needs of devotees in faraway lands and the desire of the Bhaktas (devotees) to know more about our Beloved Thakur has made it possible for us to share in this enchanting experience. Kathamrita is becoming a wonderful source of Satsang for so many of us Guru brothers and sisters (disciples) sitting in different parts of the world. What better Satsang can we ask for but to hear Kathamrita directly from a Monk of the Ramakrishna Order? Thank you Thakur for blessing us with this wonderful opportunity to be here in this world at this time and partake of Your words, thoughts, actions and divine guidance on-line!"

### Value Education:

Inculcation of higher human values is one important objective of the VIVEKDISHA Project, particularly in the youth. Values imbibed and practised in one's own life makes life valuable and living joyous. To inculcate the attitude of practising higher ideals in life and to influence young minds right from the school days, VIVEKDISHA has taken up this value education programme, which used multimedia presentations to illustrate Ramakrishna-Vivekananda teachings for students of various age groups, followed by a lively interactive session. Spiritual classes have also been conducted for youth and adults at various centres through videoconferencing from the Expert Centre at University.

Value education books are introduced through creation of Book Banks at different schools and also taken up as rapid readers at different classes to promote values in life.



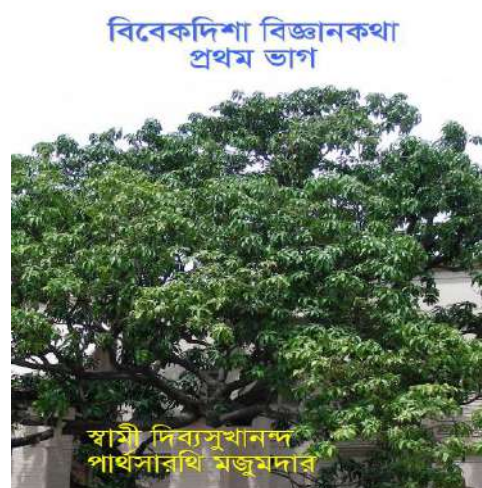
## Other Activities:

### 1) Bringing out Integrated Science Text Books with modern ideas:

We are keenly scrutinizing science books that have been published at the secondary and higher secondary levels, and trying to eliminate and correct certain fundamental errors that have crept into them and unfortunately perpetuated for decades on end. We are trying to put our expertise in the field of Physical and Life Sciences to rectify such fundamental errors by drawing attentions to many professors, teachers, authors and administrative personnel of various universities, colleges, schools and educational bodies. As a result books for classes 6 to 8 are published by West Bengal Board of Secondary Education accepted our most of corrections for these classes.

**Publication of a concept-based Science book for Secondary students:** VIVEKDISHA has published a book on Science of International standard in Bangla to build students' science concepts with an integrated approach to various subjects the students learn at the secondary level. This book is also tool for the teachers at secondary level in the following way:

- To refresh one's science understanding of the topic and to gain awareness of potential misconceptions that the students may bring to the topic
- To use the thoughtful questions in the book to find out what the students already think and why they think that
- To use the concepts to decide what the students need to think about next
- To select lab demonstrations mentioned in the book that will support the intended learning of the young learners



## 2) Workshops with Teachers at several places:

Educational expectations and curricula are constantly evolving. Advances in technology require new skills and offer new ways of learning, both in school and later in a complex and changeable socio-economic situations. Professional development helps teachers keep up with those changes and pass them on to their students. Professional development for one teacher benefits the entire school by bringing fresh ideas, insights and enthusiasm to everyone. Good teachers become great teachers by going beyond the call of duty and beyond the textbook. To do this, he or she must continue their education. Our workshops with teachers intended to provide the teachers extra help to equip them better motivated teachers. Our workshops also provide an opportunity to understand how to integrate technology into the classroom and how to make it cross curricular.



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**3) Online Teachers' Training:** Our everyday online Teachers' training programme is a real demonstration of teaching methods, screening and selection process of contents and integration of the contents with various other topics and above all innovative methods of building up of the concepts among the students.

**4) Online Life Science Teachers Workshops:** What's the best thing about this online Life science Teachers meet? The teachers, of course! To meet teachers of different schools urban and rural, to share the ideas of concept-based and innovative teaching ideas and also to understand the role that multimedia-based VIVEKDISHA online education plays for students. Through this meeting we are assisting teachers in the process of building capacity to bring a positive change in teaching-learning methods. The goal is to get others involved in learning and creating so that the workload is shared. This process of new initiative in a school need to be integrated with teaching of various subjects and co-curricular activities and not just science teaching.



**5) Creation of Book Banks in different Schools:** Putting quality books in the hands of the children who need them most. VIVEKDISHA has pioneered groundbreaking channels to provide quality books and educational resources for free to schools serving children in need. We provide teachers and school administrators with greater access to high-quality books that otherwise would not be available to them. Through Book Banks created by VIVEKDISHA in different schools, educators can create enriched learning experiences for their students, and the children can enjoy an ongoing supply of wonderful quality books for their joyful learning.



**6) International Programmes:** To address widening health and social inequalities, VIVEKDISHA at Ramakrishna Mission Vivekananda University (RKMVU), Belur Math, and the Global Health Share® (GHS) initiative at the University of California, Davis (UCD) have begun a novel partnership to improve public health education and outreach efforts and to promote research that will contribute to nutritional health and increased food security in rural, low-income regions adversely impacted by climate change and seasonal disasters.

**Salient features of our present International Programmes:**

- Create new partnerships between RKMVU and UCD faculty, researchers, and students, laying the groundwork for future interdisciplinary collaborations
- Promote cultural exchange and bidirectional learning between international groups
- Understand the influence of culture on the practice of global health, health education, and outreach
- Promote nutritional health, food security, and an upgraded standard of living in rural communities, through the use of innovative education and training technologies

**7) Expert Services:** VIVEKDISHA has been able to successfully provide expert services including online expert services by involving scholars and technical experts from around the globe to support our project with a diverse wealth of expertise, ideas and contacts. This online collaboration from experts and scholars from various parts of the globe is a valuable addition to our services under the VIVEKDISHA scheme. Among the scholars and experts who deserve special mention are the following:

- (1) Swami Shraddhamayananda, Head, RKM Dispensary, Belur Math
- (2) Swami Suratmananda, College of Teacher Education, Belur Math
- (3) Dr. Parthasarathi Majumdar, Professor, Dept. of Physics, Ramakrishna Mission Vivekananda University, India
- (4) Mr. Anindya Mukherjee, Teacher in Mathematics, Dasnagar, WB
- (5) Partha Goswami, Senior Networking Engineer, IIT Khargapur, WB
- (6) Dr. Basabai Basu, Pennsylvania, USA
- (7) Dr. Somen Nandi, Managing Director, Global Health Share, University of California, Davis, USA
- (8) Mr. Janardan Ghosh, Faculty member, RKM Vivekananda University

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## **21. Swami Vivekananda District Yoga Wellness Centre (SVDYWC) Scheme Report 2015-16:**

**Nodal Office of SVDYWC: Ramakrishna Mission Vivekananda University, Belur Math, Howrah.**

**Objectives:** Scheme titled ‘Swami Vivekananda District Yoga Wellness Centre (SVDYWC)’ under Public Private Partnership (PPP) model has been devised in the year 2011 by Morarji Desai National Institute of Yoga (MDNIY), an autonomous organization under the Department of AYUSH, Ministry of Health & Family Welfare, Government of India, for the purpose of planning, training, promotion and coordination of Yoga Education, Research and Therapy in all its aspects in supporting Non-Government Organizations (NGOs) partially to promote Yogic activities for public/community healthcare and to encourage utilization of Yoga professional in public health care delivery programme.

### **Ramakrishna Mission Vivekananda University, a Nodal Office of SVDYWC scheme:**

Ramakrishna Mission Vivekananda University, Belur Math, Howrah was selected and approved by Morarji Desai National Institute of Yoga (MDNIY), New Delhi as a Unit of SVDYWC, called Nodal Office, so as to provide monitoring for establishing infrastructural facilities, help in selecting suitable technical staff and to assist the center in implementing the Yoga Scheme programme in an effective manner to each SVDYWC scattered in 12 states and 23 districts.. The Nodal Yoga Institute shall also periodically evaluate the progress of each SVDYWC through periodic physical inspections and send



the half yearly, annual progress report of each SVDYWC to MDNIY with specific recommendation for continuation in the next year.

**Starting Phase – II of SVDYWC Scheme in the year 2013:** SVDYWC Phase- I started from 01 August 2011. During the second year of Phase -I, i.e. in the year 2013 , MDNIY accorded approval (w.e.f. 01 April 2013) of more 12 new SVDYW centres under Phase-II Scheme within the purview of Ramakrishna Mission Vivekananda University, Nodal Yoga Office with a view to bring more SVDYWC in each district of Assam, Manipur, Nagaland and West Bengal to implement the essence of remedial measures of diseases through different programmes of yoga among the local people of respective district where SVDYWC has been approved.

## **Report of SVDYWC for the Period of 01.04.2015 to 31.03.2016:**

**Phase – II:** Total eight SVDYW centres conducted different programmes of the Yoga Scheme in the third year of Phase-II, that is during the period 2015-16. Yoga centres are scattered in West Bengal and North-east states of India i.e. Assam, Meghalaya & Manipur. During the period total number programmes conducted were 319 (except RYTP, the daily morning & evening programmes) and number of beneficiaries were 33,501.

### **Eight SVDYWCs are-**

- (1) Rural Organization for Social Service, Assam, District- Udalguri,
- (2) Adarsha Samaj Kalyan Samity, Assam, District- Nagaon,
- (3) Manipur State Yoga Association, Manipur, District- Imphal East
- (4) Rural Educational and Socio-Economic Development Organization, Manipur, District- Bishnupur,
- (5) Sri Aurobindo Institute of Indian Cultur, Meghalaya, District- East Khasi Hills, Shillong,
- (6) Prabudha Bharati Shisutirtha, West Bengal, Districts- Paschim Medinipur,
- (7) Chuanpur-Saptarni, West Bengal, District- Murshidabad,
- (8) Sri Aurobindo Bhavan Trust, West Bengal, District- Nadia

**Two centres of Assam in the districts Udalguri and Nagaon:** The performances of these SVDYWCs situated in the districts mentioned are found to be satisfactory. During the year Udalguri district yoga centre conducted 15 Foundation courses in Yoga (FCY), 21 Yoga Awareness Programmes (YAP) and 13 Yoga Programmes for Wellbeings and Seminars in their respective cetnres and also in remote places of districts (Bhergaon, Tanglagaon etc.) which are mostly inhabited by tribal and backward people. They have conducted the above programmes in different school and college students who received the benefits of yoga in their daily life. Total people benifitted were 8693.

In the district of Nagaon of Assam the inhabitants are mostly muslim farmers who have accepted gladly the benefits of yoga by performing the same in their daily life. The male and female Muslim students of Madrasas are taking active part in the different yoga programmes conducted by the trainers of this SVDYWC. During the year they have conducted 11 Foundation courses in Yoga (FCY), 14 Yoga Awareness Programmes (YAP) and 9 Yoga Programmes for Wellbeings. Total people benifitted were 1609. Altogether in both the districts 10,302 people including students have been benefited during the year.

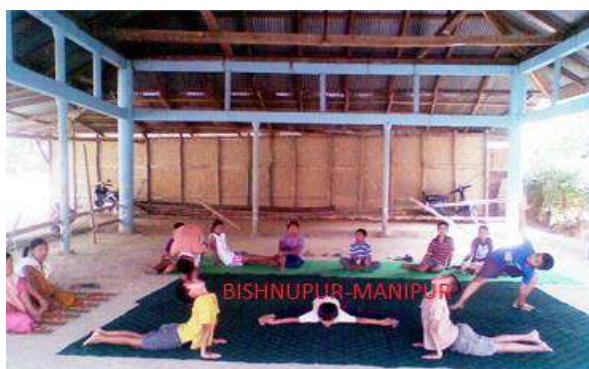


*Adarsha Samaj Kalyan Samity, Nagaon, Assam,*



*Rural Organization for Social Service, Udalguri, Assam*

**Two centers of Manipur in the Districts Imphal East and Bishnupur:** Two SVDYW centres were recognized by MDNIY under Phase-II in Manipur situated in the district of Imphal East and Bishnupur. Manipur is also a backward and underdeveloped state in the eastern part of India. In villages like Khonganangkhong, Bamoh Leikai, Khurai Nandeibem, Leiki club of Achanfigei, Singjamei different yoga programmes were conducted. It was started in a very slow process as the people are not all in a position to accept yoga comfortably. Total 1932 students and people received the benefits of yoga in this year from total 30 programmes of FCYW, YAP & SPGW conducted in both districts (except RYTP). Despite the poor connectivity, bottlenecks in travelling or transportation from one village to another village in the hilly terrain area, yoga staffs are still working with sincere dedication for popularising the Yoga in Manipur.



*Bishnupur, Manipur*



*RYTP Shillong*

**One centre of Meghalaya in the district East Khasi Hills, Shillong:** Only one SVDYWC centre is working in Shillong, District East Khasi Hills. Sri Aurobindo Institute of Indian Culture is working remarkably among all classes of people residing there. It is very hopeful to note that more than 4704 students from schools & colleges and common people were benefited in this year from of 129 programmes of FCYW, YAP & SPGW.



*Meghalaya, Shillong, East Khasi Hills.*



Three centers of West Bengal in the Districts Paschim Medinipur, Murshidabad and Nadia: Since the people of West Bengal state are well conversed with and conscious about the benefit of yoga in life, the response from the people are quite satisfactory in comparison to the north-easterns part of India. The employees working in government offices, police lines and students from schools, colleges, clubs and sanghas are very much interested and eagerly taking part in the different yoga programmes conducted by SVDYW centres. Altogether 16,563 people were benefited from 77 programmes of FCY, YAP, Yoga Programmes for Wellbeings in this year.



*Chuanpur, saptaparni, Murshidabad*

### Statistical Progress Report for the year 2015 - 16 of Phase-II:

Name of Programm	Total No. of Prog. conducted	Total No. of Participants
1. Foundation Courses of Yoga for Wellness (FCYW)	98	2922
2. Yoga Awareness Programme (YAP)	63	5336
3. Special Programme for Yoga General Wellbeing(SPYGW)	158	21782
4. Regular Yoga Training Programme (RYTP)	Daily(Morning&Evening)	3461
<b>Total=</b>	<b>319</b>	<b>33,501</b>

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