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ANNUAL REPORT (2019 – 2020)

Released by
**THE SECRETARY
RAMAKRISHNA MISSION ASHRAMA
NARENDRAPUR**

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RAMAKRISHNA MISSION ASHRAMA

NARENDRAPUR, KOLKATA - 700103

SHORT REPORT

FOR THE PERIOD FROM APRIL 2019 TO MARCH 2020

Introduction

This Ashrama had a humble beginning as an ordinary students' home in 1943 at Pathuriaghata in North Kolkata. But then, it harboured a dream of doing something extraordinary ahead for the people, especially for the less fortunate, considering it crucial immediately before and after the Independence. So, ever since its inception, it was in search of avenues for larger altruistic works, and thereby of larger space as well. It was, therefore, able to discover a piece of land ultimately, and had eventually shifted in 1956 to the place where it is now situated at NARENDRAPUR. Approximately 15 kilometers from the heart of Kolkata City, Narendrapur is a popular and well connected bustling place in the south these days. As a result of its conspicuous development into a multi-institutional organization of excellence, amidst a serene atmosphere of lush vegetation, the Ashrama soon became Narendrapur's quintessence spontaneously. Here is its latest institution-wise report in brief.

College (Autonomous with P. G. courses)

This is a boys' residential college started in 1960. The University of Calcutta had later granted it **Autonomy** to function and carry on with post graduate courses, alongside the already existing undergraduate courses. By virtue of this special status, it is able to conduct examinations and publish results independently. Students can, therefore, conveniently complete their higher education in the available subjects once they get admittance in it after finishing their school education.

It presently offers Physics, Chemistry, Mathematics, Statistics, Computer Science, English, Economics, History, Sanskrit and Bengali for Honours, while for Post Graduation Chemistry, Physics, Computer Science and English. This college is proud to have been recognised by DST (Department of Science and Technology), Govt. of India as a SIRO (Scientific and Industrial Research Organisation), a distinction enjoyed by very few colleges in India.

The college has received permission from the University of Calcutta to open Vivekananda Centre for Research conducting for M.Phil. /Ph.D. & research programmes. The college can now conduct all the research programmes on its own. Rules and regulations in this regard have been framed and duly approved by our parent University.

During the period under review, there were in all 640 students in the college. Among them, 196 students enjoyed the privilege of free studentship, namely 7 full and 189 partial.

Students took advantage of its one N.C.C. unit and two N.S.S. units and duly participated in their activities. Its library contains 90,304 books, Journals and Magazines 39, Newspapers 7 and users borrowed (students & staff) 8282 books from it during the year, and 1263 of them, on an average, attended its Reading Room daily. In its four Research wings (Chemistry and Physics) as many as 14 scholars remained attached and worked all through the year. Donations made to the purposes of its R&D works are exempt from income tax u/s 35(1) (ii) of the I.T. Act, 1961.

The National Institutional Ranking Framework (NIRF) was approved by the MHRD and launched by Honourable Minister of Human Resource Development on 29th September 2015. As per the result declared by MHRD on 08.04.2019, our college has secured **15th rank in India.**

School (from V to XII)

Started in 1958 and affiliated to the West Bengal Board of Secondary Education as well as to the West Bengal Council of Higher Education, the school is a residential higher secondary school for boys from class V. Its secondary section has both Bengali and English as media of instruction, whereas in higher secondary section it is English alone. The ancient Gurukula system made suitable to modern time is practised here for man-making education envisaged by Swami Vivekananda. Some of its important statistics for 2019-20 are:

Total Number of students: 1036

Scheduled Caste: 195

Scheduled Tribe: 27

Other Backward classes: 123

No. of full free students: 20

No. of part free students: 55

No. of books in its library: 33,525

No. of books in its Book Bank: 3,875

Journals it subscribes in various languages: 45

Newspapers: 05

No. of books daily issued from the library: 110 per day

Attendance in its Reading Room: 840 per week

V.C.C. (Vidyalaya Cadet Corps) Units: 4

Boys' Scout Units: 2

Bratachari Unit: 1

Band Unit: 1

Result of Madhyamik Examination, 2020

| | |
|--------------------------------------|---|
| Total no. of Candidates | 123 |
| Passed | 123 |
| 90% and above (except Addl. subject) | 112 |
| 80% and above (do) | 123 (All) |
| 75% and above (do) | 123 (All) |
| 60% and above (do) | 123 (All) |
| Highest marks | 682 |
| Marks obtained 650 and above | 84 |
| Average Aggregate% | 93.41 |
| Highest Marks (do) | 686 (98%) (Aprameyo Chakrabarthy) (State Rank : 7th) |

Result of Higher Secondary Examination, 2020

| | |
|---|---|
| No. of students appeared (Science Group only) | 78 |
| Passed | 78 |
| 90% and above (Best 5 subjects) | 75 |
| 85% and above (do) | 78 |
| 80% and above (do) | 78 |
| 75% and above (do) | 78 |
| Highest Marks (do) | 498 (99.60%) (Neelabjya Das) (State rank: 2nd) |

State Rank Holders

| Sl no. | Name of Students | Marks | % of Marks | State Rank (Based on) | School Rank |
|--------|---------------------|-------|------------|-----------------------|-------------|
| 1. | NEELABJYA DAS | 498 | 99.60 | 2nd | 1st |
| 2 | RAHUL MAJUMDER | 497 | 99.40 | 3rd | 2nd |
| 3 | ARCHISMAN SAHA | 495 | 99.00 | 5th | 3rd |
| 4 | SOMESHWAR MUKHERJEE | 494 | 98.80 | 6th | 4th |
| 5 | SWASTICK DAS | 494 | 98.80 | 6th | |
| 6 | AISHIK GHOSH | 493 | 98.60 | 7th | 5th |
| 7 | GOURAB KUNDU | 493 | 98.60 | | |
| 8 | KULDIP KUNDU | 493 | 98.60 | | |
| 9 | SOUNAK BHATTACHARYA | 493 | 98.60 | 7th | 5th |
| 10 | SOVAN MAITY | 493 | 98.60 | | |

| | | | | | |
|----|----------------------------|-----|-------|------|-----|
| 11 | ARNAB RAKSHIT | 492 | 98.40 | 8th | 6th |
| 12 | RHITANKAR BANDYOPADHYAY | 492 | 98.40 | | |
| 13 | SAGNIK KOLEY | 492 | 98.40 | | |
| 14 | SOMERIK CHARAN | 492 | 98.40 | | |
| 15 | UDVAS BASAK | 492 | 98.40 | | |
| 16 | ARNAB HALDER | 490 | 98.00 | 10th | 7th |
| 17 | INDRAJIT MISRA | 490 | 98.00 | | |
| 18 | SNEHIL SEN | 490 | 98.00 | | |

New Activities:

Higher Secondary Laboratory Building was inaugurated in February 2020.

Blind Boys' Academy

This residential institution for the visually challenged boys was started in 1957. Ever since its inception, it is relentlessly engaged in their education, training and rehabilitation. It has been offering them the following:

General Education till class XII

Vocational Music

Industrial Vocational Training

Training in Agriculture & Animal Husbandry for the Rural Blind, Computer Training

Training in Swimming

Embossing books in Braille in six languages, Braille Library Services

Audio Book preparing

Mushroom Project: Trained 155 (SC- 15, OBC- 15)

Some of the features of its performance during the year are:

Total no. of students and trainees: 206

No of S.C./S.T. students & trainees: 66 (SC 34 & ST 16 & OBC 16)

No. of students appeared in Madhyamik: 17

No. of students appeared in Higher Secondary: 10

No. of periodicals: 14

Braille volumes in its Library: 49030

Ink-print volumes: 10,635

Talking Books (Cassettes & C.D.): 882

No. of Newspapers: 2 (Bengali -1 & English -1)

No. of students and trainees rehabilitated: 12 (6 village Dak Sevak and 6 employed in Agriculture, Poultry and Dairy Farming)

No of trainees trained in Teachers'

Training Centre - B. Ed. (Special

Education in Visual Impairment): 28

No. of Books Printed in its Braille Press: Volumes - 21,994, Titles - 30 in three languages (English Bengali & Hindi) in different states viz. West Bengal, Tripura, Mizoram, Nagaland on various subjects including Mathematics, Science, Sanskrit, Geography from beginners' class to secondary level and some books for Higher Secondary & 3-year Degree courses.

No. of Books of different classes recorded in CD- 13

Training-cum-Production Project: 1 (sub-contract jobs from different industries were completed here, spice grinding, candle making and aluminium sticks, stylus, chhatu, *chow-mein*, potato chips and mustard powder are produced here.)

No. of ex-trainees engaged: 10

Computer Training: Students of Classes VI, VII, VIII, IX, X, XI and XII trainees of Agriculture, I.T.I. Course of the Academy attended Computer Application Classes regularly. Computer Application was included in the syllabus of Vocational Technical Training Courses also.

Appreciation: 1. On 3rd December 2018, one ex-trainee of the Academy received State Award from the Govt. of West Bengal, in a colourful function at Rabindra Sadan, Kolkata, as self-employed workers.

2. One student participated in Commonwealth Judo Championship on 27.09.2019 organised by University of Wolverhampton Walsall, England at Birmingham. He won bronze medal.

Result of Madhyamik Examination, 2020

| | |
|---|-----------------------|
| Total no. of Candidates | 17 |
| Passed | 17 |
| 80% and above (except Addl. subject) | 17 |
| Highest marks | 644 (92%) (Rajib Das) |
| Average Aggregate% | 88.40% |

Result of Higher Secondary Examination, 2020

| | |
|--------------------------|-----------------------------------|
| No. of students appeared | 10 |
| Passed | 10 |
| 90% and above | 08 |
| 85% and above | 02 |
| Average Aggregate% | 94.03% |
| Highest Marks | 457 (91.4%) (Ayush Mandal) |

Technical and Vocational Education

a) Industrial Training Centre (Govt. Sponsored)

This institute was started in 1967. During the reporting year, its ITI unit had 245 students, Higher Secondary Vocational had 87 students and Short Term Courses (WBSCVT) had 89 students.

The Library of this unit contains 1232 books. The synopsis of all the trades and courses is given below.

| | TRADES | STUDENTS ADMITTED | AFFILIATED TO |
|--------------------|---|-------------------|---|
| I T I | Electrician | 41 | NCVT affiliated to DGR. New Delhi |
| | Turner | 29 | |
| | Welder | 20 | |
| | Draughtsman | 25 | |
| | Refrigeration and A/C Mechanics | 22 | |
| | Plumber | 27 | |
| | Fitter | 40 | |
| | Mechanic Motor Vehicles | 41 | |
| H.S. Vocational | Electrical | 45 | WBSCVE&T affiliated to West Bengal Government |
| | Automobile | 42 | |
| Short Term Courses | Electrical House Hiring & Motor Winding | 50 | |
| | 2/3 Wheeler mechanic | 39 | |
| | TOTAL | 421 | |

Result of Higher Secondary Examination (Vocational), 2019

| | |
|------------------------|----------------------|
| No. of Students Passed | 34 |
| 60% and above | 34 |
| | Govt. - 15 , Pvt. 18 |

b) **Automobile Training Centre**

Four batches under Short term NSDC courses titled "Automotive Service technician level – 4" under the aegis of UTKARSHA BANGLA was started in December 2019, January & March 2020. 82 students are being trained in these batches which is still on going. These courses are offered free of cost to students.

Certification process of 46 candidates who appeared for the final assessment, belonging to the 2018 batch, has been completed.

27 candidates have completed the Driving course for the year 2019-20.

COMMERCIAL INSTITUTE

Ramakrishna Mission Ashrama, Commercial Institute, Narendrapur was established in the year 1958 with some students of English & Bengali Type writing and Shorthand courses. The main objective of this institution was to provide better training facilities for the poor, needy and backward students of this locality.

Later on this institution has introduced different courses like Spoken English and Computer courses- (Ms-office, DTP, Multimedia, Auto-CAD and Tally) for boys and girls.

Since then every year more than 841 students (boys and girls) of this locality are getting various training facilities from this institution. Some of the students are already absorbed in different government and non-government services.

CENTRAL LIBRARY

This library contains 74,606 books, including 488 rare copies, 4 manuscripts, 59 journals, 4 newspapers and 3,907 bound volumes of old periodicals. During the year 28,394 books were issued from it to 1265 (internal) and 210 (external) borrowers. In the process, 79 readers on an average were present in its Reading Room every day.

LOKASIKSHA PARISHAD

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

Ramakrishna Mission Lokasiksha Parishad, Narendrapur is the integrated appendage of Ramakrishna Mission Ashram, Narendrapur, obsessed with the prime objective of rural development by rendering service through a network of dedicated non-government Community Based Organisations (CBOs), to the distressed, deprived, neglected and downtrodden of the rural community, irrespective of caste, creed or religion. The programme of Parishad is spread over 13 districts in West Bengal covering South 24-Parganas, North 24-Parganas, Purba Medinipur, Paschim Medinipur, Howrah, Hooghly, Nadia, Murshidabad, Purba Burdwan, Bankura, Purulia and Kolkata.

The programme activities are being organized through 23 affiliated cluster organizations (constituted with the affiliated village level organisations and registered under West Bengal Societies Registration Act 1961) and 2 organising cluster organisations. There are 3 Project Offices at Ajodhya and Santuri in Purulia district and Motgoda in Bankura district through which various rural development activities are also being implemented. There are 255 numbers of rural youth organisations functioning at grass root level of which 07 youth organizations are working with the Lokasiksha Parishad directly without associating with cluster organizations. The rural youth organisations function at grass root level under the guidance of the clusters organisations function at middle level for bridging and coordinating with the Parishad in preparing the policy, guidelines, administration of the activities etc.

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

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

EDUCATION :

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

a) State Open School (Rabindra Mukta Vidyalaya):

The programme was launched in the year 1997 as a Madhyamik Centre and also as Higher Secondary in the year 2000 as study centre recognized by West Bengal Council of Rabindra Open Schooling. Any student who achieve the competency of Class VII or VIII and complete his/her 14 years of age can take admission in Madhyamik Programme. After Madhyamik from a recognized Board anyone is eligible to take admission in Higher Secondary Programme.

We took students to admit in our Madhyamik Programme twice in every year i.e. in the month of June and December through notification. Similarly, for Higher Secondary Programme any eligible student can enroll their name once in a year i.e. in the month of September.

Madhyamik is one year programme whereas Higher Secondary is for two years. The students may appear for Madhyamik exam after one year from the admission session. In Higher Secondary a student may appear for maximum three subjects after one year of admission and for the rest subjects in next year. A student will get maximum five years to complete his/her study in any programme.

Till 2019-20 a total no of 992 students enrolled their name in Higher Secondary Programme whereas a total no of 1737 students enrolled in Secondary Programme in our institution. In the year 2019-20 total 243 students enrolled in Higher Secondary Programme and in Madhyamik Programme total enrolled students were 262. In the year 2019-20 a total no of 221 students were appeared for Higher Secondary Examination when 86 students appeared for Madhyamik Examination from our Rabindra Mukto Vidyalaya.

b) Library Services:

A Library-cum-Reading room is being maintained by the Lokasiksha Parishad in its own premises. The library has a total collection of 26,372 books, 28 periodicals and 3 newspapers. The library caters to the needs of students of academic courses, trainees of vocational courses, teaching faculty and other staffs.

c) Publication:

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

| | | |
|-------------------------------|---|---|
| Monthly Journals (in Bengali) | - | 1 |
| English Newsletters | - | 2 |

| | | |
|-----------------------------------|---|----------------------|
| English Publications | - | 23 |
| Bengali publications | - | 106 |
| Bengali Publications (Reprinting) | - | 10(during this year) |
| English Publications (Reprinting) | - | 1 (during this year) |
| Audio Publication | - | 11 |

d) Samajsiksha:

Samajsiksha, the only Bengali monthly Journal for Rural Development of Ramakrishna Mission. The magazine brought out by Ramakrishna Mission Ashrama, Narendrapur uninterruptedly since 1956 (64 years). It covers articles on contemporary issues on subjects that directly concern the society and its people and help to promote moral, ethical, spiritual and professional uplift of the masses.

The magazine brought out in twelve issues in a year. Nine issues in general, two issues in special, i.e. Sri Ramakrishna Jayanti sankhya (March) & Krishi sankhya (June), and other one is Sharadiya (Puja) sankhya (September). The running subscribers in all categories (i.e. one year, three years, life members & patron members) are 2,500 at present.

e) Preaching:

The Parishad organises lectures, preaching classes etc. during the year. As reported, the Parishad organised 92 lectures covering 7364 participants, two spiritual retreats (Bhakta sammelan) covering 600 participants. Apart from this, Parishad also organised six celebrations in its own campus and one outside in the form of public meeting covering 34960 nos. of participants.

f) Vivekananda Study Circle:

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

During the year under report of Vivekananda Study Circle, 13 numbers of village level organization and 2 number of associated organization have been continuing with 179 male and female participants. The programmes began with chanting of shlokas, meditation, devotional chorus songs, reading of books from Ramakrishna Lila Prasanga, Swami-Shishya Sangbad, Sri Sri MaaSarada Devi, etc. These books were thoroughly studied with analysis, discussion and interaction. The classes were ended with common songs "Ramakrishna Smaranam" with voicing of joy.

WOMAN AND CHILD DEVELOPMENT :

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

a) Chalaman Bahini :

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

The number of the children who participated in different activities was 15250 and 36340 community people including 2211 volunteers also participated in the programme during the year 2019-20.

b) Child Development Programme:

Ramakrishna Mission Lokasiksha Parishad is the development wing of Ramakrishna Ashrama, Narendrapur, West Bengal. It is engaged in the upliftment and enlightenment of rural disadvantaged backward communities since decades through various development programmes. It mainly focuses on child development activities for the deprived children belonging to poor families of remote villages. Parents, especially mother's participation is ensured in such development activities through awareness generation. The various programmes and the activities undertaken are discussed below.

i) Vivekananda Child Development Programme

Vivekananda Child Development Programme is one such programme of Lokasiksha Parishad that focuses on providing early childhood care and education to the unprivileged and unreached children of rural Bengal in the age group of 2 ½ years to 5 years. The objective of the programme is to ensure balanced growth of the children by developing their school going habit, right mindset towards learning, character building and social well-being during the formative stage.

Promotion of Early Childhood Education:

- Presently 133 ECE centers are running in 10 districts of West Bengal covering 5036 children (Boys – 2654, Girls – 2382, SC – 992, ST – 360, MC – 431, OBC – 329).
- 50 monthly orientation meetings were held in 9 clusters for

Organizers and Asst. organizers on academic progress of children, syllabus, methodology of teaching different subjects, preparation and use of teaching materials, use of black board for classes, evaluation of children, requirement of uniforms, books, copies, training of organizers / Asst. Organizers, parent's participation, awareness on importance of discipline, cleanliness of centers, discard use of plastics, preparation of Nutrimix, prevention of Dengue malaria, ORS promotion, seasonal care of children and celebration of Saraswati Puja. Total participants – 961, Female – 875, Male – 86, SC – 40, MC – 2, OBC – 35.

- Annual sports were held in 1 cluster for children of 9 centers with a total of 123 participants, Boys – 70, Girls – 53, SC- 8, ST – 36, MC – 6. Total no. of Events – 1. Prizes were distributed to the winners.

Promotion of Health and Nutrition:

- Growth monitoring conducted on 5036 children.
- One day Nutrition education and demonstration camps were held in 17 camps. Total participants – 552, Male – 3, Female – 51, Boys – 64, Girls – 434, SC – 57, ST – 1, MC – 44, OBC – 23.

Awareness Programme:

- ORS promotion campaigns were done in 19 camps to fight diarrhea. Total no. of Participants – 521, Female – 510, Male – 11, SC – 85, ST – 3, MC – 58, OBC – 18.

Other Activities:

- Nutrimix of 110 kgs. was distributed at 11 centers of 2 clusters to a total of 152 mothers and children during the year to improve malnourished children and mothers. Total no. of Mothers – 16, Children – 136, (Boys – 64, Girls – 72) SC – 5, ST – 3, OBC – 1.
- Puja dresses given to 5416 children, Boys – 2836, Girls – 2580, SC – 1020, ST – 272, OBC – 339.

ii) Sponsor Relation Programme – Vivekananda Child Development Fund :

Vivekananda Child Development Fund, a Sponsor Relation Programme is an initiative of Ramakrishna Mission Lokasiksha Parishad to mobilize the resources from benevolent donors in supporting the children belonging to the backward, downtrodden families of rural Bengal for their educational upliftment and health care support. The primary objective is to provide comprehensive

education and guidance to ensure the child is able to learn in a child-friendly environment, explore his talents and achieve growth.

The Sponsorship support is given in Three Phases:

1st Phase : Pre-primary to Madhyamik

2nd Phase : XI and XII standard

3rd Phase : Degree / Technical education

Brief View of VCDF

- Total no. of sponsors : 1102
- Total no. of sponsors in 2019 -2020 : 49
- Total no. of sponsored children in 2019-2020: 869
- No. of Boys: 435 and No. of Girls : 434
- Total no. of newly sponsored children in 2019-2020 : 69

Education Status of VCDF Children:

Educational support through sponsorship programme at:

- Pre-primary level - Total no. of children-88, Boys-48, Girls-40, SC-14, OBC-3.
- Primary level - Total no. of children-379, Boys-186, Girls-193, SC-70, ST-8, OBC-11.
- Educational assistance through coaching - Total no. of children-352, Boys-180, Girls-172, SC-56, ST-4, MC-6, OBC-8.
- Educational assistance to Higher Secondary level - Total no. of children-27, Boys-12, Girls-15, SC-1, ST-1, MC-2, OBC-1.
- Educational assistance to Degree level - Total no. of children-23, Boys-9, Girls-14, SC-1.

Promotion of Education:

- 10 monthly orientation meetings of Organizers or Asst. Organizers were held on VCDF programme, syllabus, importance of handwriting practice, academic progress of children, workshop for slow learners, methodology of teaching different subjects, performance of children in evaluations, Child Profile Test and its results, awareness on general health of children, parent's participation etc. Total number of participants – 114, Male – 20, Female – 94, SC – 6, OBC – 8.

Other activities:

- Books of 6426 Units were distributed to total 819 children, Male – 180, Female – 172, Boys – 234, Girls – 233, SC – 140, ST – 12, OBC – 22.

- Copies of 16804 Units were distributed to total 819 children, Male – 180, Female – 172, Boys – 234, Girls – 233, SC – 140, ST – 12, OBC – 22.
- Puja dresses distributed to 746 sponsored children, Boys - 369, Girls – 377, SC – 134, ST – 8, OBC – 19.
- Annual sports of sponsored children and mothers was held at 1 cluster with a total of 91 participants, Boys – 49, Girls – 42, SC - 29, OBC – 23. Total no. of Events – 1. Prizes were distributed to winners.

c) Integrated Child Development Services (ICDS):

The Burtala ICDS Project is a NGO run ICDS Project and run by Ramakrishna Mission Lokasiksha Parishad, Ramakrishna Mission Ashrama, Narendrapur. The Burtala ICDS Project was sanctioned by the Government of India in 1986. Now it is operational with 125 Anganwadi Centres covering Seventeen (17) Wards of Kolkata Municipal area. There are Six different services related to nutrition, health, pre-school education provided to the children (0-6 years), mothers (up to 45 years) and Adolescent Girl's under SABLA programme (11-18 years) from the AWCs of this Project. Details of services and beneficiaries which had been provided during the F.Y. 2019-20 is furnished below.

| Services | Services provided | Beneficiaries covered |
|-----------------------------------|---|--|
| Supplementary Nutrition programme | 3 days-khichuri with soya chunk and vegetables and half boiled egg as morning snacks and remaining 3 days - plane rice with full egg curry and chhatu as morning snacks | 6 months to 6 yrs. Children (Total No. of Beneficiaries -5830) |
| | Poustitic laddu in addition to normal food of children | Severely malnourished children(Total no. Beneficiaries - 32) |
| | 3 days-khichuri with soya chunk and vegetables and full boiled egg and remaining 3 days - plane rice with full egg curry. | Pregnant/Lactating mothers (Total no. of Ben. - 914) |
| | 1200 gms. RTE / weekly supplied by the Govt. | Out of School Adolescent Girls. (11-14 yrs.) (Total no. of Ben.- 28) |

| | | |
|---|---|--|
| Immunization | All ANM of Burtala ICDS Project participate Routine Immunization and special Immunization programme which organized by the Urban Health Department | No. Fully immunized Children - 651 No. of partially immunized Children - 2380. No. of Complete Immunized Children and Mothers - 3031 |
| Pre-School | Early Child Care and Education (ECCE) is being given to the children through different activities at the AWCS. | 3 yrs.- 6 yrs. Children (Total no. of Ben. - 3372) |
| Nutritional and Health Education (NHED) | A monthly NHED session is done for awareness of personal health care, nutritional status of children and women, immunization and other social issues. | Adolescent Girls and Mothers |
| Primary Health Check-up | Primary health check-up is done by the RBSK medical team and by our ANM regularly at the AWCs or Health sub-centre. | Children, Mother and Adolescent Girl's |
| Referral services | During Home visit if any sick or unwell people are found by the AWW, she may refer them to local Health unit for proper treatment. | All Beneficiaries |

SAG-KP convergence Programme :

The objective of this programme is to empower the Adolescent Girl's to raise their voice and to demand their rights for proper health care, education, self-employment etc. The Burtala ICDS project has taken so many initiatives to implement the objectives of the programme are as follows :

1. Orientation of AWWs.
2. Training of Sakhi and Saheli (AGs group leader).
3. Life skill education training of AGs.
4. Exposure visit to local Police station, Post Office and Primary Urban Health Centre.
5. Training on beautician and Soft Toys making for self-employment.

Presently, Burtala ICDS Project is run with 110 Anganwadi Workers and 117 Anganwadi Helpers against 125 sanctioned posts and they

are taken an important role to implement the objectives of the ICDS scheme. To reduce infant mortality, child mortality, maternal mortality and malnourishment among children is the main objectives of Burtala ICDS Project. Burtala ICDS project has taken a vibrant role during the last Financial Year 2019-20 to minimize early marriage and drop out of school children to conduct many awareness programme by the AGs.

d) Training Centre:

Middle Level Training Centre (MLTC):

The ICDS Scheme is one of the largest intervention project in India, for ensuring balance growth and development of children under the age group of 0-6 years and caring for pregnant and nursing mothers. The universalization of the programme is main focus of this effort. The scheme was launched in 33 areas and now its ranges from 33 to almost 8000 by encompassing 28 lakhs Anganwadi workers being supervised and monitored by huge segment of Supervisors.

The National level NIPCCD is an apex of ICDS training Programme Middle Level Training Centre (MLTC) under aegis of Ramakrishna Mission Lokasiksha Parishad has been set up in the year 2003, under the Dept. of Social Welfare, Govt. of West Bengal. The Institute conducts Job and Refresher Training Course of Middle Level Functionaries called ICDS Supervisors.

During the year under report 2019-2020 MLTC was assigned to run 6 days ECCE training of Anganwadi workers in Kolkata & South 24-Parganas district. The Training was conducted in 12 Batches of 40 Anganwadi Workers in each batch and covering 480 AWWs who had undergone ECCE (Early Childhood Care & Education) Training.

Anganwadi Training Centre(AWTC) :

The Integrated Child Development Services Scheme is one of the flagship programme of Government of India providing a package of 6 (six) services comprising of (i) Supplementary Nutrition, (ii) Immunization (iii) Health Check-up (iv) Referral Services (v) Pre-school non formal education, (vi) Nutrition & Health Education to mother. The programme has been in operation since 1975 with launching in 33 Projects.

Accordingly, the proposal to strengthen and restructure the ICDS scheme through a series of programme changes in norms putting ICDS in a 'Mission Mode'. The strengthening and restructuring the ICDS programme visualize repositioning of Anganwadi Centre as vibrant Early Childhood Development Centre (ECD) to become 1st village outpost for Health, Nutrition and Early Learning with minimum six working hours.

In addition to what have been enunciated above, few more components have been introduced to strengthen the programme to fulfill the goal of the ICDS programme. These are Ayusmati, Sabala, RCH II, Rashtriyo Swasth Bima Yojana, Janani Suraksha Yojana. All programmes are directed towards ensuring of health and nutritional status of Women of different age group and children in the age group of 0-6 years.

In order to develop the programmatic reforms has been envisaged in ICDS Mission mode a range of reformative action related to programme management, monitoring, supervision from the central to AWC level. The focus is on decentralized planning management, ensuring convergence at the grassroots level, strengthening convergence, civil society partnership using information communications technology, allocating adequate resources etc.

Training is most crucial element of ICDS since the achievement of the programme goal depends upon the effectiveness of the frontline worker's improved delivery of packages of ICDS. At national level NIPCCD is an apex body of ICDS training programme. It has the overall responsibility of planning, coordination and monitoring of ICDS training programme designing training programme, curriculum, training content and material.

AWTC are engaged in different kinds of training on regular basis such as Induction, Job orientation and Refresher training for AWWs and AWHs.

During the year under report the training centre conducted 22 batches of training in total covering 873 participants out of which SC-365, ST-30, OBC-99 and rests were belonged to General categories.

f) Health & Family Welfare Unit:

To take care of the medical needs of the community, Ramakrishna mission Lokasiksha Parishad has set up its own medical unit at Narendrapur in its own premises and also at Arapanch village in Sonarpur area. Medicines are provided to the ailing people as per the advice of the Medical officers. It also renders immunological services to the children and pregnant mother. It also builds up social awareness amongst the rural people to curb population growth.

During the reporting year, Lokasiksha Parishad unit served 383 male, 355 female and 1682 children (SC - 980 Nos, ST - 30 Nos. and 609 are from backward categories) and the Arapanch unit serve 2363 male, 2666 female and 1203 children (SC - 3130, ST - 27 and 2108 are from backward categories).

g) Gadadhar Abhyudaya Prakalpa (GAP):

Gadadhar Abhyudaya Prakalpa (GAP) is a holistic child development programme being organized by Ramakrishna Mission Ashrama, Narendrapur and run by Ramakrishna Mission Lokasiksha Parishad, Narendrapur. Presently the Programme is run at 2 centers, namely:

- Hansi Khushi Sangha, Nepal Gunje, Panakua Panchayat, P.S.-Bishnupur, South 24 Parganas.
- Arapanch Campus of Sonarpur, Ramakrishna Mission Ashrama, Narendrapur, South 24 Parganas

The main objectives of the programme are the development of socio-economically and educationally backward children through a) Educational Development, b) Physical Development, c) Spiritual Development and d) Cultural Development.

Apart from the above activities, the children are provided daily breakfast with nutrient food. Strict monitoring of each child as to their educational, physical, cultural, spiritual growth is maintained separately for their overall development through the programme.

The programme celebrated the Birth Daytithi of Swami Vivekananda, Sri Sri Ma Sarada and Sri Sri Thakur Ramakrishna Paramahamsadev, Saraswati Puja, 23rd January as Netaji Birth Day, 26th January as Republic Day of India, etc.

ANIMAL HUSBANDRY DEVELOPMENT:**❖ Dairy Development:-**

The existing dairy unit is an asset for pertaining quality training. Beside this dairy unit involves in the improvement of the local cattle breed through cross-breeding and providing green fodder seeds/cuttings to the farmer throughout the year.

This unit includes pure breed of Gir as well as several cross breeds of well-maintained Pedigree. The cross breeds include Holstein-Frisian (HF) x Gir; HF x Sahiwal (S) Jersey x Gir and Jersey x Sahiwal. Average milk in the 2019-20 financial year is 481 Kg/day and total staffs involved in the dairy is 24(twenty four). At present there are 128 livestock animals in the farm of which 68 cows, among them 53 are milch cows. During this year (2019-2020 session), Pranimitraa training of 303 female youths sponsored by WBSRLM conducted by this unit.

Beside this, The Gobargas (Biogas) Plant and Vermicompost is an attached unit and an integrated part of the A.H. Farm Management. Both the units act as demonstration and training component of the learning trainees. There are 2 (two) nos. of Biogas of 6 m³. Approx. vermicompost production is 24 ton/year.

❖ Poultry Development :-

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

TRAINING, ENTREPRENEURSHIP AND RESOURCE MOBILISATION :**a) Vocational Training Programme, LSP :**

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

The journey of the esteemed training institute Lokasiksha Parishad took a new turn at the beginning of the 21st Century. Presently the Parishad imparts regular training on Tailoring – Basic & Advance, Beautician – Basic & Advance, Physiotherapy – Equipment Operator cum Assistant, Solar – Basic, Motor Mechanism (4 Wheeler), 2/3 Wheeler Repairing & Servicing, Computer Basic, Desk Top Publishing (DTP), Computer Hardware & Networking, Telephone & Mobile Repairing, Commercial Art & Craft, Spoken English, Fruit Processing, Electric Wiremanship & Motor Winding, Basic Electronics & Radio, T.V. Repairing, Photography (Digital & Analog), Yogasana and 13 other allied irregular courses. In 2019-20 financial year, the Parishad imparted training to 899 male and 1013 female out of which 753 were belongs to SC, 21 were ST & 221 were belongs to OBC, those who are coming from different district of West Bengal. Parishad conducted 82 batches on 18 different trades in the year 2019-20. On completion the trainees become either self-employed or working in different befitting agencies and also become capable to improve their life and livelihood.

Other Training-cum-Production Units: Ramakrishna Mission Lokasiksha Parishad was also conducted captioned units like Food Processing, Bag Making, Tailoring, Batik & Fabric Printing, Handicrafts, Incense Stick Making, Candle Making etc.

b) Vocational Training Programme, PBSSD :

Training under the aegis of PBSSD, Government of West Bengal - Ramakrishna Mission Lokasiksha parishad (RKMLSP), Narendrapur, as a Training centre, registered under the aegis of Paschim Banga Society for Skill Development (PBSSD) / Utkarsha Bangla (UB), Government of West Bengal, had been initiated vocational training

programme on 18th of December, 2019 where 147 trainees (Residential and non-residential) from poor families in the category of SC, ST, OBC and General took part to receive training in four different trades e.g:

1. Assistant Electrician (60 male Trainees);
2. Solar Panel Installation Technician (27 Male Trainers);
3. Self Employed tailor (30 Female Trainees);
4. Computer Hardware and Peripherals (30 Male Trainees).

147 candidates of these four different trades received training (practical and theoretical) 5 days in a week (Monday to Friday), with a duration of 4 hours for each day (12 pm to 4 pm) from 9 experienced trainers. Approximately, 70% of the total training hours of the above mentioned four trades had been successfully completed till March 21st, 2020. All the trainings were supposed to be completed within the allotted timeline but due to the outbreak of COVID -19 Pandemic and thereafter, Lockdown ordered by central and state Government, the scheduled training was postponed till further notification.

b) CSR Programme :

Vedanta Foundation :

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

The programme was started in August 2018 with tailoring and computer training in Sagarmangal. Gradually the programme was started in Sundarban Kalpataru and Gosaba Rupayan.

During the reporting period the vocational training programme covered 154 participants of which 60 male and 94 female participants. Most of the participants of the vocational training programme were from backward sections of the society (SC-69, and other backward-25).

c) Empanelled Training Institution :

The Empanelled Training Institution (ETI-Ramakrishna Mission Ashrama, Narendrapur) erstwhile Training Orientation and Research Centre (TORC), Narendrapur had been conducting orientation training programmes for NSS Programme Officers since 1986 and playing a vital role in imparting training of NSS Programme Officers for the states of Jharkhand, Bihar and West Bengal, who are undoubtedly the backbone of NSS.

But, from the year 2019-20 as per the decision of the Ministry of Youth Affairs and Sports, Government of India the functions of ETI, Ramakrishna Mission Ashrama, Narendrapur had been restricted to the state of West Bengal only.

During the financial year 2019-20 this unit of the Ramakrishna Mission Ashrama, Narendrapur conducted eight Orientation Training Programmes for the NSS Programme Officers where 247 Programme Officers from different parts of the West Bengal participated.

JAN SHIKSHAN SANSTHAN

Ramakrishna Mission Lokasiksha Parishad (RKMLSP) of the Ramakrishna Mission Ashrama, Narendrapur has been running the Jan Shikshan Sansthan (JSS), an Institution of People's Education (erstwhile the Shramik Vidyapeeth), since 1984 under the aegis of Adult Education Bureau, Department of School Education and Literacy, Ministry of Human Resource Development, Government of India. **Since 2018-19 the Jan Shikshan Sansthan is run under the aegis of Ministry of Skill Development and Entrepreneurship, Government of India.**

The Jan Shikshan Sansthan is working in South 24 Parganas district engaged in providing vocational / skill upgradation training to the socioeconomically backward and educationally disadvantaged groups of urban / rural population such as men, women and youth, employed, self-employed, neo-literates, prospective workers and their family members as well as unemployed youth emphasizing adult neo-literates / having rudimentary education, drop-out students (below class XII), SC and ST, women / girls, oppressed, migrants, slum / pavement dwellers and working children.

The operational area of the Jan Shikshan Sansthan is the South 24 Parganas district covering coastal areas and Sundarban deltas. Presently the JSS is conducting different programmes covering Budge Budge, Baruipur, Sonarpur, Mograhat-I, Mograhat-II Canning-I, Canning-II, Jaynagar-I, Jaynagar-II, Kakdwip, Mathurapur-I, Mathurapur-II, Bhangar-I, Bhangar-II, Bishnupur-I, Bishnupur-II, Diamondharbour-I, etc. blocks and in islet areas like Sagar, Kultali, Pathar Pratima, Gosaba, Namkhana, Basanti, etc. blocks. Besides, the South 24 Parganas district the Jan Shikshan Sansthan covers few slum areas under Kolkata Corporation.

A Board of Management comprising 16 members governs the Jan Shikshan Sansthan of the Ramakrishna Mission Lokasiksha Parishad of the Ramakrishna Mission Ashrama, Narendrapur. The Board of Management is broadly concerned with all policy matters of this Institute and its mode of operation, etc. An Executive Committee is also there which assists the Board of Management for effective implementation of different programmes / activities of the Jan Shikshan Sansthan. With a view to enriching the

programmes / activities, etc. of the Jan Shikshan Sansthan, there is a Programme Advisory Committee having sound experience and expertise in different training and field activities in both rural and urban areas. The day to day activities of the JSS Jan Shikshan Sansthan conducted with the help of staff members working under Jan Shikshan Sansthan headed by the Director as designed by the Government of India. Director is the key person who looks after the day to day activities and make liaison with Government of India.

The Jan Shikshan Sansthan was transferred to Ministry of Skill Development and Entrepreneurship from Ministry of Human Resource Development. Jan Shikshan Sansthan conducts different training programmes and activities as approved by the Directorate of Jan Shikshan Sansthan (DJSS), Ministry of Skill Development and Entrepreneurship, Government of India. The Jan Shikshan Sansthan follows curriculum of DJSS and MES aligned with NSQF and QP for conducting training.

The Jan Shikshan Sansthan (JSS) submitted the plan of action for 90 batches of training and the Ministry of Skill Development and Entrepreneurship, Government of India approved the same. During the reporting year the Jan Shikshan Sansthan conducted 85 batches of training out of Government grant covering 18 trades with 1533 trainees out of which 235 were male and 1298 were female. Around 62.57% of the trainees were from socio-economically backward section of the society (SC-40.64%, ST-0.39%, Minorities and OBC-12.65%).

The Jan Shikshan Sansthan also organized 32 activities as a part of the post training follow up which included ex-trainees' meet, camps through observance of International Skill Day, Swachh Bharat, financial literacy, important days, exhibition, etc. involving about 27,096 participants from about 162 villages. 32 village organisations / institutions extended collaboration for conducting the above training programme and activities.

Review Meeting with Directors in West Bengal, Orissa and North Eastern States:

The Review meeting was held with the Directors of JSSs in West Bengal, Orissa and North Eastern States on May 15-16, 2019 at the Don Bosco Institute, Kharghuli, Guwahati, Assam for reviewing the progress of different JSSs during April 2018 to March 2019 and also reviewing and approval of action plan 2019-20. Shri Nirmal Kumar Pattanayak, Director, JSS attended the meeting.

Kaushal Yuba Sambad :

A special programme – Kaushal Yuba Sambad was organized by the Ministry of Skill Development and Entrepreneurship, Government of India for having a dialogue on 15.07.2019 with Cabinet Ministers of the

Government of India regarding improvement of present skill eco-system. The ministry selected 32 successful trainees from 32 Jan Shikshan Sansthans for the said dialogue. Ms Dimpal Singh, one of the successful trainees of the Jan Shikshan Sansthan of the Ashrama, was selected out of 32 selected candidates. Shri Amit Shah, Home Minister, Smt Nirmala Sitaraman, Finance Minister, Shri Narendra Singh TOMar, Rural Development Minister and Dr Mahendranath Pandey, Minister of Skill Development and Entrepreneurship, Government of India were present in the programme and had dialogue with the selected candidates. Ms Dimpal Singh was appreciated for her dialogue regarding need of skill development training after elementary education.

Reconstitution of Board of Management of the Jan Shikshan Sansthan :

A special meeting was held with the selected official members (proposed Board of Management of the Jan Shikshan Sansthan) and existing Chairman of the Jan Shikshan Sansthan on 17.07.2019 for selection of non-official members for reconstitution of the Board of Management of the Jan Shikshan Sansthan. The members present in the meeting selected the non-official members and recommended the panel for reconstitution of Board of Management of the Jan Shikshan Sansthan. The proposal for reconstitution of the Board of Management of the Jan Shikshan Sansthan as recommended in the special meeting had been submitted to Government of India for necessary approval.

Review Meeting with Directors in West Bengal, Odisha and North Eastern States:

The Review meeting was held with the Directors of JSSs in West Bengal, Orissa and North Eastern States on May 15-16, 2019 at the Don Bosco Institute, Kharghuli, Guwahati, Assam for reviewing the progress of different JSSs during April 2018 to March 2019 and also reviewing and approval of action plan 2019-20. Shri Nirmal Kumar Pattanayak, Director, JSS attended the meeting. Another Review Meeting was held with the Directors of JSSs in West Bengal, Odisha and North Eastern States on November 19-21, 2019 at the Panthanivas, Puri, Odisha, for reviewing the progress of different JSSs during April 2019 to September 2019. Shri Nirmal Kumar Pattanayak, Director, JSS attended the meeting.

Workshop on inclusion of moral / value education in curriculum:

A workshop was organized at DJSS Conference Room, New Delhi by the Directorate of Jan Shikshan Sansthan (DJSS), Ministry of Skill Development and Entrepreneurship, Government of India during 11-13 December 2019 on inclusion of moral / value education in training curriculum. Out 247 Jan Shikshan Sansthan 7 Jan Shikshan Sansthan were invited to impart the workshop and contribute towards inclusion of moral / value education.

Besides, 10 eminent persons from the field of education and skill development were also invited. On behalf of the Jan Shikshan Sansthan Narendrapur, Shri Nirmal Kumar Pattanayak, Director, JSS Narendrapur, participated in the workshop. Important and inspiring incidents in the life of Swami Vivekananda and his teachings were unanimously accepted in the workshop for inclusion in the curriculum.

Annual Celebration and Exhibition:

Annual Celebration and Exhibition 2020 was organized at Narendrapur main campus during 21-25 January 2020. As a part of the Celebration an exhibition was set up in the Exhibition arena on Jan Shikshan Sansthan and its different programmes for disseminating the message regarding the different training facilities being provided by the Jan Shikshan Sansthan. Besides, 3 commercial stalls were hired for promotion of trainees' product. 20 trainees were provided space in 2 stalls for promotion of their products which promoted products of about Rs.30,000.00. One stall was used for promotion of products come out during different training sessions which promoted products of Rs.18,500.00.

Pradhan Mantri Yuva Udyamita Vikash Abhijan (PMYUVA)

Pradhan Mantri YUVA Yojana (Yuva Udyamita Vikas Abhiyan) is a centrally sponsored Scheme on entrepreneurship education and training being implemented by the Ministry of Skill Development and Entrepreneurship, Government of India. Initially Government of India planned to implement on pilot basis in 300 institutions in India out of which 200 it is, 50 Polytechnic Colleges, 25 PMKKs and 25 Jan Shikshan Sansthans. Out of 25 Jan Shikshan Sansthan, Jan Shikshan Sansthan Narendrapur was also selected for implementation of PMYUVA on pilot basis. One entrepreneurship awareness programme, resource persons training (2 resource persons participated who will hold EDP session during training), 2 boot camps, principals' meet, etc. programme were already been organized under the PMYUVA.

Training of Trainers

A training of trainers was organized at National Skill Training Institute (Women), Government of India, at Salt Lake, Kolkata with 16 resource persons of 8 Jan Shikshan Sansthan in West Bengal during 24-28 February 2020. Two resource persons namely Smt Sonali Dutta and Smt Sameara Mondal of Jan Shikshan Sansthan imparted in the training of trainers programme.

HEALTH, WATER, SANITATION & ENVIRONMENT:

a) Water, Sanitation and Hygiene Project:

Ramakrishna Mission Lokasiksha Parishad (RKMLSP) of Ramakrishna

Mission Ashrama, Narendrapur is directly involved in implementation of Water and Sanitation programs since 1981 and developed innovative strategies involving its network of Cluster Organisations and Village Clubs for promotion of rural sanitation programs. Some of the strategies have been accepted as national policy for promotion of rural sanitation in the country. Presently RKMLSP is implementing Swachh Bharat Mission program in Purulia, Purba Medinipur and Paschim Medinipur districts.

During the reporting period a project titled "Mobilising Community Actions for Nirmal Bangla with Special focus in Purulia District- Phase-II" is being implemented in 20 blocks of Purulia district in collaboration with UNICEF and Purulia Zilla Parishad with the objective of elimination of Open Defecation Elimination (ODE). Following programs/activities have been implemented under the project in Purulia.

- District and Block level infrastructure strengthened engaging ten nos. District Resource Persons and thirty-two nos. Block resource persons. One day refreshers training on objective, implementation process and programs of the project organised for 57 project personnel, District and Block Resource Persons.
- Block level Social and Behavioural Change Communication (SBCC) and Open Defecation Elimination (ODE) Plan developed in 13 Blocks of Purulia district involving 1153 nos. participants including 767 women of Block Executive Heads, PRI members of Panchayat Samity and GPs, representatives of SHG Sanghas and Civil Society Organisations.
- Fourteen nos. District level triggering programs conducted for ASHA workers and ANMs, Anganwadi Workers and supervisors of ICDS projects, Head Master/Mistress/Head Teachers of High/HS/MSK/SSK/Primary Schools and members of SHG Federations/Sanghas with 4345 nos. participants including 4198 women. Objectives of the triggering programs was to sensitize the participants to understand the importance of WASH and get them involve in Open Defecation Elimination movement to achieve the ODF status of Purulia district.
- Three days training for 57 nos. village masons conducted on quality installation of Household toilets under Swachh Bharat Mission / Mission Nirmal Bangla.
- One-day reorientation on construction of Household Toilet conducted for 59 Women Masons of Purulia.
- One-day orientation conducted in two blocks with 160 nos. managers of supply chain network on enhancing skills and capacity of quality installation of Household toilets.
- Hands on training support extended to 553 no. practicing masons

at construction sites for quality assurance of household toilet installation under MNB.

- Two nos. training programs conducted with 20 no. Women Self Employed Workers (SEW) on construction of smokeless chullah at ICDS centre. RKMLSP also extended technical support to conduct seven nos. training programs in 7 blocks for the training of SEWs on construction of Improved Chullahs in Anganwadi Centres of Purulia district.
- Social and Behavioural Change Communication (SBCC) programs implemented through conducting 3507 nos. Triggering Sessions along with 5 days follow up programs in 2845 no. villages of Purulia district with direct participation of 174438 people. Out of the total participants, women were more than 60%.
- Mass Hand Washing Campaign has been conducted in 576 Primary schools involving 52,216 students.

WASH activities in other districts of West Bengal

- 24057 no. Household toilets constructed under Swachh Bharat Mission/Mission Nirmal Bangla covering 226 villages in Purba and Paschim Medinipur districts.
- 760 no. households of 66 villages installed their toilets with own resourced motivated by RKMLSP's associated clusters/clubs.
- 326 households of 78 villages upgraded their basic toilet models motivated by associated clubs and technical support of Cluster Organisations.
- 21 no. toilet blocks have been constructed in educational institutions and 4 nos. Community Toilet Blocks installed in Purba Medinipur district. Also 38 no. Improved Smokeless Chullahs constructed in educational institutions in the kitchen of Mid-day meal.
- Nirmal Vidyalaya Week celebration has been conducted with 872 students of 10 schools in Purba Medinipur district.
- Students Rally on ODF sustainability have been organised in 598 schools with 52,657 students of Purba Medinipur district.
- 16 nos. Submersible pump installed for drinking water supply in 16 villages with the financial support of Purba Medinipur Zilla Parishad by the Cluster Organisations of RKMLSP.
- 24949 nos. water samples of public drinking water sources have been tested and reports have been shared with the concerned Gram Panchayats by the Water Testing Labs run by the Cluster Organisations of RKMLSP with financial and technical support of PHED, Government of west Bengal in Purba and Paschim Medinipur districts.
- Other than the public water sources, these labs have tested 5137 nos. water sample of educational institutions and 23 samples of other institutions. These labs also have tested 765 no. private

water samples, for which the owner of water sources, contributed partial cost for testing.

- Disinfection of 231 no. bacteriological contamination of Public Tube Wells and 19 no. water sources of schools have been done by the Labs.

b) Joint Forest Management Unit :

Green College Programme :

Green College- an initiative under the SKILL UP Programme sponsored by Welthungerhilfe, Germany has been initiated at Gosaba Rupayan, Gosaba, South 24 Parganas ; Motgoda, Bankura ; Santuri, Purulia and Ajodhya Pahar, Purulia through establishment of 4 Green Colleges since January 2020 for imparting vocational training on Natural Resource Management Issues identified by 15 courses of various duration for 1,250 youths and 2,250 farmers of poor, tribal and marginal communities of the districts and districts adjacent to the Green College Centres. The earlier Community Colleges at Gosaba, South 24 Parganas and Motgoda, Bankura running from 2013 and Green Colleges at Santuri and Ajodhya Hill of Purulia running since 2016 have been included under the same banner of Green College - skill up programme since January 2020. Short term courses on Goat rearing, Backyard Poultry, Tasar cultivation, Tasar Host Plant maintenance, Lac Seed Production, Lac cultivation and lac host plant maintenance, Tasar DFL production, Sustainable agriculture and Vermicompost, Fishery and Fish Feed Production, Nursery raising and Plant Propagation, Food Processing, Value Addition and Marketing , Sal leaf Plate Making, Medicinal plants cultivation , processing , value addition and Marketing, Mushroom Cultivation are offered at affordable training fees with free Hostel accommodation and food , if required. However, in addition to these training courses, training on Cutting and tailoring and Beauty Culture and Health Care have also been imparted from the Community Colleges in the previous years. Besides, to combat with the Covid-19 Pandemic situation, training on Mask Making and Sanitizer Preparation are also offered at each centre. Apart from imparting training, post training follow-up through Business Plan development, Bank Linkage and Market Linkage for promotion of Successful entrepreneurs is the major objective of this programme.

Development of Farmers' Field School for the enterprising farmers and run them on regular basis to cater eco-friendly, locally potential, cost-effective technological knowhow with effective utilization of the available Government support is another major area of this porogramme.

Wasteland Development Programme :

This is a NABARD sponsored programme in 2 Phases – WADI-I and WADI- II. Each phase is for 500 acres of wasteland covering 500 tribal families in Binpur-II Block of Paschim Medinipur (now Jhargram District). The basic objective of this programme is to green the area through orchard development in waste land and to promote the betterment of life of these people through an all-round attempt.

Plantation of 40,000 Mango and 30,000 Cashew plants in 1000 acre of waste land belonging to 1000 tribal families in Binpur II Block of Paschim Medinipur (now Jhargram) has been completed in 2 PHASES in 2019 started since 2007. Now apart from maintenance work for the orchards like watering, fencing, pesticide application, fruiting management, social development activities like Non-WADI development through Skill up training, Community Organization development, Business promotion through BPD, Bank linkage and Market Linkage, Environment Development Initiatives, Women development programmes are being initiated in its full length. 4 FPOs have been developed who are getting ready to take over the system of Production and distribution of these products (Mango and Cashew) after processing and value addition and Marketing of the same in the banner of a registered company and such FPOs are highly expected to take the responsibility for total development works of the area and its people in near future.

Early Child Education :

This programme covers Non-Formal Education Centres as Early Child Education Centres for the poor, marginal, economically backward and tribal children up to the age of 6 years in the forest fringe area of Bankura, Purulia and Paschim Medinipur. There are 9 such centres with 18 local teachers and 248 children. These centres help these children to develop school going habit, to know their environment, to follow certain good and hygienic habits, to inculcate their own tradition and value system and to have an idea of basic literacy.

All the children are provided with Learning materials and mid-day meal during school days. Besides, Dresses and Chappals during Durga Puja and Sweaters during winter are also provided to all the children.

The Centres operate regularly, Monday to Saturday, in the morning from 6 am to 10 am with a change in time schedule during winter. There are 4 Centres in Ajodhya Hill, Purulia, 2 Centres in Santuri, Purulia, 2 Centres in Bankura and 1 centre in Paschim Medinipur.

Empowerment of Downtrodden Women Programme :

This is a programme for promotion of empowerment of women of

the poor, marginal, economically backward and tribal communities of the forest fringe areas of Purulia, Bankura, Paschim Medinipur and Jhargram. Women empowerment through group mobilization is the basic objective of this programme. Women of SHGs have been imparted vocational training through our Green College at Bankura and Purulia and after completion of the training successfully they have been provided with a start-up support of to initiate their own business. The support is interest-free and refundable in instalments as per the convenience of the recipient. This programme has been initiated in June 2019 as a pilot project, the success of which may extend the volume, duration and area of the programme with a wider coverage. Till date, 41 women have received such support and are doing their own business of sal-leaf plate very interestingly.

c) Farm Sector Training on Agri-allied Activities :

15 numbers of training programmes on farm sector activities were organized (13 in South 24 Parganas and 2 in Purba Medinipore district) involving 300 farmers (male – 132 and female – 168). During this training the farmers selected by the concerned Guchha Samity through their affiliated / associated village organisations were encouraged to participate in the programme on various subject. This kind of training helps participating farmers to equip themselves with the recent knowledge about the low cost least polluting agriculture and other practices. This training programme had generated high ripple effect on the farmers of neighbouring villages. This training generally organized at the headquarters of the Guchha Samity or their affiliated / associated village organisations by bringing resource persons from the nearest Block Development Office or Agriculture University or Central / State Government led Research Centre.

Agricultural training Centre (ATC) & State Agricultural Management and Extension Training Institute (SAMETI)-West Bengal

Set Up: - The State Agricultural Management and Extension Training Institute (SAMETI) is the State level Nodal Institute for the Human Resource Development of the extension functionaries of Agriculture, Animal Husbandry, Horticulture, and Fishery etc. The SAMETI, Narendrapur is basically the Agricultural Training Centre (ATC), erstwhile Gram Sevak Training Centre, was established in the year 1967 as a fully sponsored institute of the Department of Agriculture, Govt of West Bengal for Pre-service and In-service training of grass root level extension workers (Krishi Prajukti Sahayak- KPS) of Agriculture Department along with the training of farmers' sons. In the year 2005 the ATC was nominated as SAMETI with the approval of Govt. of West Bengal as well as Govt. of India.

1. Pre-service and In-service training of grass root level extension

workers (KPS):

Being the nearest person to provide information and advice directly to the farmers in their area, for improvement of the agricultural scenario, the grass root level extension workers of Dept. of Agriculture are very crucial. Govt. of West Bengal initiated recruitment process of the Krishi Prayukti Sahayaks (KPS) in different districts. These KPS are to go through 6-month in service Training Course at the beginning of their service.

During this reporting period (2019-20) one such training courses i.e. 6-month in-service Course for newly joined KPS were conducted consisting of 45 (15 Male and 30 Female) trainees from different districts of West Bengal from 3rd September, 2019 to 2nd March, 2020.

Along with the basic mandate of ATC and SAMETI, at present the institute is also given responsibility to act as the Nodal Training Institute of different long term flagship training and educational programme of Govt. of India.

2. Different Medium and Short-term HRD programmes for Extension functionaries:

During the year 2019-20, the institute organised 160 Medium and Short-term programmes within institution campus including one special programme like annual celebrations of the institute. These programmes can be classified into four categories based on target groups like:

- i) **Programmes for Officers' level:** A Total 23 programmes were organised during 2019-20. Major programmes are : Post Graduate Diploma in Agricultural Extension Management (PGDAEM) - Contact Classes, and examinations of both semester I and Semester II, Orientation programme of Farm Tele Advisors (FTAs) on seasonal crops, ATM-BTM refreshers course, Programme on Anti-counterfeit of Agri-chemicals, Training on Mass Media Contents and Video production skills for Agricultural Extension, Safe-Use of Pesticide & Anti-counterfeit Campaign, Trg. On Geo-Tagging, Training on Gender Sensitization and Policy Advocacy of Gender functionaries, Training on NFSM, ATMA & Farm mechanisation Extension, Strengthening extension Services for Allied Sectors, Teachers Training of Technical Education.
- ii) **Programmes for middle level extension officers:** Out of 110 programmes organised during this 2019-20, major programmes are: Six months Pre-service and In-service training programmes for KPS, Diploma in Agricultural Extension Service for the Input-dealers (DAESI), Training of Pranimitra on Dairy development, Training of FIAC members and Farmer of ATMA, Training of Agri-Clinic and Agri-Business centre (AC-ABC), Training of Agriculture

Skill Council of India (ASCI) on Soil testing, Farm Mechanisation & Mushroom Production, Skill training of Rural Youths(STRY).

- iii) **Programmes for Progressive and Demonstrator Farmers:** Out of 13 programmes in this 2019-20, five-days farmers capacity building programme, Training cum exposure visit of FIAC and ATMA members, Training on innovative farming, training on Prani mitra on different etc. are the major.
- iv) **Seminar / Workshop:** During this 2019-2020, a total of 14 seminar- workshops are organised, in which Workshop on DAESI Study Material inauguration, Workshop on Evaluation of ATC / SAMETI training & other activities, Planning Review workshop of ATC / SAMETI trg. & other activities, ATC-KPS Trg workshop, PPIC training in workshop mode, DAESI Workshop on modalities of starting new sessions, Review Workshop of AC-ABC, workshop on Diversification of crop and Innovative technologies for income generation of farmers, Workshop in the occasion of inauguration of DAESI new 10th & 11th batches, National Seminar on Agro-chemical input & Its Extension Approaches towards Food Security & Bio –safety, Workshop on preparation of KPS model question, Exchange meet of extension functionaries, Seminar on GI Tagging & Traditional crop varieties, Workshop on Cropping system intensification in salt-affected Coastal area of WB & Bangladesh.

In those total 160 programmes a total of 6525 people are covered in which 1648 are female and rests 4877 are male and resulting 64074 trainee days.

3. Post Graduate Diploma in Agricultural Extension Management (PGDAEM):

Two - semester PGDAEM course is for the extension functionaries (technical graduate officers of agriculture and allied departments) of the states to upgrade their knowledge and information and to equip themselves for providing proper advice to the farmers and other agriculture stakeholders in the area of 'market-led production economy, use of IT in agriculture etc. The candidates are from Dept. of Agriculture, Fisheries, Animal Resource Development, Commercial Bank, KVKs etc. So far in 12 different batched from 2007-08, 576 officer have passed in this programme.

4. One -Year Diploma in Agricultural Extension Service for the Input dealers (DAESI):

One-year duration Diploma course for the agri-input dealers has been started at SAMETI since 24th August, 2013. This is an important drive to equip the dealers who are engaged in agricultural input supply along with advisory to the farmers directly. It has been noticed for many years that

farmers have a very close relation and access to the dealers regularly and they use to receive different suggestions/ recommendations on agricultural activities as the input dealers very much accessible to them. On the other hand it was also noticed that these input dealers has hardly any agricultural education and many a times unintentionally percolates in-effective recommendation, which not only increases cost of cultivation but also causes inefficient management of agricultural problems along with pollution to the environment. To bridge the gap and also by feeling the urgency of formal education of agri-input selling persons, Govt. of India through National Institutes of Agricultural Extension Management, Hyderabad, initiated this course 'Diploma in Agricultural Extension Service for the Input-dealers (DAESI) in the country. After qualifying as the Nodal Training Institute for the State by SAMETI; West Bengal started this venture as one of the six pioneering states to initiate such venture in the country. Classes of this course are generally contains: Practical related to different standing field crops in different seasons; theory covering all the possible crop being in the field with observation of crop growth, pest incidence at a week interval; visits to different laboratories related to studies ; visit of Institutions/ organisation related to studies; visit of success stories/ model farms; collection of specimen (insect, disease, weed etc.), preservation and study; continuous data generation on market price of agricultural commodity etc.; record of farmers problems related to plant protection etc. at their shop and verification of recommendations etc. in the class on regular basis, exposure visit; project preparation etc. In this year 2800 input dealers have undergone this course in 70 batches

5. Agri-Clinic and Agri-Business Centre (AC- ABC):

SAMETI is designated as the Nodal Training Institute for the Govt. of India approved and MANAGE, Hyderabad sponsored course, 'Agri-clinic and Agri-business Centre' in West Bengal. The objective of this two months duration course is for promotion of entrepreneurship in the area of agriculture as well as to spread agricultural extension activities through the agriculturally educated and professionally trained peoples. Different aspects of agricultural business, entrepreneurship development, banking aspects, project management, fund management, public-private partnership, different act and law deals with agricultural business, marketing management etc. are being taught to the trainees through practice and learning mode. After completion of this course the successful trainees are eligible for bank loans up to Rs. 20 lakhs for establishment of entrepreneurship with up to 46 percent subsidy. So far 451 trainees completed the courses in fourteen batches and among them more than 40 percent candidates have established their ventures.

6. National Food Security Mission (Oil Seed & Oil Palm)

NFSM (OS & OP)

National Food Security Mission (Oil Seed & Oil Palm) NFSM (OS & OP) was launched during 2014-15 with the purpose of increasing production and productivity of oilseeds crops by bringing in fallow areas under cultivation and diversification of area from low yielding cereals. The major objective of the scheme is to enhance productivity and efficiency of oilseed and oil palm production, processing, value addition and product diversification to make this sector sustainable. During 2019-20, in **NFSM (OS & OP)** programme, crop seeds like mustard, sunflower, ground nut, sesame; different soil nutrients, irrigation accessories, agri- implements, seed bins etc. were distributed among the farmers. A total of 5758 farmers, from different districts of West Bengal, were benefited for this **NFSM (OS & OP)** Programme.

7. **Other Extension Activities:** Among other extension related activities, need assessment of training of different sectors at different level is one of the important responsibilities of the SAMETI. The institutes also conducted demonstration / trial of different advanced technologies on agriculture and allied subjects through Agricultural farm, Dairy & Poultry Farm, Poly House, Soil-testing unit, Vermicompost etc. For the direct service towards farming community the ATC extends support through customs hiring of agricultural implements, soil testing, production and distribution of quality seeds etc.
8. **New Infrastructure / project etc.**

New Farm Mechanisation Unit with training room and along with Agri-input store of the institute is opened under RKVY project.

**Faculty Centre for
INTEGRATED RURAL DEVELOPMENT & MANAGEMENT (IRDM)
Ramakrishna Mission Ashrama, Narendrapur, Kolkata: 700 103
under
Ramakrishna Mission Vivekananda Educational and Research
Institute (RKMVERI)
(Deemed to be University, as declared by Govt. of India under section
3 of UGC Act 1956)**

Ongoing Courses

- MSc in Agricultural Biotechnology (AgBT)
- MSc in Agriculture and Rural Development (ARD)
- MSc (Agriculture) in Genetics and Plant Breeding (GPB)
- MSc in Environment and Disaster Management (EDM)
- Post-Graduate Diploma in Post- Harvest and Food Technology (PHFT)

- PhD in Agricultural Biotechnology
- PhD in Agriculture and Rural Development
- PhD (Agriculture) in Genetics and Plant Breeding
- PhD in Environment and Disaster Management

A. Enrolment Status

Academic Period 2019-21: During the academic period, 31 students were admitted to the M.Sc. course in Agriculture and Rural Development, 20 students in M.Sc. Agricultural Biotechnology, 13 students in Environment and Disaster Management, 10 students to the M.Sc.(Agri.) course in Genetics and Plant Breeding, and 8 students to the Post Graduate Diploma course in Post-Harvest and Food Technology. Among the admitted students, 29 students of MSc in Agriculture and Rural Development, 17 students of MSc. in Agricultural Biotechnology, 12 students of M.Sc. in Environment Disaster Management, 8 students of MSc(Agri.) in Genetics and Plant Breeding, and 6 students of Post Graduate Diploma course in Post-Harvest and Food Technology are continuing the study. During this academic session, one research scholar has newly been enrolled in Ph.D. program of Genetics and Plant Breeding Department.

B. Activities

1. **Celebration for NAAC performance:** Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI) celebrated at IRDM Faculty Centre on **19 April, 2019** for the outstanding performance (A++ Grade) in NAAC assessment and all teachers, staffs, students and guest faculty members participated in the celebration. Swami Atmapriyananda, Vice Chancellor, Ramakrishna Mission Vivekananda Educational and Research Institute, disclosed in brief the evaluation report of NAAC. Swami Dhyaganamyanda, Head of the Department, Computer Science and Coordinator of IQAC deliberated about the detailed performance of RKMVERI against each of the criterion of assessment.
2. **Admission to the ongoing courses:** Admission Test of various courses containing written test and interview were conducted, and students took admission in the following courses:
 - a. MSc in Agricultural Biotechnology (ARD)
 - b. MSc in Agriculture and Rural Development (AgBT)
 - c. MSc (Agriculture) in Genetics and Plant Breeding (GPB)
 - d. MSc in Environment and Disaster Management (EDM)
 - e. PG Diploma in Post-Harvest and Food Technology (PHFT)

| Sl. No. | Program/ Course Name | Application received | Appeared in Examination | Shortlisted for Interview | Final Selection |
|---------|----------------------|----------------------|-------------------------|---------------------------|-----------------|
| 1 | M.Sc. in ARD | 141 | 121 | 109 | 31 |
| 2 | M.Sc. in AgBT | 151 | 128 | 72 | 20 |
| 3 | M.Sc. in EDM | 77 | 72 | 57 | 20 |
| 4 | M.Sc.(Agri.) in GPB | 29 | 21 | 16 | 15 |
| 5 | PGD in PHFT | | | | 08 |

3. **Visit of ICAR scientists :**Dr. Debashis Dutta, Principal Scientist and Dr. Jaira Chowdhury, Scientist both from Indian Institute of Farming System Research, ICAR, visited IRDM Faculty Centre from **27-30 June, 2019** for monitoring of experiments and laboratory visit. They appreciated the infrastructure and laboratory facilities prevailing at Narendrapur campus. They learned about the basic molecular biology techniques being routinely performed at IRDM Faculty Centre for identifying bacteria at DNA level.
4. **Commencement of classes:** Classes for all five courses namely, MSc in Agriculture and Rural Development, MSc in Agricultural Biotechnology, MSc in Environment and Disaster Management, MSc (Agri.) in Genetics and Plant Breeding, PG Diploma in Post-Harvest and Food Technology commenced on **01 July, 2019**.
5. **QRT team visit at IRDM:** The Quinquennial Review Team (QRT) of ATARI, ICAR chaired by Dr. R. K. Samanta, Former Vice Chancellor of Bidhan Chandra Krishi Viswavidyalaya, Dr. C. Sathpathy, QUAT Member Secretary, Dr. F. H. Rahaman, PS, ICAR-ATARI Kolkata visited at IRDM Faculty Centre on **21 August, 2019**. All members highly appreciated the activities of Sasya Shamala Krishi Vigyan Kendra of Ramakrishna Mission Vivekananda Educational and Research Institute.
6. **Orientation program by NGO:** Two representatives from Child In Need Institute (CINI), Kolkata gave an orientation about Teen Line project (a project primarily addressing socio-psychological problems of the youth through counseling over toll-free telephone line) on **07 September 2019** at the IRDM Faculty Centre. The project was planned to be integrated with the RLLE programme of the IRDM Faculty Centre.
7. **Inter-departmental research program:** Dr. Kunal Sikder and Dr. Arkadeb Dutta, Assistant Professors, Dept. of Sports Science and Yoga, RKMVERI visited the central instrumentation laboratory and

other laboratories at IRDM Faculty Centre on **13 September, 2019** to formulate a possible inter-departmental collaboration between Sports science and IRDM Faculty Centre.

8. **Joint investigation report to Directorate of Agriculture:** The Rice Research Station, Chinsurah, in collaboration with IRDM Faculty Centre of Ramakrishna Mission Vivekananda Educational and Research Institute submitted a technical report to the Joint Director of Agriculture, Govt. of West Bengal, on 'Studies on the microbial diversity of paddy soil at Rice Research Station, Chuchurah' on **20 September, 2019**.
9. **National Seminar (2019):** The staff and students of the IRDM Faculty Centre actively participated in the National Seminar on 'Agrochemical Inputs and It's Extension Approaches Towards Food and Bio-security: Prospects and Challenges (AEFS) being jointly organized by IRDM Faculty Centre, SAMETI/ATC and Sasya Shamala Krishi Vigyan Kendra during **15-16 November, 2019**.
10. **Collaborative International Project and Research:** Shawn Esmaili, a graduate student from the University of California, Davis carried out research work at the IRDM Faculty Centre, RKMVERI from **November 2019 to January 2020**. Mr. Shawn completed his assignment as a Fellow under the Research and Innovation Fellowship for Agriculture (RIFA) primarily funded by the University of California's Global Food Initiative.
11. **Training on Food Processing (2019):** A short training course on "Food Processing" was organized by the Department of Post- Harvest and Food Technology, IRDM Faculty Centre, RKMVERI. Five trainees including one entrepreneur from Jharkhand state, attended the training, held during **18 November to 23 November' 2019**.
12. **End term examination:** The End Term Final Examination of M.Sc ARD, M.Sc AgBT, M.Sc EDM, M.Sc(Agri.) GPB (Semester – I, Academic Period 2019-21 and III, Academic Period 2018-20) and Post-Graduate Diploma in PHFT (Semester – I, Academic Period 2019-20): Final examination of Theoretical and Practical papers for all Post Graduate Courses viz. Agriculture and Rural Development (ARD), Agricultural Biotechnology (AgBT), Genetics and Plant Breeding (GPB), Environment and Disaster Management (EDM) and one post-graduate diploma course in Post-Harvest and Food Technology (PHFT) were held from **09.12.2019 to 31.12.2019**.
13. **Training to women farmers':** Five days residential training programme of women farmers' on 'Scientific rearing practices of Sheep and Goat' were coordinated by IRDM Faculty Centre, RKMVERI, Ramakrishna

Mission Ashrama, Narendrapur with active collaboration of West Bengal University of Animal and Fishery Sciences (WBUAFS) during **26 – 30 December, 2019**. Around 60 women farmers' residing in North 24 Parganas district attended the training programme. The training program, a part of Bio-Tech Kisan Hub Centre activity, was sponsored by Department of Biotechnology, Government of India. Dr. Rupak Goswami and Dr. Sanchayeeta Misra, Faculty members of IRDM Faculty Centre, acted as Co-Principal Investigators of the project. In the inauguration session, Swami Shivapurnanda, Assistant Administrative Head of IRDM Faculty Centre, RKMVERI was present as chief guest. Dr. K.C.Dhara, Principal Investigator, Bio Tech Kisan Hub Project, Dr. N.C.Sahu, Head, Sasya Syamala Krishi Vigyan Kendra and Prof. Tapash Dasgupta Dean, IRDM, RKMVERI, were also present.

14. **Semester break recess:** After completion of the semester examination of first and third semester of all 5 courses, the students and teachers enjoyed 10 days semester break from **01 January, 2020 to 10 January, 2020** as per norms of the university. The second semester and final semester of all five courses commenced from 11 January, 2020.
15. **Talk by the Director of Agriculture, West Bengal:** Mr. Sampad Ranjan, Director, Department of Agriculture, Government of West Bengal visited the IRDM Faculty Centre on **24 January, 2020**. Dr. Tapash Dasgupta, Dean of IRDM Faculty Centre briefed him about the activities, research and projects of IRDM Faculty Centre. Mr. Patra interacted with the staff and faculty members of IRDM and explained the priorities of Directorate of Agriculture in West Bengal. He agreed to assign some projects on single cross breed maize cultivation and potato cultivation to IRDM Faculty Centre.
16. **Visit by the Director of Maize Institute, ICAR:** Dr. Sujoy Rakshit, Director, Indian Institute of Maize Research, ICAR visited the Agricultural Research Farm, IRDM Faculty Centre, specially to observe the AICRIP Maize trials at IRDM Faculty Centre, Ramakrishna Mission Vivekananda Educational and Research Institute, and Ramakrishna Mission Ashrama, Narendrapur Campus on **19 February, 2020**. He praised the efforts being taken to conduct the trails at IRDM Faculty Centre specially looking into growth and vigor of maize plants in the field.
17. **SIRO recognition:** The Department of Scientific and Industrial Research (DSIR), Govt. of India, has approved Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI) as a Scientific and Industrial Research Organization (SIROs) from **23.12.2019 to 31.03.2022**.

18. Closure of IRDM, RKMVERI, due to Covid19 pandemic: As a precautionary step to prevent and spread of pandemic Novel Coronavirus (COVID 19), the Ramakrishna Mission Vivekananda Educational and Research Institute has suspended all the internal examinations, classes, seminar, and field visit etc. from **16 March, 2020 – 15 April, 2020** in compliance with the order of Govt. of West Bengal.

C. Competitions, Cultural Events, Celebrations etc.: the participation details

- 1. Rabindra Jayanti celebration:** The staff and Faculty members of IRDM Faculty Centre celebrated 'Rabindra Jayanti' on **09 May, 2019** with great enthusiasm and reverence. All teachers shared their memorable incidents regarding the poems and story of Rabindranath Tagore which they have cherished since their childhood. One recitation competition was arranged in which students from different departments took part actively. Towards the end of the session, students performed few traditional heritage dances and songs.
- 2. Farewell to outgoing students:** The farewell function for the outgoing students of IRDM Faculty Centre (Academic Period 2017-19) was organized on **02 July, 2019**. All teachers pointed out the value and morals of life which need to be carried out by the students in their every aspects of life.
- 3. Foundation day celebration and convocation:** The fourteen anniversary celebration of the foundation and convocation of the Ramakrishna Mission Vivekananda Educational and Research Institute was held on **4 July, 2019 (Thursday)** at Vivekananda Sabhagriha, Belur Math, Howrah. Swami Suvirananda Maharaj, Chancellor of the University and General Secretary of Ramakrishna Mission and Ramakrishna Math, presided over the function and awarded the degrees and diplomas at the convocation. Twenty-one students from both courses viz. MSc in Agriculture and Rural Development and MSc in Agricultural Biotechnology received degrees in the convocation. Six students of Post Graduate Diploma in Post- Harvest and Food Technology courses also obtained their degrees in the convocation.
- 4. Blood donation camp:** A Blood Donation Camp was contrived by Ramakrishna Mission Ashrama, Narendrapur on **31 July, 2019**. 25 students from IRDM Faculty Centre voluntary donated the blood and rest of the students helped in managing the events.
- 5. Fresher's welcome:** The IRDM Faculty Centre heartily welcomed the Fresher students on **06 August, 2019**. All newly admitted students were felicitated by the senior students of ARD, EDM, GPB and AgBT,

Semester – III. The teachers of the IRDM Faculty Centre disclosed the rules and norms of the Institution and welcomed the students by wishing their prosperous life ahead.

- 6. Vidyarthi Brata :** A unique vow and worship for the newly admitted students, named as 'Vidyathi brata' was held on **23 August, 2019** at the Headquarters of the RKMVERI i.e. Belur Math in the presence of Swami Atmapriyananda Maharaj, Vice Chancellor, Ramakrishna Mission Vivekananda Research and Educational Centre and Swami Sarvalokanandaji Maharaj, Administrative Head of IRDM Faculty Centre of RKMVERI and Secretary of Ramakrishna Mission Ashrama, Narendrapur.
- 7. Teachers' day celebration:** To commemorate the birthday of Dr. Sarvepalli Radhakrishnan, the Teachers Day was celebrated at the IRDM Faculty Centre on **05 September, 2019** with full enthusiasm. The teachers talked about the importance and relevance of Teachers' Day and students expressed their respect to the teachers through cultural programmes. On this auspicious day, students performed local Bengali folk songs, *Rabindra nritya o natok*.
- 8. Orientation program by a successful candidate:** One lecture-cum-orientation programme on '**West Bengal Civil Services Examination**' was arranged by the IRDM Faculty Centre for its students on **14 September, 2019**. Mr. Sanjib Mondal, former student of IRDM Faculty Centre, who has recently cracked the WBCS examination, acted as a resource person. 45 students belonging to different departments actively participated in this orientation programme. Mr. Sanjib explained in details the strategy and methods need to be adopted to fare well in the civil services examinations.
- 9. Melting pot fellowship:** Ms. Ankita Sengupta from Kolkata-based NGO Prantakatha – Promoting Active Citizenship, gave an orientation to their flagship "Melting Pot Fellowship" on **23 September, 2019** at the IRDM Faculty Centre. They emphasized about the importance of social work and discussed how the students can get benefit from this fellowship. Forty Nine students from MSc ARD, MSc (Ag.) GPB, and MSc EDM course (Semester – I & Semester – III) and 4 teachers actively were present in the event.
- 10. Rashtriya Ekta Diwas:** The IRDM Faculty Centre celebrated the 'Rashtriya Ekta Diwas' or 'National Unity Day' on **31 October, 2019** to commemorate the 144th birth anniversary of Sardar Vallabhbhai Patel, the first home minister of India, also nicknamed as iron man of India. On the eve of this occasion, 'Unity Pledge' was taken by all teachers and students to foster unity and integrity of India. 'Run for Unity' was contrived by IRDM Faculty Centre to spread the message of security, unity and integrity of India.

- 11. Celebration of Vigilance Awareness Week - 2019:** The IRDM Faculty Centre celebrated Vigilance Awareness Week – 2019 on **01 November, 2019**. This program was jointly arranged by IRDM Faculty Centre and United Bank of India, Narendrapur Branch. One quiz competition and one extempore were arranged on this occasion on the issues of corruption, and students from all departments actively took part.
- 12. Bijoya Soshomi celebration:** To celebrate the 'Bijoya Doshomi', one get together was arranged by the IRDM faculty Centre for the staff and Ph.D scholars on **02 November, 2019**. All members praised the effort of administration to arrange the celebration for strengthening the integrity and harmony among the staff and teachers.
- 13. Celebration of 70th Anniversary of Constitution Day:** The 70th Anniversary of Constitution Day was celebrated on **26 November, 2019** at IRDM Faculty Centre. After reading of the preamble to the Constitution, all the students, scholars, staffs and faculty members watched the live telecast of the commemoration function of the Constitution Day, addressed by the Hon'ble President of India, Hon'ble Vice President of India and Hon'ble Prime Minister of India being originally conducted at the Central Hall, Parliament House, New Delhi.
- 14. National Youth Day:** The students of IRDM Faculty Centre celebrated 'National Youth Day' on **13 January, 2020** to symbolize the 158th Birth Anniversary of Swami Vivekananda. Ms. Shreshta Pattanaak, a final year student of MSc in Agricultural Biotechnology course, talked on 'Swami Vivekananda and his ideology for the development of the youth'.
- 15. Pariksha Par Charcha by the Honourable Prime Minister :** All staff, teachers and around 60 students of IRDM Faculty Centre attended the live telecast of the speech given by the honorable Prime Minister of India, Shri Narendra Modi on '**Pariksha Par Charcha 2.0**' which was held at the seminar hall of IRDM Faculty Centre on **20 January, 2020**.
- 16. 'Ramakrishna Mela' at Narendrapur Ramakrishna Mission Ashrama:** All the teachers, staff and students of the IRDM Faculty Centre took part in the celebration of the ashrama 'Ramakrishna Mela' which was held between **21-26 January, 2020** at Mandir Gate of Ramakrishna Mission Ashrama, Narendrapur. All departments demonstrated model, poster, charts etc. regarding activities of IRDM Faculty Centre to the visitors attending the fair.
- 17. Naranarayan Seva:** Like every year Ramakrishna Mission Ashrama, Narendrapur organized Naranarayan Seva at main Gate premises of

- the ashrama on **02 February, 2020**. All the students, teachers and staff of IRDM faculty Centre took part in the Naranarayan Seva with full enthusiasm. The participants helped in store management, prasada distribution etc. and also assisted in whatever help is required by the main organizing committee.
- 18. Training for online access on NAD:** To sensitize the students regarding the online access of the mark sheet and certificate, one Awareness Cum Orientation programme on 'National Academic Depository (NAD)' was organized at the IRDM Faculty Centre on **11 February, 2020**. Swami Shastravidananda, Deputy Registrar of RKMVERI addressed the students and explained the issue. Total 87 students from all departments of IRDM Faculty Centre took part in the training program.
- 19. Visit of students to International Poultry Fair:** Around 30 students along with two teachers attended in the 'International Poultry Fair' at Eco Park, Kolkata held on **14 February, 2020**. Four students have won consolation gifts from spot quiz competition regarding the poultry industry and its business in India. The organizers of the fair distributed the participation certificates to the students and appreciated their performance in the quiz competition.
- 20. Celebration of KARTAVYA- Commemoration of 70 years of the Indian Constitution:** As a part of the yearlong celebration of the 70th year of adoption of the Constitution of India, IRDM Faculty Centre organised a poster making competition and an extempore competition at its Narendrapur Campus on the Fundamental Duties enshrined in the Constitution on **04 March 2020** (Wednesday) . Dr. M. P. Chengappa Assistant Professor (Law), West Bengal National University of Juridical Sciences, graced this event with his presence.
- 21. Awareness program for Covid19:** An awareness generation programme was held on **05 March, 2020** at the IRDM Faculty Centre to combat the chicken pox and the evolving situation of the spread of Novel corona virus (COVID – 19). Dr. Amitava Chatterjee, Emeritus Prof. of IRDM Faculty Centre discussed in details to the students, teacher and staff regarding the necessary precautions should be taken to prevent the deadly virus 'COVID – 19'. Dr. Chatterjee also pointed out the 'Dos' and 'Don't' to keep the safe distance from the Novel corona virus. Total forty nine participants were attend the session.
- D. International women's day celebration:** International Women's Day was celebrated by the students and teachers of the IRDM Faculty Centre on **9 March 2020** with full enthusiasm. The students participated in a debate session with the topic entitled 'notable International/Indian women and their contribution in the field of science and development

sector'. The teachers deliberated about the significance of the day. The event was followed by the distribution of awards to the winners. Total forty five students and seven teachers were present in the event. Dr. Amitava Chatterjee, Emeritus Prof. and Dr. Prakash Kanti Das, Guest Faculty member, discussed the importance and role of women for conducting research and higher studies citing example of Marie Curie, two times Noble Prize Winner, who struggled to achieve success in life. The motivational speech inspired the students.

C. Students Field Visit

| Programme | Date | Visit/practical details |
|---|-------------------------|--|
| Programme Name: MSc in Agriculture and Rural Development | | |
| MSc ARD; Semester-II (Academic Period 2018-2020) | 30/04/2019 | Visited to the Haringhata Farm to know the different management components of farm including poultry and cattle and interacted with the key officials. On the same day, students went to Bidhan Chandra Krishi Viswavidyalaya (BCKV) campus and interacted with teachers of the faculty of Agricultural extension to know the history and background of BCKV, Organizational structures, activities performed by the Extension unit etc. |
| MSc ARD; Semester – II (Academic Period 2018-2020) | 04/05/2019 | Visited the cell flower market near the Kolaghat Railway Station and discussed with the farmers, whole callers, retailer, buyer etc. different issues regarding the marketing of flower to understand the overall marketing chain. The CEO, other officials and members of Panskura Farmers Producers Organization (FPO) also explained their activities to secure the farmers income. |
| MSc ARD; Semester – II (Academic Period 2018-2020) | 26/05/2019 – 28/05/2019 | Visited at Patharpratima Block of South 24 Parganas, to study the various levels of poverty and its extent, and to know the role of Self Help Group's to empower the women under 'Anandadhara' |

| | | |
|---|-------------------------|---|
| MSc ARD; Semester – II (Academic Period 2018-2020) | 29/05/2019 | Visited at Department of Anthropology, Calcutta University to get an idea about the different developmental stages of humans and their contemporary civilization elements along with various material culture elements of different tribes. |
| MSc ARD; Semester – IV (Academic Period 2017-2019) | 22/05/2019 – 28/05/2019 | Visited at Mawlynnong, Meghalaya to know the Traditional Village council, to study the material culture and social organization of 'Khasi' tribe with emphasis of the following topics: -To understand the role of matrilineal society to empower the women - To observe the impact of modernity on present life of Khasi tribe - To get a brief idea how the Village Council is different from traditional panchayat system - To get an exposure on watershed area managed by the local community. |
| MSc ARD; Semester-III (Academic Period 2018-2020) | 07/08/2019 | Visited at Sasya Shamala Krishi Vigyan Kendra, KVK, RKMVERI, to know the different scientific management practices of fish farm including pond preparation and also breeding techniques. |
| MSc ARD; Semester-I (Academic Period 2019-2021) | 29/08/2019 | Visited Canning–II Block to study the major extension services being provided by ATMA and to know their functions and activities at the block level. |
| MSc ARD; Semester-I (Academic Period 2019-2021) | 31/08/2019 | Visited Nimpith Krishi Vigyan Kendra to study various extension services being provided by Nimpith KVK at different blocks of South 24 Parganas district. |

| | | |
|--|----------------------------|--|
| MSc ARD; Semester-I (Academic Period 2019-2021) | 20/09/2019 | Visited NBSS-LUP, Salt Lake along with Dr. Narayan Chandra Sahu, Principal Scientist, Sasya Shayamala Krishi Vigyan Kendra. Students visited the Soil Museum having different setup of land use profile of rock and minerals, watershed management, GIS laboratory etc. and they were exposed to various techniques and applications of GIS in land use planning. In addition to that, students also saw the whole campus and discussed with the scientists regarding the practical use of soil survey data. |
| MSc ARD; Semester-I (Academic Period 2019-2021) | 23/10/2019 - 26/10/2019 | Visited Shibrampur, Bokkhali of South 24 Parganas to study the different components of the village like basic infrastructures, housing and settlement patterns, livelihood, health and sanitation, educational institutions etc. and to get the handhold exposure on Participatory Rural Appraisal (PRA) sessions. Students. They had an interaction with the villagers and studied their cultural values, norms, rituals, dress code, food habit, cropping patterns etc. |
| MSc ARD; Semester – III (Academic Period 2018-2020) | 25/10/2019 | Visited at Basanti Block office of AMTA of South 24 Parganas, to know the various schemes and extension activities run by ATMA, interact the beneficiaries to know the current progress etc. |
| MSc ARD; Semester-I (Academic Period 2019-2021) | 05/11/2019 – 10/11/2019 | Visited Morabadi, Ranchi to study the socio-economic components of remotest tribal village and also investigate on the material culture and social organization of 'Birhor and 'Munda'. |

| | | |
|--|------------|---|
| MSc ARD; Semester – III (Academic Period 2018-2020) | 25/10/2019 | Visited at Basanti Block office of AMTA of South 24 Parganas to perceive the various schemes and extension activities run by ATMA, interact the beneficiaries to know the current progress etc. |
| MSc ARD; Semester – III (Academic Period 2018-2020) | 08/11/2019 | Visited the Sos, Saltlake (Orphan Home) to examine the different components and interventions strategy that SoS adopted to make the orphan children self-sufficient and self- reliant. Valobasa (Swadhar Home) to study the survivals and to interact with them for collecting information on their problems and to know the various services are being provided by the Govt. to get back them main stream in the society. |
| MSc ARD; Semester – III (Academic Period 2018-2020) | 20/11/2019 | Visited to Sanlaap to get the practical exposure on Short Stay Home where girls suffering from deadly danger like domestic violence, rape, human trafficking etc are staying, and to interact with the survivals to acquire the information's on different causes of human trafficking in India. |
| MSc ARD; Semester – III (Academic Period 2018-2020) | 22.11.2019 | Visited the Domjur Rural Health Hospital to figure out different health care services being provided at block level and also to examine the prevailing infrastructure, and government schemes ,and programmes being in operation in the Domjur Rural Health Hospital. |
| MSc ARD; Semester – III (Academic Period 2018-2020) | 03.12.2019 | Visited three model villages namely Kapasberia, Padumkhana and Dihigumai under the aegis of Tamrolipto Guchha Samity, East Midnapure and investigated the different components of sanitation, safe drinking water and solid and liquid waste management. |

| Programme Name: MSc in Environment and Disaster Management | | |
|--|----------------------------|--|
| MSc EDM; Semester – III (Academic Period 2017-2019) | 27/07/ 2019 | For the disaster management orientation a one day field visit was organised in the coastal area near Talsari, Odshia. |
| MSc EDM; Semester – III (Academic Period 2017-2019) | 07/08/2019 – 11/08/2019 | Under the DST climate change project, field studies was organised in Purba Midnapore to collect the environmental and human thermal data. |
| Programme Name: MSc (Ag.) in Genetics and Plant Breeding | | |
| MSc GPB Semester – I (Academic Period 2018-2020) | 20/02/2019 | Visited Nuziveedu Seed Company Pvt. Ltd, Barackpure, North 24 Parganas to study the morphology and physiological characteristics of different Rice, Mustard, and Maize varieties growing in the experimental field. |
| MSc GPB Semester – I (Academic Period 2018-2020) | 17/04/2019 | Visited Nuziveedu Seed Company Pvt. Ltd, Barackpure, North 24 Parganas to study the productivity of hybrid varieties of rice . The male sterile and restorer lines were also investigated. |
| MSc GPB; Semester – I (Academic Period 2019-2021) & MSc GPB; Semester – III (Academic Period 2018-2020) | 20/09/2019 | Visited Sasya Shamala Krishi Vigyan Kendra (SSKVK), Arapanch, Sonarpur, South 24 Parganas for the identification and characterization of different varieties of rice grown in the field of SSKVK. |
| MSc (Ag) GPB; Semester-I (Academic Period 2019-2021) | 19/10/2019 | Visited 'Nuziveedu Seeds Private Ltd.' company at Barrackpore, West Bengal. The objective was to be acquainted with different classical plant breeding methods and their applications to develop and improve the best high yielding variety. |

| M.Sc. in (Ag.) Genetics and Plant Breeding (Semester-IV), Academic Period – 2018-20 | January – June, 2020 | Akash Datta, a M.Sc(Ag.) student of Genetics and Plant Breeding Department, has been selected to carry out dissertation work under joint supervision from scientist at International Rice Research Institute, Philippines, and IRDM Faculty member. The work is to be carried out mainly at IRRI on Gene editing in rice. |
|--|----------------------------|---|
| Programme Name: MSc in Agricultural Biotechnology | | |
| MSc ARD; Semester-I and MSc AgBT Semester-I (Academic Period 2019-2021) | 20/09/2019 | Visited NBSS-LUP, Salt Lake with Dr. Narayan Chandra Sahu, Principal Scientist, Sasya Shayamala Krishi Vigyan Kendra. Students became acquainted with the Soil Museum having different setup of land use profile of rock and minerals, watershed management, GIS laboratory etc. and also they were exposed to various techniques and applications of GIS in land use planning. |
| M.Sc. in Agricultural Biotechnology (Semester-II), Academic Period – 2019-21 | 12/02/2020 | Students of M.Sc in Agricultural Biotechnology participated in a one day national seminar on “New Horizons in Life Sciences” at Ramakrishna Mission Vidyamandira, Belur Math, Howrah. |
| Programme Name: PG Diploma in Post Harvest and Food Technology | | |
| PG Diploma; Semester – I (Academic Period 2019-2020) | 05/03/2020 - 08/03/2020 | Students of PGD in Post Harvest and Food Technology visited Gita Food Products, Maldah; Ayeshbag S.K.U.S.Ltd., Murshidabad to understand different activities of food processing. |

C. Any other Activities (Sports, Cultural, tours, excursions etc. - of Students)

- 1. Tree Plantation Program:** In the gracious presence of Revered Maharaj, Swami Sarvalokananda, Secretary Ramakrishna Mission Ashrama and Administrative Head of IRDM Faculty Centre, tree plantation programme was organized by the IRDM Faculty Centre on

19 September, 2019. All students, scholars, Prof. Tapash Dasgupta, Dean, and faculty members and staff, participated in the program.

- 2. Football Match:** A friendly intra-departmental football match between three teams (**Team A** – EDM, GPB, PHFT, AgBT and **Team B** – ARD) was arranged by the IRDM Faculty Centre on **02 September, 2019**. The Team – C comprising of teachers, staff and also students won the final match defeating the team B by 3-0 goals. All students, teachers and staff savored the program.

- D. Rural Living and Learning Experience (RLLE) – Phase - 1:** The students of Semester-II, MSc ARD (2018-20) spent first RLLE program during **31 March, 2019 – 09 April, 2019** at different rural belts of West Bengal. They presented their experience after returning from the field and also submitted a report. During RLLE program, the students resided at the farmers' house and perceived the problems of rural community day to day activities and formulated some possible remedies to surpass or minimize the problems. The detailed list about the placement of students in different organizations are given below:

| Organization/Place | Students Placed for RLLE |
|--|---|
| Kenduadihi Bikash Society, Bankura | Mr. Dhruvajyoti Pradhan, Mr. Sourav Naskar, Ms. Anushree Mukherjee, Ms. Sudeshna Bhattacharyya, Ms. Paromita Roy |
| Aranyak, Puruliya | Mr. Uday Mondal, Mr. Sumanta Choudhury, Ms. Sreemoyee Das, Mr. Bappa Mridha, Ms. Kuhelika Chakraborty |
| Nayantara Memorable Charitable Trust (NMCT) Field at:- 11/D Mohini Mohan Road, Kolkata – 700020 | Ms. Twinkle Mukherjee, Ms. Suparna Ojha, Ms. Anubha Saha, Mr. Sougata Nandi |
| Tufanganj Nari Mangal Bahini Parisebamulak Sambay Samiti Field at:- Andaranfulbari, PO – Chhatfulbari, Coochbehar West Bengal | Team A:- Mr. Koushik Mallick, Mr. Sagnik Samanta, Ms. Meghachhaya Misra, Ms. Kalpita Karati, Ms. Mukta Bhattacharyya Worked at Coochbehar District Team B:- Mr. Shamik Benerjee, Ms. Diya Das, Ms. Moitree Dey, Ms. Sanjukta Chakraborty, Mr. Kalyan Roy Worked at Alipurduar District |

Rural Living and Learning Experience (RLLE - (Academic Period 2018-2020) – Phase - II: The students of Semester-III, MSc ARD were on their second RLLE program during **18/09/2019 – 29/09/2019** at different rural development organizations of West Bengal. They would likely make presentation on their experience on returning from the field. Details about the placement of students are given below:

| Organization/Place | Students Placed for RLLE |
|--|---|
| Bidisha Field at:- Narayangarh, Paschim Medinipore West Bengal, Pin – 721101 | Mr. Shamik Banerjee, Mr. Dhruva Jyoti Pradhan, Ms. Suparna Ojha, Ms. Mukta Bhattacharyya |
| Hemnagar Sundarban Dream Branch:- Manju Te Daragaon, P.O – Lower Soureni PS & Block – Mirik, Dist – Darjeeling West Bengal | Mr. Uday Mondal, Mr. Sumanta Chowdhury, Ms. Annushree Mukherjee, Ms. Sejuti Bhattacharyya |
| Nayantara Memorable Charitable Trust (NMCT) Field at:- 11/D Mohini Mohan Road, Kolkata – 700020 | Ms. Kalpita Karati, Ms. Moitreyee Dey, Mr. Koushik Mallick, Mr. Sourav Naskar |
| Hemnagar Sundarban Dream Project Office:- Moukhali, PO – Chimta PS – SDB Coastal, Dist – South 24 PGS West Bengal, Pin – 74378 | Mr. Kalyan Roy, Ms. Diya Das Roy, Ms. Meghachhaya Misra, Ms. Shreemoyee Das |
| Sundaraban Milk Union Administrative Building 8th Floor Alipore, Kolkata | Mr. Sagnik Samanta, Mr. Bappa Mridha, Ms. Twinkle Mukherjee |
| Tufanganj Nari Mangal Bahini Parisebamulak Sambay Samiti Field at:- Andaranfulbari, PO – Chhatfulbari, Coochbehar West Bengal | Mr. Sougata Nandy, Ms. Sudeshna Bhattacharyya, Ms. Paromita Roy, Ms. Anubha Saha |

During the time period, the students dwelled at different rural belts of West Bengal. After successful completion of RLLE programme, they delivered their experience in a seminar program after returning from the field

followed by report submission. During this village study, students lived at the farmers' field and tried to realise the problems of rural community tackled in day to day activities and streamline plausible solutions to overcome the problems.

D. Learning through Organizational Attachment (LOA)

❖ **MSc in Agriculture and Rural Development:** The students of Semester –IV of MSc in Agriculture and Rural Development Programme (Academic Period 2018-20) had completed their two months LOA programme during **16th January – 15th March, 2020** at different rural development organizations in India. This year the MSc ARD students were engaged at National Institute of Rural Development and Panchayati Raj (NIRD & PR) North Eastern Regional Centre (Guwahati, Assam), National Innovation Foundation – India (Eastern India Cell, Bhubaneshwar, Odisha), Jharkhand State Livelihood Promotion Society (JSLPS) (Ranchi, Jharkhand), Child In Need Institute (South 24 PGS, West Bengal), Sundaraban Milk Union (South 24 PGS, West Bengal), Tata Rallies (West Bardhaman & East Midnapure, West Bengal), National Institute of Agricultural Extension Management MANAGE (Hyderabad, Telangana), Aditya Birla CSR (Hoogly, West Bengal),

❖ **MSc in Agricultural Biotechnology:** The students of Semester III of MSc in Agricultural Biotechnology Programme (Academic Period 2018-20) completed their LOA programme during **15 October, 2019 to 16 November, 2019** at different Agricultural Research and Development Organizations. This year the MSc AgBT students were assigned the LOA program at Keventer Agro limited, Subhasnagar, Nilganj Bazar, Vivekananda Institute of Biotechnology, Nimpith, Liebig's Agrochemicals Pvt. Ltd., Kolkata, Nuziveedu Seeds Limited., Barrackpore, and **College of Agriculture (Extended Campus of BCKV), Burdwan Sadar**

❖ **M.Sc (Agri.) in Genetics and Plant Breeding:** The students of Semester – III of MSc (Ag) in Genetics and Plant Breeding Programme (Academic Period 2018 – 20) have been completed their Learning through Organizational Attachment programme during **01.07.19 to 08.08.19** as a part of the course curriculum. Mr. Akash Dutta did his internship at the Indian Institute of Technology, Guwahati, and Ms. Meghashree Roychowdhury and Ms. Archita Sahu did their internship from Bio Tech Park, Lucknow.

E. MSc Dissertation Work

❖ **M.Sc Dissertation Seminar – I for ARD** (Academic Period 2017-19): The seminar was conducted on **06.05.19** at IRDM Faculty Centre.

Dr. S.N. Mitra (Former Principal, Surendranath Law College), Dr. A.K.Malliack (Retd. Reader, Dept. of Agricultural Extension, BCKV) and Dr. Arup Kumar Bandopadhyay (Retd. Prof., BCKV) were present in Seminar–I as external examiners.

❖ **M.Sc Dissertation Seminar – II for ARD (Academic Period 2017-19)** : It was conducted on **13.06.19** at IRDM Faculty Centre. Dr. S.N. Mitra (Former Principal, Surendranath Law College), Dr. A.K.Malliack (Retd. Reader, Dept. of Agricultural Extension, BCKV) and Dr. Arup Kumar Bandopadhyay (Retd. Prof., BCKV) were present in Seminar–I as external examiners.

❖ **M.Sc Dissertation Seminar – III for AgBT (Academic Period 2017-19):** The seminar was arranged on **19 June, 2019**. Prof. Subhra Mukherjee, Head , Department of Genetics and Plant Breeding, BCKV and Prof. Nirmal Mondal, Head, Department of Agricultural Biotechnology, BCKV evaluated the final seminar of students as external examiners.

F. **Placement of the passed out students:** During the Academic Year of 2019-20, the students from Agriculture and Rural Development Department and Agricultural Biotechnology Department got job opportunity or assignment at different National and State level organizations, companies and research institutes involved in the field of agriculture and rural development. The organizations like National Innovation Foundation – India, Shamayita Math, Pan Seeds Pvt. Ltd., Ingreens Pvt. Ltd., Dayal Group, District Administration-West Singhbhum of Jharkhand, IKOnet Research & Consultants Pvt. Ltd., Keventers Pvt. Ltd., TISS Gurukul Training Hub – Howrah, Bikash Society, Hope Foundation – Kolkata, Society for Indian Children's Welfare, Indian Statistical Institute, Kolkata; Child In Need Institute - Urban Unit were some of the organizations where passed out students were selected.

G. Activities of Ph.D. Scholars

➤ Ph.D. thesis submission seminar

- Ms. Tandra Mondal defended final PhD Thesis submission seminar on **10 May, 2019**. Dr. GG Ray, Prof. IIT Bombay, Maharashtra acted as an external examiner of the PhD viva-voce.
- Ms. Jayashree Sen defended final PhD Thesis submission seminar on **10 May, 2019**. Prof. Rahul Kundu, Department of Biological Science, Sourashtra University, Gujarat acted as an external examiner of the PhD viva-voce.

- Mr. Debarshi Basu (Swami Mahapragyananda) defended his final Ph.D Thesis Seminar on **14 June 2019**. Prof. R Bharat Ranjan, Department of Zoology, Manipur University acted as an external examiner of the PhD of the PhD viva-voce.
- **Award of the Ph.D. degree**
- Ms. Tandra Mondal, Ms. Jayashree Sen and Swami Mahapragyananda received their Ph.D Degree in the field of Agriculture and Rural Development, Environment and Disaster Management and Agricultural Biotechnology respectively.
- **Ph.D. Course Work**
- Course work of Agricultural Biotechnology – Ms. Adrija Banerjee, Mr. Argha Chakraborty and Mr. Shibasis Mukherjee are continuing their course work under the guidance of Dr. Gautam Chatterjee and Dr. Kisor Kumar
- Course work of Genetics and Plant Breeding – Ms. Anirneeta De is continuing her course under the guidance of Prof. Tapash Dasgupta and Dr. Ashutos Sawarkar.
- Four Ph.D scholars namely Ms. Adrija Banerjee, Mr. Argha Chakraborty, Mr. Shibasis Mukherjee and Ms. Anirneeta De has jointly delivered a multimedia presentation on **13 August, 2019** on a topic entitled 'Global warming. Climate change and Environmental Pollution' under the guidance of Dr. Kalyan Ganguly.
- As a part of the Ph.D Course work, all scholars are studying 'Research Ethics' as recommended by the UGC, Govt. of India.
- Thesis Preparation – The thesis writing of Ms Shatabdi Saha for final submission is going on under the guidance of Dr. Rupak Goswami.

H. Faculty Members' Activities

❖ Details of publications in Journals (peer reviewed) and Books

1. A.Nath, D. Nath, C.K. Santra and **T. Dasgupta**. 2019. Post-harvest Evaluation of Rice Hybrids for Grain and Cooking Qualities. *International Journal of Current Research and Review Research Article*. DOI: <http://dx.doi.org/10.31782/IJCRR.2019.11124>.
2. C. Das, A. Dutta, A.Muhuri, S.Kothari, P.Ghosh, A.Roy, **A.K.Hazra**, S.K.Bandyopadhyay and S.Chatterjee.2020. Biochemical Analysis and Evaluation of Antimicrobial Properties of Theaflavins and Flavonoids-rich Extract (TFE) and its Nanoconjugates: A Comparative Study. *IJPSR*, 2020 (Accepted)
3. D.N.Saha, P.Mukherjee, S.Dutta, K.Meena, S.K.Sarkar, A.B.Mandal,

- T. Dasgupta** and J. Mitra.2019. Genomic insights into HSFs as candidate genes for high temperature stress adaptation and gene editing with minimal of target effects in flax. *Scientific Reports* (www.nature.com/scientificreports/) Vol. 9: 5581 <https://doi.org/10.1038/s41598-019-41936-1>.
4. **J. Dasgupta and P.K.Nag**. 2019. Climate-Induced Thermoregulatory Responses in Non-Linear Thermal Environment: Investigating the Inter-Dependencies Using Facile Artificial Neural Network-Based Predictive Strategy. *International Journal of Occupational Safety and Ergonomics*, October, 1–66
5. K.Dhara, N.Moitra, **S. Misra**, S.Ghosh, S.Bose, and K.Poddar. (2019). Socio- Economic Status of the Sheep and Goat Farmers in Sundarban, West Bengal. *International Journal of Livestock Research*, Vol. 9(9), 168-179. doi:10.5455/ijlr.20190710050419.
6. K.Majumder, D.Nath, R.B.Mallick and **T.Dasgupta**. 2019. Grain Quality and Multivariate Analysis of Various Quality Parameters in Rice Genotypes. *Agricultural Science Digest*. DOI: 10.18805/ag.D-4995.
7. K. Ray, M.Brahmachari, **R. Goswami**, S.Sarkar, K.Brahmachari, A. Ghosh, M.K. Nanda. 2019. Adoption of improved technologies for cropping intensification in the coastal zone of West Bengal, India: A village level study for impact assessment. *Journal of the Indian Society of Coastal Agricultural Research*, Vol. 37(2), 144-52.
8. K.Ray, P. Sen, **R. Goswami**, S. Sarkar, K.Brahmachari,A. Ghosh, M.K.Nanda and M.Mainuddin. 2020. Profitability, energetics and GHGs emission estimation from rice-based cropping systems in the coastal saline zone of West Bengal, India. *PLoS One*, Vol. 15(5), DOI:10.1371/journal.pone.0233303.
9. M. Bhattacharjee, K. Majumder, S.Kundagrami and **T. Dasgupta**.2020. Evaluation of Recombinant Inbred Lines for Higher Iron and Zinc Content Along with Yield and Quality Parameters in Rice (*Oryzasativa* L.). *Indian Journal of Agricultural Research*. DOI: 10.18805/IJARE.A-5454.
10. M.Bhattacharjee, **S. H. Prakash**, S. Roy, S. Soumen, T. Begum and **T. Dasgupta**. 2019. SSR-based DNA fingerprinting of 18 elite Indian varieties of sesame (*Sesamumindicum* L.). *Nucleus* (Springer). Vol.63 (1) : 67-73.<https://doi.org/10.1007/s13237-019-00290-3>.
11. M.Bhattacharjee and **T. Dasgupta**. 2020. Comparison of start codon targeted (SCOT) and EST-SSR markers in sesame. *Journal of Oilseeds Research*, Vol. 37 (special issue):37.

12. **P.K.Nag**. 2020. Human-Centered Agriculture Ergonomics and Human Factors Applied. **Springer**, ISBN 978-981-15-7268-5 (In Press).
13. S.Dutta, S. Chakraborty, **R. Goswami**, H. Banerjee, K. Majumdar, B.Li, and M.L. Jat. 2020. Maize yield in smallholder agriculture system—An approach integrating socio-economic and crop management factors. **PLoS One**, vol. 15(2), DOI: DOI:10.1371/journal.pone.0229100.
14. S.Ghosh, J.K.Chatterjee, **A.K.Hazra**. 2019. Comparative evaluation of in vitro antioxidant activities and high-performance liquid chromatography fingerprinting of fruit peels collected from food processing industry wastes. **PhcogRes**, Vol. 11: 346-51.
15. S. Saha and **R. Goswami**. 2020. Destinations of Male Outmigration and their Drivers in Indian Sundarbans. **Space and Culture**, India, Vol. 8(1), DOI: 10.20896/saci.v8i1.601.

❖ DETAILS OF: WORKSHOPS / SEMINARS / CONFERENCES / SYMPOSIUMS ATTENDED DURING THE TIME PERIOD

1. Hiratan Dey attended a seven days' workshop on "Youth Leadership and People Skills" at TISS (Tata Institute of Social Sciences) Mumbai campus from 27th July to 2nd August 2019.
2. J.Sen, National Workshop on Hands on Training and Exercise on the Tool for Planning of Sustainable Development: ArcGIS held during 6th Sept –7th Sept, 2019 at Jadavpur University (attended).
3. Dr. A.K. Hazra delivered special lecture at North-Eastern Hill University (NEHU), Shillong, Meghalaya in UGC Refresher Course in Chemistry organised by NEHU in association with UGC-HRDC during 23rd –26th October, 2019 on the theme of "Chemistry Today".
4. Dr.Sanchayeeta Misra participated in CAFT Training programme on "Inculcating ICT-enabled skills for Technology Transfer" 05th to 25th November, 2019 at Bihar Agricultural University, Sabour, Bhagalpur.
5. Dr.Gautam Chatterjee attended and delivered an invited talk at the XIV Annual Group Meeting of All India Network Project on Organic Farming at ICAR-Central Island Agricultural Research Institute, Port Blair, India, 12-14 November, 2019.
6. Prof.Tapash Dasgupta delivered an invited lecture on "Application of Biotechnology in cropimprovement" in the National Seminar on Biotechnology held at Neotia University, Kolkata, November, 2019.
7. Dr. A.K. Hazra delivered an invited lecture at University Science Instrumentation Centre (USIC) Vidyasagar University, Paschim Medinipur, West Bengal, on 13-15th Nov, 2019.

8. Dr.Ashutosh Swarkar and Mr. Supriya Ghorui attended National Seminar National Seminar on "Agro-Chemical Inputs and Its Extension Approaches Towards Food Security and Bio-Safety: Prospects & Challenges" held on 15 & 16 November, 2019, at SAMETI-WB, Narendrapur, organised by SAMETI-WB, IRDM F/C-RKMVERI and SSKVK-RKMVERI.
9. Dr.Gautam Chatterjee attended and delivered a talk at the SERB-ECRA Group Monitoring Workshop at BITS-Pilani, Hyderabad campus, India, 15 February, 2020.
10. Dr.Gautam Chatterjee attended DST-SERB sponsored One-day Workshop on 'Hands-on Learning with Basic Bioinformatics for Beginners' at ICAR-Central Research Institute for Jute and Allied Fibres, Barrackpore, India, 22 February 2020.
11. J.Sen, National Symposium for hands on training on Python, R and QGIS from March 3rd to 6th, 2020 at Adamas University (attended).

❖ DETAILS OF: SPECIAL LECTURES / WORKSHOPS / SEMINARS / CONFERENCES / SYMPOSIUMS HOSTED / ORGANISED DURING THE TIME PERIOD

1. The ARD Department along with IRDM Faculty Centre organised a 5-days training programme for 60 rural women on "Scientific Rearing of Goat and Sheep" during 26-30 December 2019, supported by the Department of Biotechnology, Government of India.
 2. The ARD Department along with IRDM Faculty Centre participated in the National Seminar on 'Agrochemical Inputs and Its Extension Approaches Towards Food and Bio-security: Prospects and Challenges (AEFS)' jointly organized by ATC/SAMETI, IRDM Faculty Centre and SasyaShamalaKrishiVigyan Kendra during 15-16 November, 2019.
 3. ERASMUS and tutorial meeting was organised by EDM department during 23rd – 24th January, 2020 in the presence of International delegates from the participatory institutes.
 4. Organised a short training course on "Food Processing" during 18-23 November, 2019. Trainees including one entrepreneur from Jharkhand state attended the course.
- ❖ ANY OTHER ACTIVITY DURING THE TIME PERIOD WORTH MENTIONING
1. Shawn Esmail, A Graduate student from the University of California-Davis, visited and worked at the IRDM Faculty as a fellow of Global Fellowships for Agricultural Development (<https://caes.ucdavis.edu/outreach/geo/fellowships/GFAD>) from November 2019 to January 2020.

2. Dr.Gautam Chatterjee acted as an external examination paper setter B. Sc. (Ag.) Honours End Term Examination of Bidhan Chandra Krishi Viswavidyalaya, in 2019.
3. Dr.Gautam Chatterjee participated as an expert of organic farming to design and formulate course content of certificate course on 'Plant Health Management in Organic Farming' at National Institute of Plant Health Management, Hyderabad in 2019.
4. Prof.Tapash Dasgupta acted as an Examiner of Ph.D. thesis evaluation of Institute of Agricultural Science, Benaras Hindu University and Bidhan Chandra Krishi Viswavidyalaya in 2019.
5. Dr.Gautam Chatterjee acted as an External Examiner for setting question papers of B. Sc. (Hort.) Hons. End Term Examination, Bidhan Chandra Krishi Viswavidyalaya in 2019.
6. Dr.Gautam Chatterjee participated as a Special Invitee in the First Meeting for the Committee constituted for Empirically Validating the results of SPNF Model at Professor Jayashankar Telangana State Agricultural University, Hyderabad in 2019.
7. Prof.Tapash Dasgupta acted as an invited expert member of the 'State Varietal Release Committee' of Department of Agriculture, Government of West Bengal to evaluate the submission proposal of scientists and teachers to consider the release of new varieties in agricultural crops, 2019.
8. Dr.Gautam Chatterjee and Mr. Supriya Ghorui participated as experts and mentors to the 'Awareness and Motivation Workshop' for affiliated/constituted colleges under the Jharkhand Higher Education on the Revised Accreditation Format of NAAC held at Ranchi University, Ranchi on 16 December and at Vinoba Bhave University, Hazaribag on 18 December in 2019.
9. Prof.Tapash Dasgupta served as an expert member in the selection committee of Assistant Professor and Associate Professor at Uttar Banga Krishi Viswavidyalay, in 2019 and 2020.
10. Dr.Tapash Dasgupta delivered a special lecture on "Marker assisted breeding in sesame" at Uttar Banga Krishi Viswavidyalay, March, 2020.
11. Dr.Gautam Chatterjee acted as a Resource person to deliver a lecture on 'Emerging Role of Centromeres in Genome Evolution to Chromosome Manipulation' in the ICAR sponsored Training Programme at ICAR-Central Research Institute for Jute and Allied Fibres in 2020.

12. Prof.Tapash Dasgupta acted as a joint supervisor along with Dr. Inez-SlametLoedin, IRRI in M.Sc (Ag.) dissertation supervision of Mr.Akash Datta, on the topic " Study of OsNAS genes and evaluation of genome edited lines in rice" as a part of joint collaborative research between Genetics and Plant Breeding Department, IRDM Faculty Centre, RKMVERI and International Rice Research Institute, Manila,Philippines. 2020.
13. Dr.Gautam Chatterjee acted as a Resource person to deliver a lecture on 'Emerging Role of Centromeres in Genome Evolution to Chromosome Manipulation' in the ICAR sponsored Training Programme at ICAR-Central Research Institute for Jute and Allied Fibres in 2020.
14. Dr.Gautam Chatterjee acted as an External Examiner of M. Sc. (Ag.) thesis of Bidhan Chandra KrishiViswavidyalaya in 2020.
15. Dr.Tapash Dasgupta served as an expert member of Research Advisory Committee (RAC) of ICAR- Central Research Institute for Jute and Allied Fibres during 2017-2020.

I. Ongoing Research Projects

1. Project Title: Establishment of Biotech Kisan Hub, Funding Agency: Department of Biotechnology, Government of India (Rs.10 Lakh for the first two years). (Duration - 2018-2020, likely to be extended) As an activity of the project, one 5-days training programme was organized for 60 rural women during 26-30 December, 2019 at the IRDM Faculty Centre. 100 Black Bengal goat were distributed freely among 50 trainee women of Hingalganj Block, South Paraganas district (Dr.Rupak Goswami and Dr.Sanchayeeta Misra, Co-PI).
2. Project Title: Human surface thermographic profiling as indicator of climate susceptibility and impact mitigation using social networking, Funding Agency: Department of Science and Technology, Government of India, Rs. 69.43 Lakh (Duration - 2017-2020) (Prof. P.K. Nag, Principal Investigator, Dr.Rupak Goswami acted as Co-PI)
3. Project Title: All India Network Project on Organic Farming, Funding agency Indian Council of Agricultural Research - Rs 6- 7 Lakh per annum (Dr. Gautam Chatterjee)
4. Project Title: A Voluntary Centre of All India Coordinated Maize Improvement Project, Funding agency: Indian Council of Agricultural Research – Rs. 40,000-50,000 per annum (Prof. Tapash Dasgupta, Principal Investigator and Dr. Rambabu Raman, Subject Matter Specialist, Plant Breeding, Sasya Shamala Krishi Vigyan Kendra, Co-PI)

5. Project Title: Structure-function analysis of the centromeres and its associated centromeric protein CENP-A of the human pathogenic *Candida parapsilosissensulato* species complex, Funding Agency: Science and Engineering Research Board (SERB), DST, Govt. of India, Rs. 40.49 Lakh, Duration - 2017-20 (Dr. Gautam Chatterjee, Principal Investigator)
6. Project Title: Strengthening Network Education, Research and Innovation in Environmental Health In Asia, Funding agency: European ERUSMAS Project, Rs. 54.96 Lakh, Duration - 2017-20 (Prof. P.K.Nag, Principal Investigator)
7. Project Title: Establishment of Tissue culture laboratory and banana saplings commercialization, initially National Horticultural Mission, Government of India, sponsored the project and presently under commercialization phase. (Rs. 94.00 Lakhs , Prof.Tapash Dasgupta, Principal Investigator).
8. Project Title: Developing Multi-stress tolerant breeding materials in rice and mustard through advanced breeding method, Funding agency - Department of Agriculture, Government of West Bengal [Rs 85.00 Lakh; first installment of Rs. 45 lakh has been released] (Prof.Tapash Dasgupta, Principal Investigator and Dr. Ashutosh Sawarkar, CO PI).
9. Project Title: “Development of potential AChE –inhibitors from North-East Indian Plants: Activity-Guided Isolation, Purification and Validation using transgene-AD mouse” submitted to DBT under Twinning Program 2017-18 in collaboration with North Eastern Hill University (NEHU), Shilling has been sanctioned. The order regarding fund release was issued on 2nd July 2020 to implement the project. (Dr.Alok K. Hazra, Principal Investigator).

Sasya Shyamala Krishi Vigyan Kendra

Ramakrishna Mission Vivekananda Educational and Research Institute

INTRODUCTION

Sasya Shyamala Krishi Vigyan Kendra (SSKVK), under the aegis of Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI), is the 2nd KVK in this district (South 24 Parganas). The SSKVK is actively engaged in dissemination of technologies to the farmers, farm women and rural youths and development of farm sector in South 24 Parganas district. The KVK has its jurisdiction in total 14 blocks (Sonarpur, Baruipur, Bishnupur I, Bishnupur II, Bhangar I, Bhangar II, Budgebudge I, Budgebudge II, Canning I, Canning II, Falta, Thakurpukur-Maheshtala, Basanti and Gosaba), out of total 29 blocks in the district. The area under

its jurisdiction comes under two different agro-climatic zones viz. new alluvial zone (NAZ) and coastal saline zone (CSZ). The staff strength of the kvk is 16 as per norms of ICAR, and the staffs in position remain the same as in the last year.

MANDATED ACTIVITIES OF THE KVK

To implement the mandates (i.e. technology assessment and demonstration for its application and capacity development), the following activities are envisaged by the KVK:

- A) On-farm testing / trials (OFT) to assess the location specificity of agricultural technologies under various farming systems,
- B) Frontline demonstration (FLD) to establish production potential of technologies on the farmers' fields,
- C) Capacity development of farmers and extension personnel to update their knowledge and skills on modern agricultural technologies,
- D) To work as Knowledge and Resource Centre of agricultural technologies for supporting initiatives of public, private and voluntary sector in improving the agricultural economy of the district,
- E) Provide farm advisories using Information and Communication Technologies (ICTs) and other media means on varied subjects of interest to farmers.

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

ON-FARM TRIALS (OFTs)

Total 13 numbers of OFTs i.e. participatory research works based on farmers' problems and conducted in farmers' fields have been conducted during the last financial year. The detailed recommendations from the OFTs are as follows :

| Sl. No. | Technology | Recommendation |
|---------|--|---|
| 1. | Effect of macronutrient management on growth, yield and economics of hybrid Rabi maize | Fertilizer application based on the recommendation of nutrient expert® decision support software significantly increased yield attributes, grain yield and net return of hybrid maize over other practices, Based on these results, nutrient expert® based recommendation can be proposed to the farmers for any locations of the district, albeit such recommendations are entirely site-specific. |

| | | |
|----|--|---|
| 2. | Effect of soil application of sulphur on growth, yield and economics of hybrid sunflower during Rabi Season | In hybrid rabi sunflower, sulphur application (in soil) can be advocated for the district upto 50 kg S/ha for achieving optimum yield and nutrient use efficiencies of the crop. |
| 3. | Impact of retting technology on fibre yield and quality of jute | As the study confirmed that both ribbon retting and use of CRIJAF-Sona microbial culture gave at par results of fibre yield, both the technologies can be recommended for the jute belts of the district. However, farmers can get better net return in case of use of CRIJAF-Sona. |
| 4. | Evaluation of varietal performances in shelf life of tomato | Tomato variety Arka Rakshak, due to its highest yield, profit along with the better keeping and bio-chemical characters over other tested cultivars, can be recommended for the district. |
| 5. | Management of Flower and Fruit drop in chilli | In chilli, foliar spray of NAA 10 ppm (100 mg/liter of water) and Biozyme 2ml/liter of water at 45, 60 and 75 days after planting showed maximum number of fruit set, production by each plant and net return. |
| 6. | Varietal assessment through high yielding varieties of Greengram during summer season | As greengram variety IPM-02-3 recorded significantly highest seed yield, more bold and shiny grains with higher numbers of pods per plant, net return, it can be recommended for the major greengram growing blocks of the districts. |
| 7. | Assessment of different varieties of Lentil in Rabi season | Lentil variety Moitree recorded the highest seed yield, numbers of pods per plant, 100 seed weight and net return over other tested cultivars. Thus it can be recommended for the district as a rabi season pulse crop. |
| 8. | Increasing productivity potentiality of mustard using bee hive of <i>Apis mellifera</i> and <i>A. Cerena indica</i> | In the present study, mustard was evaluated using both Italian bee and Indian bee pollination in comparison with normal pollination. As yield enhancement of mustard was noted due to installation of Italian bee hive (<i>mellifera</i> type) @ 3 bee boxes per acre, this technology is recommended for mustard cultivation in the district. |

| | | |
|-----|---|--|
| 9. | Comparative analysis of IPM module and new generation insecticide in managing borer complex of green gram | Based on the farmers field trial it is recommended to go for Integrated Pest Management (IPM) technology i.e. <i>Trichoderma viridae</i> enriched cow dung @ 100 kg per bigha, seed treatment with Carboxin 17.5 % + thiram 17.5 % @ 3 ml per kg seed, installation of pheromone trap @ 4 per bigha, and need based spot application of NSKE @ 3 ml per lt for effectively controlling borer complex in greengram crop for the district. |
| 10. | Effect of supplementing fruit peel wastes on performance of backyard poultry | Present study showed that supplementing sweet lemon peel wastes and ripe mango peel wastes significantly increased egg production per year. However there was no effect of supplementing peel wastes on egg weight and mortality percentage. Thus these fruit peel wastes are recommended to be used in daily diets of backyard poultry for enhancement of production. |
| 11. | Evaluation of Breed Performance of Colored Meat Type Chickens | Present study showed that body growth and feed cost ratio (FCR) was significantly better in both Krishibro poultry and Caribro poultry birds over Farmers' Practice. However, mortality rate was higher in Caribro poultry. It could be concluded that Kuroiler growers should opt for rearing either krishibro or caribro chicks for better profit. |
| 12. | Studies on comparative efficiency of Biophyton, Periphyton and Green Water Bioflocs Technology (BFT) for enhancing productivity and reducing cost of cultivation of GIFT Tilapia | From present study, it is recommended that feeding with commercial feed @ 8-10% total body weight + Bio floc+ Periphyton (Bio-phyton rearing practices with stocking density 150000 nos/ha) can significantly increase production attributes, production and economics of GIFT Tilapia cultivation over farmers practice. |
| 13. | Assessment of shrimp waste management based aquaculture of <i>Litopenaeus vannamei</i> production in semi intensive culture system. | Shrimp farming with shrimp toilet, in present study, recorded highest production and better economics over the farmers' practices, and thus can be recommended for the shrimp farmers of the district. |

FRONTLINE DEMONSTRATIONS (FLDs)

FLDs are carried on technologies which are either already developed by ICAR Research Institutes and other state agricultural universities (SAUs) or in the pipeline. Total 44 numbers of FLDs on different technologies related to agriculture, horticulture, plant protection, fisheries and animal husbandry were carried out during 2019-20.

| Sl. No. | Discipline | Variety/Technology | Area (ha)/ No. of demonstration | Total no. of beneficiaries |
|---------|---------------------------------|--|------------------------------------|----------------------------|
| 1. | Crop production | System of rice cultivation (SRI) | 2 ha | 9 |
| 2. | | Drum Seeder technology for rice | 1 ha | 6 |
| 3. | | Maize-mungbean intercropping | 2 ha | 8 |
| 4. | | Cultivation of baby corn | 2 ha | 7 |
| 5. | | Rice-fallow intensification with lathyrus | 2 ha | 16 |
| 6. | Plant breeding and seed science | Performance of variety LSFH 171 of sunflower | 0.13 ha | 5 |
| 7. | | Performance of variety Dibakar of sunflower | 0.13 ha | 5 |
| 8. | Soil health management | Leaf colour chart (LCC) technology in rice | 1.2 ha | 5 |
| 9. | | Brown manuring technology in rice | 0.6 ha | 3 |
| 10. | | Green manuring technology in rice | 1.2 ha | 5 |
| 11. | | Leaf colour chart (LCC) technology in maize | 2.2 ha | 8 |
| 12. | Plant protection | Integrated Pest Management (IPM) of Stem Borer Complex in boro rice | 2.25 ha | 15 |
| 13. | | Fruit Borer Management in tomato | 1 ha | 10 |
| 14. | | Integrated Pest Management (IPM) in jute | 1 ha | 10 |
| 15. | | Diamond Back Moth management in cabbage | 1 ha | 10 |
| 16. | | Rhizome rot management through Trichoderma application in elephant footyam | 0.5 ha | 10 |

| | | | | |
|-----|---|---|----------|----|
| 17. | Horticulture | Improved package of practices with variety Centauro in broccoli | 0.266 ha | 8 |
| 18. | | Improved package of practices with variety Thai Asha (Green) in capsicum | 0.033 ha | 4 |
| 19. | | Improved package of practices with variety Early Nantes in carrot | 0.066 ha | 4 |
| 20. | | Improved package of practices with variety Kalash in Beet | 0.01 ha | 6 |
| 21. | | Improved package of practices with variety Falguni in French bean | 0.798 ha | 10 |
| 22. | | Improved package of practices with variety Surabhi in coriander | 0.266 ha | 10 |
| 23. | | Improved package of practices with variety Meghna in bitter gourd | 0.066 ha | 7 |
| 24. | | Improved package of practices with variety Bidhan Kusum in elephant footyam | 0.798 ha | 6 |
| 25. | | Improved package of practices with variety Suranjana in turmeric | 0.133 ha | 4 |
| 26. | | Improved package of practices with variety NS 506 in tomato | 0.133 ha | 4 |
| 27. | | Improved package of practices with variety Sheetal in cauliflower | 0.133 ha | 6 |
| 28. | Improved package of practices with variety Mohar in cabbage | 0.133 ha | 7 | |
| 29. | Improved package of practices with variety Big Boss in knolkhol | 0.266 ha | 8 | |

| | | | | |
|--------------|------------------|--|--------------------------------|------------|
| 30. | Livestock | Cultivation of fodder crops (Hybrid Napier, Fodder Maize Var. African Tall) | 5 units | 5 |
| 31. | | Rearing of Khaki Campbell Ducks | 6 units | 6 |
| 32. | | Scientific rearing of Turkey birds | 2 units | 2 |
| 33. | | Scientific rearing of Kaveri chicks | 34 units | 34 |
| 34. | Fisheries | Scientific rearing of ornamental birds (Badrika) | 3 units | 3 |
| 35. | | Freshwater Fishery diversification with Chital, Clown knife fish farming in culture pond | 7 units | 7 |
| 36. | | Brackishwater Species Diversification like Culture of Seabass | 7 units | 7 |
| 37. | | Magur fish Breeding & culture | 7 units | 7 |
| 38. | | Culture techniques for Crab farmers of Sunderbans | 7 units | 7 |
| 39. | | Low cost ornamental fish feed for better coloration and growth | 7 units | 7 |
| 40. | | Fish culture with periphyton technology | 7 units | 7 |
| 41. | | Culture of Improved Carp varieties - Jayanti Rohu | 7 units | 7 |
| 42. | | Ornamental fish culture | 30 units | 30 |
| 43. | | Ornamental fish village - 20 ornamental fish unit for Breeding and rearing | 20 units | 20 |
| 44. | Other enterprise | Enterprise development through Oyster mushroom cultivation | 65 units | 65 |
| Total | | | 23.311 ha and 214 units | 430 |

Cluster Front Line Demonstrations (CFLDs)

CFLDs were conducted in total 7 blocks (Baruipur, Bishnupur I, Basanti, Canning I, Canning II, Budgebudge I and Budgebudge II) involving 445 numbers of demonstrations with 445 numbers of farmers in 2019-20. The

details have been furnished below:

| Crop | Variety | Area (ha) | Number of beneficiaries |
|-----------------|--------------------------------------|------------|-------------------------|
| Pulses | | | |
| Lentil | IPL 316, Moitree and PL 8 | 10 | 56 |
| Green Gram | Virat and IPM 02-3 | 10 | 172 |
| Oilseeds | | | |
| Mustard | NRCHB 101, PM 30, PM 28 and YSH 0401 | 20 | 64 |
| Sesame | Tilottama | 10 | 32 |
| Sunflower | Dibakar | 50 | 121 |
| Total | | 100 | 445 |

TRAINING

Training programmes (both on- and off-campus) are conducted for practicing farmers and rural youths of the villages, and extension functionaries working in different Line Departments of the district, members of self-help groups (SHGs), Farmers' Clubs, NGO representatives and other stakeholders of agriculture, horticulture, livestock and fisheries. Summary of the training programmes conducted during 2019-20 is given below:

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

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | | | | | |
|---|----------------|---------------------|----|----|-----|----|-----|----|---|---|-------------|----|-----|--|--|--|--|
| | | Other | | | SC | | | ST | | | M | F | T | | | | |
| | | M | F | T | M | F | T | M | F | T | | | | | | | |
| I. Crop Production | | | | | | | | | | | | | | | | | |
| Weed Management | 2 | 34 | 0 | 0 | 16 | 4 | 20 | 0 | 0 | 0 | 50 | 4 | 54 | | | | |
| Nursery management | 1 | 1 | 2 | 3 | 5 | 7 | 12 | 0 | 0 | 0 | 6 | 9 | 15 | | | | |
| Integrated Crop Management | 7 | 51 | 22 | 73 | 149 | 65 | 204 | 7 | 1 | 8 | 207 | 88 | 295 | | | | |
| Others (Nutrient management) | 2 | 15 | 3 | 18 | 28 | 5 | 33 | 0 | 0 | 0 | 43 | 8 | 51 | | | | |
| II. Horticulture | | | | | | | | | | | | | | | | | |
| a) Vegetable Crops | | | | | | | | | | | | | | | | | |
| Production of low volume and high value crops | 1 | 4 | 28 | 32 | 4 | 5 | 9 | 0 | 0 | 0 | 8 | 33 | 41 | | | | |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|--|----------------|---------------------|----|----|----|----|----|----|---|---|-------------|----|-----|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Off-season vegetables | 2 | 17 | 4 | 21 | 19 | 27 | 27 | 0 | 0 | 0 | 36 | 12 | 48 |
| Nursery raising | 1 | 17 | 0 | 17 | 6 | 8 | 8 | 1 | 0 | 1 | 24 | 2 | 26 |
| Others (Cultivation of summer vegetables) | 2 | 10 | 33 | 43 | 14 | 8 | 22 | 0 | 0 | 0 | 24 | 41 | 65 |
| Others (Nutritional Gardening) | 1 | 3 | 3 | 6 | 6 | 14 | 20 | 0 | 0 | 0 | 9 | 17 | 26 |
| Others (Multi-tier Technology) | 2 | 26 | 0 | 26 | 26 | 8 | 34 | 0 | 0 | 0 | 52 | 8 | 60 |
| b) Fruits | | | | | | | | | | | | | |
| Layout and Management of Orchards | 1 | 16 | 0 | 16 | 11 | 3 | 14 | 0 | 0 | 0 | 27 | 3 | 30 |
| c) Ornamental Plants | | | | | | | | | | | | | |
| Nursery Management | 1 | 4 | 6 | 10 | 2 | 14 | 16 | 0 | 0 | 0 | 6 | 20 | 26 |
| g) Medicinal and Aromatic Plants | | | | | | | | | | | | | |
| Post harvest technology and value addition | 1 | 10 | 12 | 22 | 0 | 0 | 0 | 1 | 0 | 1 | 11 | 12 | 23 |
| III. Soil Health and Fertility Management | | | | | | | | | | | | | |
| Soil fertility management | 4 | 43 | 13 | 56 | 38 | 25 | 63 | 1 | 0 | 1 | 82 | 38 | 120 |
| Production and use of organic inputs | 2 | 4 | 6 | 10 | 10 | 8 | 18 | 0 | 1 | 1 | 14 | 15 | 29 |
| Management of Problematic soils | 1 | 8 | 5 | 13 | 2 | 1 | 3 | 6 | 3 | 9 | 16 | 9 | 25 |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|----------------|---------------------|----|----|----|----|-----|----|----|----|-------------|-----|-----|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Nutrient Use Efficiency | 2 | 6 | 0 | 6 | 20 | 3 | 23 | 2 | 37 | 39 | 30 | 38 | 68 |
| Soil & water testing | 1 | 2 | 1 | 3 | 21 | 11 | 32 | 0 | 0 | 0 | 23 | 12 | 35 |
| IV. Livestock Production and Management | | | | | | | | | | | | | |
| Dairy Management | 2 | 0 | 0 | 0 | 0 | 25 | 25 | 0 | 45 | 45 | 0 | 70 | 70 |
| Poultry Management | 4 | 11 | 5 | 16 | 40 | 95 | 135 | 0 | 0 | 0 | 51 | 100 | 151 |
| Others | 1 | 0 | 0 | 0 | 9 | 16 | 25 | 0 | 0 | 0 | 9 | 16 | 25 |
| V. Plant Protection | | | | | | | | | | | | | |
| Integrated Pest Management | 3 | 4 | 0 | 4 | 71 | 13 | 84 | 0 | 0 | 0 | 75 | 13 | 88 |
| Integrated Disease Management | 2 | 18 | 1 | 19 | 33 | 7 | 40 | 0 | 0 | 0 | 51 | 8 | 59 |
| Biocontrol of pests and diseases | 1 | 0 | 0 | 0 | 23 | 6 | 29 | 0 | 0 | 0 | 23 | 6 | 29 |
| Production of bio control agents and bio pesticides | 2 | 8 | 2 | 10 | 44 | 7 | 51 | 0 | 0 | 0 | 52 | 9 | 61 |
| VI. Fisheries | | | | | | | | | | | | | |
| Carp fry and fingerling rearing | 1 | 0 | 0 | 0 | 30 | 0 | 30 | 0 | 0 | 0 | 30 | 0 | 30 |
| Composite fish culture | 3 | 30 | 10 | 40 | 25 | 20 | 45 | 0 | 5 | 5 | 55 | 35 | 90 |
| Hatchery management and culture of freshwater prawn | 2 | 28 | 12 | 40 | 14 | 6 | 20 | 0 | 0 | 0 | 42 | 18 | 60 |
| Shrimp farming | 1 | 0 | 0 | 0 | 30 | 0 | 30 | 0 | 0 | 0 | 30 | 0 | 30 |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|--|----------------|---------------------|------------|------------|------------|------------|-------------|-----------|-----------|------------|-------------|------------|-------------|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Others (Bhery fisheries) | 1 | 0 | 0 | 0 | 30 | 0 | 30 | 0 | 0 | 0 | 30 | 0 | 30 |
| Others (Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond) | 1 | 7 | 3 | 10 | 14 | 6 | 20 | 0 | 0 | 0 | 21 | 9 | 30 |
| VII. Production of Input at site | | | | | | | | | | | | | |
| Seed Production | 6 | 75 | 8 | 83 | 81 | 23 | 104 | 10 | 5 | 15 | 166 | 36 | 202 |
| TOTAL | 64 | 452 | 179 | 597 | 821 | 440 | 1226 | 28 | 97 | 125 | 1303 | 689 | 1992 |

B) RURAL YOUTH (On and Off Campus)

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|----------------|---------------------|----|----|----|----|----|----|----|----|-------------|----|-----|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Seed production | 4 | 8 | 7 | 15 | 69 | 20 | 89 | 1 | 0 | 1 | 78 | 27 | 105 |
| Mushroom Production | 2 | 7 | 10 | 17 | 18 | 16 | 34 | 0 | 0 | 0 | 25 | 26 | 51 |
| Value addition | 1 | 10 | 12 | 22 | 0 | 0 | 0 | 1 | 0 | 1 | 11 | 12 | 23 |
| Sheep and goat rearing | 1 | 7 | 5 | 12 | 14 | 4 | 18 | 0 | 0 | 0 | 21 | 9 | 30 |
| Quail farming | 1 | 0 | 0 | 0 | 0 | 25 | 25 | 0 | 0 | 0 | 0 | 25 | 25 |
| Poultry production | 3 | 12 | 23 | 35 | 26 | 12 | 38 | 0 | 40 | 40 | 38 | 75 | 113 |
| Ornamental fisheries | 3 | 27 | 13 | 40 | 15 | 5 | 20 | 20 | 10 | 30 | 60 | 30 | 90 |
| Pearl culture | 1 | 0 | 0 | 0 | 30 | 0 | 30 | 0 | 0 | 0 | 30 | 0 | 30 |
| Fish feed preparation & its application | 1 | 7 | 3 | 10 | 14 | 6 | 20 | 0 | 0 | 0 | 21 | 9 | 30 |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|--|----------------|---------------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-------------|------------|------------|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Bhetki culture | 1 | 10 | 15 | 25 | 5 | 5 | 10 | 0 | 0 | 0 | 15 | 20 | 35 |
| Mud crab fattening | 2 | 30 | 10 | 40 | 0 | 0 | 0 | 10 | 5 | 15 | 40 | 15 | 55 |
| Magur Seed Production | 1 | 10 | 15 | 25 | 5 | 5 | 10 | 0 | 0 | 0 | 15 | 20 | 35 |
| Climbing perch culture | 1 | 25 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 25 |
| Air breathing fish culture | 3 | 30 | 10 | 40 | 25 | 20 | 45 | 0 | 5 | 5 | 55 | 35 | 90 |
| Others (Off-season vegetable production) | 1 | 15 | 0 | 15 | 16 | 2 | 18 | 0 | 0 | 0 | 31 | 2 | 33 |
| TOTAL | 26 | 198 | 123 | 321 | 237 | 120 | 357 | 32 | 60 | 92 | 465 | 305 | 770 |

C) Extension Personnel (On and Off Campus)

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|----------------|---------------------|-----------|-----------|-----------|----------|-----------|----------|----------|----------|-------------|-----------|------------|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Plant protection | 1 | 12 | 0 | 12 | 6 | 0 | 6 | 0 | 0 | 0 | 18 | 0 | 18 |
| Seed production | 2 | 28 | 16 | 44 | 26 | 0 | 26 | 0 | 0 | 0 | 54 | 16 | 70 |
| Productivity enhancement in fisheries through Best Management Practices | 1 | 15 | 10 | 25 | 5 | 5 | 10 | 0 | 0 | 0 | 15 | 20 | 35 |
| TOTAL | 4 | 55 | 26 | 81 | 37 | 5 | 42 | 0 | 0 | 0 | 87 | 36 | 123 |

D) Vocational training programmes for Rural Youth

| Crop / Enterprise | Training title | Duration (days) | No. of Participants | | |
|----------------------|--|-----------------|---------------------|--------|-------|
| | | | Male | Female | Total |
| Mushroom Cultivation | Scientific cultivation of mushroom and their pest management | 3 | 12 | 13 | 25 |

| | | | | | |
|-------------------------------------|---|-----------|------------|------------|------------|
| Livestock production and management | Poultry farming with special reference to broiler, layer and turkey | 3 | 20 | 15 | 35 |
| | Backyard Poultry Farming | 1 | 0 | 40 | 40 |
| | Scientific Goatery farming | 3 | 21 | 9 | 30 |
| | Scientific duck farming | 3 | 19 | 20 | 39 |
| | Homestead quail farming | 1 | 0 | 25 | 25 |
| Fishery and Aquaculture | Advance aquaculture practices for entrepreneur and NGOs | 5 | 40 | 0 | 40 |
| | Breeding and culture of ornamental fishes | 5 | 0 | 30 | 30 |
| TOTAL | | 24 | 112 | 152 | 264 |

E) Sponsored Training Programmes

| Sl. No. | Title | Thematic area | Duration (days) | Client (PF/RY/EF) | No. of courses | No. of participants | Spon-soring Agency |
|---------|--|------------------|-----------------|-------------------|----------------|---------------------|--|
| 1 | One day training on jute under NFSM-Commercial Crops-Jute | Crop production | 1 | PF | 1 | 50 | Directorate of Jute Development, Kolkata |
| 2 | One day workshop on Jute Agrotexile-cum-demonstration | Crop production | 1 | PF | 1 | 50 | ICAR-NINFET, Kolkata |
| 3 | Refresher Course | Plant protection | 3 | EF | 1 | 18 | Coromandel Intl. Ltd. |
| 4 | Seed Production of Oilseed | Seed Production | 2 | PF | 2 | 60 | Dept. of Agriculture, Govt. of West Bengal |
| 5 | Technologies for organic farming and marketing of organic products | Organic farming | 4 | PF/RY | 1 | 30 | NABARD |

| | | | | | | | |
|--------------|---|------------------------|---|-------|-----------|------------|-------------------|
| 6 | Soil health management for sustainable agriculture | Soil health management | 3 | PF/RY | 1 | 30 | RKVY |
| 7 | Soil health management for sustainable agriculture | Soil health management | 3 | PF/RY | 2 | 30 | RKVY |
| 8 | Homestead quail farming | Poultry farming | 1 | RY | 1 | 25 | ICAR-IVRI |
| 9 | Integrated fish farming | Fisheries | 3 | RY | 1 | 50 | NFDB |
| 10 | Integrated fish farming | Fisheries | 3 | RY | 1 | 50 | NFDB |
| 11 | Air breathing fish breeding and culture | Fisheries | 3 | RY | 1 | 50 | NFDB |
| 12 | Indian Carp Disease and its treatments | Fisheries | 3 | RY | 1 | 30 | RKVY |
| 13 | Ornamental fish Disease and its treatments | Fisheries | 3 | RY | 1 | 30 | RKVY |
| 14 | Shrimp Disease and its treatments | Fisheries | 3 | RY | 1 | 30 | RKVY |
| 15 | Ornamental fish breeding and culture | Fisheries | 5 | RY | 1 | 30 | ICMARD-Kolkata |
| 16 | Advance aquaculture practices for entrepreneur and NGOs | Fisheries | 3 | RY | 1 | 50 | ICAR-CIFA, Rahara |
| 17 | Air breathing fish breeding and culture | Fisheries | 3 | RY | 1 | 50 | NFDB |
| TOTAL | | - | - | - | 19 | 663 | - |

EXTENSION ACTIVITIES

A) Extension activities like field day, kisan mela, film show, method demonstration, workshop, group meeting, diagnostic visit, exposure visit, soil test campaign, self help group conveners meetings, mahila mandal conveners meetings, animal vaccination camp etc. were conducted in which total 11,227 numbers (7924 men and 3303 women) of farmers participated,

B) Special programmes like PM Kisan Samman Nidhi Scheme, Webcasting of PM's inauguration of National Animal Disease Control Programme (NADCP), Live telecast of Launching Program on DD Kisan, Celebration of World Fisheries Day and World Soil Day, Fertilizer Application Awareness Training Programme, Celebration of Constitution Day, Inauguration of second and third batch of Diploma in Agricultural Extension Services for Input Dealers (DAESI) in SSKVK (Nodal Training Institute) and Kisan Divas were organized in the KVK during 2019-20 in which total 1183 numbers of farmers participated,

C) Programme under Scheduled Caste Sub Plan (SCSP) in collaboration with ICAR-IVRI and ICAR-CIFA were conducted in Canning II and Sonarpur blocks, respectively. In collaboration with ICAR-IVRI, KVK had distributed 20 numbers of chicks (Cauveri breed) (two weeks old), 50 kg poultry feed and one kit of poultry medicines to each farmer. About 150 farmers were distributed with fish fingerlings by KVK in collaboration with ICAR-CIFA.

SEED PRODUCTION

A) In Instructional Farm of KVK and through village seed production programme, during 2019-20, KVK has produced total 179 quintal seeds of rice, lathyrus, greengram, mustard, turmeric, elephant footyam and dhaincha, 66,500 nos. of planting materials, 11.3 tonnes of vermi-compost, bio-fertilizer and bio-pesticide, 8932 nos. of birds, and 6.9 lakh fish fingerlings,

B) Another big programme funded by ICAR i.e. Seed Hub programme for pulse seed production was undertaken by the KVK in which 70 quintal of foundation and certified greengram seeds were produced.

Vivekananda Social Welfare Centre

This unit is conducted primarily for HARIJANS living in the slums of Rambagan area in North Kolkata. (i) Its 2 Charitable Dispensaries had treated 3,993 (New cases 778 Old cases 3,215) patients. (ii) Its Vocational Training Centre trained 238 trainees in different trades, such as Computer, Tailoring, Painting, Cane & Bamboo Crafts and Soft toys. All these services were offered free of charges. It organized vocational training Centre for 70 children (girls/boys) at Goabagan, North Kolkata and Hotor centered at South 24 Parganas. The children of these centres were provided with the supplementary nutritious food every day.

Rural Development Activities

The Rural Development Project started on July 1, 1972, particularly to help small and marginal farmers. It is dependent entirely on the contributions of public and private companies, big business establishments, charitable trusts and others.

Education and Training of Farmers' Children

This was done by extending the Book Bank facilities in a somewhat bigger way with some additional financial aid coming from our large hearted donors. Through the Book Bank 764 (Boys 334 & Girls 430) students coming from 124 schools far and near have been helped with 1976 text books and other reading aids, such as dictionaries, 912 dozens of note-books.

Craft Training-cum-Production (Tailoring)

To meet the essential and emergent needs of the residential institutions and the inmates of the Ashrama, the small tailoring section continued functioning reasonably well with its limited funds and accommodation, imparting training to some trainees

Medicinal Plants Research and Extension Centre**A) Medicinal Plants Garden :**

This Centre is maintaining 3 medicinal plants garden, of which one is located in the main campus of Narendrapur and the other 2 are located at Acharya Pally. Out of those 3 gardens, one is serving as the main display garden which is having over 250 species of medicinal plants. Most of the plants are being maintained in respective plots and each plot is provided with a label giving scientific and local names of the plant, the parts used as well as the diseases for which those plants can be utilised. During this period' over, 600 students along with their faculty members from as many as 25 colleges / universities / research institutes visited this garden for getting acquainted with those medicinal plants. Every time during visit of the students, an introductory lecture was given by Dr. S. K. Gupta, about importance of medicinal plants, their status and about various activities of this Ashrama for developing medicinal plants sector in West Bengal.

B) Second Medicinal Plants Garden :

This garden is located at Acharya Pally and is having as many as 50 species of medicinal plants and is also used for display purpose. This was established with the fund of the National Medicinal Plants Board' Govt. of India and this project is likely to continue for another 2 years. A report towards activities pertaining to this garden was submitted to NMPB. This garden was also visited by a large number of students / researchers.

C) Project on Production of Quality Planting Material of Medicinal Plants:

This project funded by National Medicinal Plants Board, Govt. Of India, is being operated in 4 acres of land located at Acharya Pally.

Altogether 15 species of medicinal plants, each in 2 plots (plot size 20ft × 20ft) are maintained and in the remaining part of land, 3 species among the aforesaid 15 specials are cultivated. All these planting material were genetically pure and were procured from CIMAP (CSIR Institute, Lucknow) and KFRI (Kerala Forest Research Institute, Trissur). The objective is to produce quality planting material and supply those to the farmers so that they get genetically pure propagating material. Unfortunately, due to excessive rain during August - September 2019 many of the plants were severely damaged due to inundation of plots. Hence, re-plantation was done twice. In connection with the project, a polyhouse which was erected at Narendrapur campus was maintained for keeping mother stock of some of the medicinal plants.

D) Project on Establishment of Facilitation Centre for Medicinal Plants :

This 2 - year project was completed in 2019 fulfilling the target objectives and conducting required number of Farmers' Training Programme and Stockholders' Meet. A final report of this project with UC / SOE were submitted to NMPB.

E) Project of R & D : Diversity ecology and management with bio-pesticides of nematodes and mites infesting medicinal plants in South Bengal :

This project work was carried out for 2 years and a consolidated report for 2 years of project performance has been submitted to NMPB. On the basis of work done in this project, a book as per details given below has been recently published.

Gupta S.K. and Mondal, A 2020 Mites and Nematodes on Medicinal Plants in India : Diversity, bio-ecology and management with bio-pesticides. Narendra Publishing House, Delhi, 403 pages.

Ma Sarada Women Empowerment Programme

Since 2009 this ongoing project has been serving towards Empowerment and Development of Rural Women through Self Help Groups. Initially the fund was provided by Geologist Prodip Dutta & Mr. Sisir Dhar, M.D. residing at USA. The disbursement of fund is always done after thorough scrutiny of the application forms of interested beneficiaries. Usually they are entitled to form self-help Groups with 10-20 members among themselves. The Financial Support is extended towards different activities like Goatery, Poultry, Dairy, Piggery, Other Agricultural activities, Sal leaf plate Making, Small Business etc. At Present the project covers the districts of Purulia, Birbhum, Burdwan, Murshidabad, Nadia, North 24pgs., Bankura and Paschim Madinipur. An amount of Rs. 4,10,000/- has been disbursed during 2019-2020 to 41 members in rural and tribal areas at Bankura district. There is no doubt that this is an important programme for improving and empowering socio-economic condition of the people of rural areas, specially for the tribal areas.

Charitable Dispensary, Hospital & Panchakarma

Attending Doctors:

1. Dr. A. Talukder : M.B.B.S.
2. Dr. S. Kumar : M.B.B.S., M.D.
3. Dr. Bhaskar Basu : M.B.B.S.
4. Dr. R. J. Mukherjee : M.B.B.S.
5. Dr. P. Roy Chowdhury : B.D.S. (Dental Surgeon)
6. Dr. S. Thakur : M.B.B.S., D.L.O. (Cal) E.N.T.
7. Dr. T. Dutta : M.B.B.S., DHA (Ortho)
08. Dr. Swathi Dutta (Ray) : M.B.B.S., DMCH (Diploma in Maternity & Child Health)
09. Dr. Jayanta Kr. Banerjee : M.B.B.S. (Kol) D.O
10. Dr. S. Ghosh : M.B.B.S. (Cal) D.O
11. Dr. Anindya Mookerjee : M.B.B.S., DMRD (Consultant Radiologist)
12. Dr. Shipra Saha : M.B.B.S. DHM (Sonologist)
13. Dr. Papiya Majumder : M.B.B.S. DNB (Pathology)
14. Dr. N. Jaiswal : M.B.B.S. M.D. (Path)
15. Dr. P. Bhattacharjee : M.B.B.S. M.D. (Path)
16. Dr. Sujan Kr. Das : M.B.B.S. (Cal) MD (Derm., Ven. & Lep)
17. Dr. S.N. Mukhopadhyay : M.B.B.S. M.D. (Medicine)
18. Dr. Pulak Ghosh Dostidar : M.B.B.S. (Cal) Dip. Card
19. Dr. Pratip Bhattacharjee : M.B.B.S. (Delhi), M.D. (Medicine, Pune) M.R.C.P. (UK), F.R.C.P. (UK)
20. Dr. Md. Moyeed Hussain : M.B.B.S. (Cal)

Homoeopathic

Dr. A. K. Ganguly : D.M.S.(Cal). P.E.T., F.W.T. (W.B.)

Ayurvedic

1. Dr. S.K.Saha, B.A.M.S. (Cal)
2. Dr. Sudipta Banerjee, B.A.M.S. (Cal)
3. Dr. Anamika Mukherjee, M.D. (Ayurved)
4. Dr. Manika Jana, B.A.M.S. (Cal)
5. Dr. Mintu Chakraborty, M.A.S.F. (Cal)
6. Dr. Nurul Aman Khan, B.A.M.S. (D.Y.T.P.T.)
7. Dr. Baisali Nag, M.D. (Ayurved)

Patients attended during the year in Worm Infestation, Diarrhoea/ Gastritis/ Indigestion, Injury/Fracture, C. Pox/Measles/Mumps, Viral Hepatitis,

Arthritis, Cough/Common Cold, Vit. Deficiency/Malnutrition, Asthma, Malaria, Typhoid, Conjunctivitis, Hypertension, Diabetes, Skin Disease, Contraception/Family Planning, Eye, E. N. T, Dental, Pathology, Child, Skin, Cardiology, Bed (Infection), Bed (General), Homeopathy, Radiology, U.S.G. are 64,355.

Panchakarma Unit

It offered therapies like Vamana, Virechan, Vasti, Sirovirechan and Raktamokshan to over 16,436 patients satisfactorily in the fields of therapies as: Abhyangam, Anna Lepa, Ardha Patra Swedan, Baitarini Vasti, Baluka Swedan, CPS, Griva Vasti, Hand Massage, Janu Vasti, JPS, Kashaya Vasti, Kati Vasti, J. Pinda Sweda, Ksheer Dhara, Matra Vasti, Nasya, Navara, Patra Pinda Swedan, Pichu, Ruksha Swedan, Shiravedh, Sirodhara, Sneha Vasti, Steam Bath, Traction Massage, Udvartan, Upanaha, Vaman and Virechana.

Ksharsutra Unit

In ano-rectal cases like piles, Fissure, Fistula we are treating patients successfully by Ayurvedic surgical procedure i.e. Ksharsutra.

Primary School

“Sishu Vidyavithi” is a co-educational Bengali medium school, started in the year 1972 with two wings namely the KG section and the Primary Section. It had 440 children (boys 364 and girls 76) during the year, of which 83 were from Scheduled Caste, 5 from Scheduled Tribe, 18 from OBC and 49 from Muslim community. It being partly residential, 12 boys stayed in hostel. There were 140 children in its Kindergarten, among them, 26 belonged to SC/ST categories, 2 to OBC and 13 to Minority.

Help, Scholarship, Subsidies etc.

During the year, Ashrama spent altogether **Rs.22,88,950.00** (Rupees twenty-two lakh eighty-eight thousand nine hundred and fifty) only as pecuniary help to the needy and distressed people of the locality. Large numbers of Dhuties, Sarees, Blankets and Children Garments were also distributed among them.

A sum of **Rs. 67, 71,433.00** (Rupees sixty-seven lakh seventy-one thousand four hundred thirty-three) only was given as scholarships and subsidies to financially weak but academically meritorious students.

Gadadhar Abhyudaya Prkalpa

This Programme was originally carried out as part of the celebration of Swami Vivekananda's 150th Birth Anniversary during the period between 2010 and 2014. In view of its success, Belur Math had decided to continue it beyond its stipulated period of execution at a somewhat smaller scale. Accordingly, the Math funded the programme till September 2014. Narendrapur Ashrama extended the programme from his own fund till

March 2015. Kamlat unit has been stop, but Ukhila Narendrapur unit runs as usual.

Now the programme is being implemented at two nearby centres, namely Ukhila, P.O. Narendrapur for 60 children from July 2015 and Kamlat P. O. Gobindapur from November 2015 Involving 50 children respectively under TCSF fund.

Tutorial classes are being conducted regularly from these children. Beside, medical and health check-up camps, Yoga and physical exercise classes, moral and value education sessions, music and song classes, community awareness camps, environmental education including personal and community hygiene, mothers camp, Value oriented films etc are also being systematically organised in these two places. Children are given nutritious items in tiffin as well as in lunch every day, other than the Sunday. They are also provided full school uniforms, sleepers, study materials, raincoats, winter garments, umbrella, toiletries (soap, tooth paste, brush, detergent and hair oil) and new clothes during festival seasons. People, cutting across casts and communities, from the locality participate in the weekly 'Pathachakra'. They observe various national, social, cultural and religious events harmoniously with a sense of bonhomie and joy as well. Presently Ukhila Narendrapur project has been shifted to a permanent place at old Vijnanananda Bhavana, and community centre of Kamlat Gobindapur project has been made from single to two storied building.

Conclusion

Ramakrishna Mission Ashrama, Narendrapur is a non-profit philanthropic organization devoted to self-less work for the people. It is substantially dependent on munificence for its continuing activities. Hence, it earnestly looks to the large hearted citizens and business communities for all sorts of assistance. It may be noted in this connection that any financial contribution made to its noble cause is exempt from Income Tax according to the provision of Income Tax Act 80G of Govt. of India. Donations received on the purpose are being adequately acknowledged. Cheques or Bank Drafts sent on this account ought to be always drawn in favour of its Secretary.

We hereby offer heartfelt thanks on this opportunity to donors, benefactors, friends, admirers and others who stood beside it and lent generous support with the resources at their disposals. Our sincere thanks are also due to Central as well as State Government for collaborating with its socially productive programmes and services. May Bhagawan Sri Ramakrishna, Holy Mother Sri Sarada Devi and Swami Vivekananda shower their choicest blessings on all who are directly or indirectly associated with the Ashrama!

AUDITED ACCOUNTS

Independent Auditor's Report

To the Management of **Ramakrishna Mission Ashrama Narendrapur Branch.**

Opinion

We have audited the financial statements of **Ramakrishna Mission Ashrama Narendrapur Branch** which comprise the Balance Sheet as at 31st March, 2020, and the Income and Expenditure Statement for the year then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion and to the best of our information and according to the explanations given to us, the accompanying financial statements give a true and fair view of the financial position of the entity as at 31st March, 2020, and of its financial performance for the year then ended in accordance with the accounting principles generally accepted in India.

Basis for Opinion

We conducted our audit in accordance with the Standards on Auditing (SAs) issued by ICAI. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the entity in accordance with the ethical requirements that are relevant to our audit of the financial statements in India, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Those Charged with Governance for the**Financial Statements**

Management is responsible for the preparation and fair presentation of the financial statements in accordance with the aforesaid generally accepted accounting principles in India, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error. In preparing the financial statements, management is responsible for assessing the entity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the entity or to cease operations, or has no realistic alternative but to do so. Those charged with governance are responsible for overseeing the entity's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with generally accepted accounting principles in India will always detect a material misstatement when it exists.

Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

A further description of the auditor's responsibilities for the audit of the financial statements is located at ICAI website at: <https://www.icaai.org>. This description forms part of our auditor's report.

Report on Other Legal and Regulatory Requirements

We report that:

- a. we have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit;
- b. the financial statements dealt with by this Report include the transactions related to foreign contribution received and utilised under the Foreign Contribution (Regulation) Act, 2010;
- c. in our opinion, proper books of account as required by law have been kept by the Ramakrishna Mission Ashrama Narendrapur Branch so far as appears from our examination of those books;
- d. the Balance Sheet, the Statement of Income and Expenditure, dealt with by this Report are in agreement with the books of account.

For and on behalf of
Alpana Mondal & Co.
 Chartered Accountants
 Firm Registration No.:326470E
(Alpana Mondal)
 Proprietress
 CA Membership No.:052673
 UDIN:20052673AAAEM4521

Place : Narendrapur, Kolkata
 Date : The 1st December, 2020

RAMAKRISHNA MISSION
Balance Sheet as

| FUNDS & LIABILITIES | Rs. | Amount Rs. |
|---------------------------------------|--------------|----------------------|
| CAPITAL FUNDS : | | |
| LAND & BUILDING FUND | | 63,44,56,817 |
| MOVABLE PROPERTIES FUND | | 20,76,19,014 |
| ENDOWMENT & PERMANENT FUND | | 33,37,76,026 |
| DEVELOPMENT FUND | | 6,94,41,033 |
| RESERVES : | | |
| General Funds - | | |
| Educational & Cultural | 8,45,58,479 | |
| Medical | 67,53,487 | |
| Rural Development | 1,22,05,215 | |
| General | - | 10,35,17,181 |
| OTHER FUNDS | | 1,93,80,332 |
| RELIEF FUND | | - |
| STAFF BENEFIT FUND | | 336 |
| GRATUITY FUND | | 1,13,60,673 |
| LOAN & ADVANCE : | | |
| From i) Bank | 1,26,99,682 | |
| ii) Headquarters/branches | 8,05,000 | |
| iii) Others | - | 1,35,04,682 |
| SUNDRY CREDITORS : | | |
| Inter - Branch | - | |
| External | 3,49,16,492 | 3,49,16,492 |
| SUNDRY AMOUNT PAYABLE : | | |
| Outstanding Expenses | 49,43,441 | |
| Scholarships & Stipends Payable | - | |
| Unutilised Grants etc. | 31,68,97,530 | |
| Fees & Charges Received in Advance | 45,07,105 | |
| Unadjusted Items | - | |
| Others | 1,22,51,150 | 33,85,99,226 |
| SUNDRY DEPOSITS : | | |
| Caution Money | 4,70,000 | |
| Consideration Money for Sale Property | 14,85,151 | |
| Students' Deposits | 1,41,58,170 | |
| Private Deposits (Schedule Enclosed) | - | |
| Others | 3,18,61,500 | 4,79,74,821 |
| TOTAL | Rs. | 1,814,546,633 |

For Alpana Mondal & Co.
Chartered Accountants
Alpana Mondal
Membership No : 052673

Place : Narendrapur, Kolkata
Date : 1st Decemeber, 2020

ASHRAMA, NARENDRAPUR
at 31st March 2020

| FUNDS & LIABILITIES | Rs. | Amount Rs. |
|---|--------------|-----------------------|
| LAND AND BUILDINGS | | 55,33,67,553 |
| CONSTRUCTION WORK-IN-PROGRESS | | 7,55,81,681 |
| MOVABLE PROPERTIES | | 20,10,68,337 |
| INVESTMENTS : | | |
| Endowment & Permanent Fund Investments | 33,36,69,885 | |
| Land & Building Fund Investments | 1,00,000 | |
| Movable Properties Fund Investments | - | |
| Development Fund Investments | 5,58,04,317 | |
| Other Investment | 5,70,52,339 | |
| Staff Benefit Fund Investments | 336 | |
| Gratuity Fund Investments | 1,09,96,433 | 45,76,23,310 |
| LOANS & ADVANCES (Inter Branch) | | 1,02,99,817 |
| LOANS & ADVANCES (considered good) | | 35,46,034 |
| SUNDRY DEBTORS (considered good) : | | |
| Inter-Branch | - | |
| External | 4,15,89,916 | 4,15,89,916 |
| SUNDRY AMOUNT RECEIVABLE : | | |
| Outstanding Fees & Charges | - | |
| Government Grants Receivable | 2,12,73,377 | |
| Unadjusted Items | - | |
| Others | 14,78,223 | 2,27,51,600 |
| SUNDRY DEPOSITS | | 21,51,884 |
| STOCK OF SUNDRY MATERIALS : | | |
| Building Materials | 4,60,800 | |
| Others (if any, Specify) | - | 4,60,800 |
| CLOSING STOCK (As per I/E A/C) | | 1,59,30,253 |
| CASH & BANK BALANCES : | | |
| Cash in Hand | 26,75,628 | |
| Cheque in Hand | 1,72,94,620 | |
| Balance with Banks (CD, SB, Flexi etc.) | 40,83,17,017 | |
| Balance with Post Office in SB & other A/C | - | 42,82,87,265 |
| BALANCE WITH HEAD QUARTERS | | 18,88,183 |
| GENERAL FUND (Debit Balance) : | | |
| Education & Cultural | - | |
| Medical | - | |
| Rural Development | - | |
| General | - | |
| TOTAL | Rs. | 1,81,45,46,633 |

(Swami Sarvalokananda)
Secretary

RAMAKRISHNA MISSION
Schedule of Assets As

| DESCRIPTION OF ASSETS | Rate of Depreciation | Written down values at 01.04.2019 Rs. |
|--|----------------------|---------------------------------------|
| Land & Buildings | | |
| 1. Land | | 4,76,18,817 |
| 2. Buildings @5% | 5% | 28,78,92,328 |
| 3. Boundary Wall @5% | 5% | 1,16,48,213 |
| 4. Statue @5% | 5% | - |
| 5. Tube-wells & Water Connection @5% | 5% | 1,98,12,887 |
| 6. Lift @15% | 15% | 38,09,170 |
| 7. Roads & Pavements @5% | 5% | 10,14,166 |
| 8. | | - |
| 9. | | - |
| TOTAL | Rs. | 37,17,95,581 |
| II. Construction Work-in-Progress Rs. | | 23,78,73,486 |
| III. Movable Properties | | |
| a. Furniture, Equipment, Plant etc. | | |
| 1. Furniture @10% | 10% | 3,59,21,816 |
| 2. Equipment (Other than Electrical) @10% | 10% | 9,25,59,568 |
| 3. Office Machinery (incl. Calculators) @15% | 15% | 8,92,564 |
| 4. Computers @40% | 40% | 1,22,22,567 |
| 5. Electrical Installation / Equipment @15% | 15% | 2,89,25,295 |
| 6. X-Ray Plant, Accessories etc.@40% | 40% | - |
| 7. Medical Equipment, Instrument etc.@40% | 40% | 50,14,528 |
| 8. Utensils and Utility Items @15% | 15% | 6,62,723 |
| 9. | | - |
| SUB TOTAL | Rs. | 17,61,99,061 |
| b. Vehicles | | |
| 1. Motor Car, Jeeps, Motorcycles @15% | 15% | 41,45,810 |
| 2. Buses, Lorries, Tractors @30% | 30% | 12,57,714 |
| 3. By-cycle/Cycle-rickshaws @15% | 15% | 4,34,570 |
| SUB TOTAL | Rs. | 58,38,094 |
| c. Library Books @15% | Rs. | 15% |
| | | 44,65,694 |
| TOTAL (a+b+c) | Rs. | 18,65,02,849 |

For Alpana Mondal & Co.
Chartered Accountants
Alpana Mondal
Membership No : 052673

Place : Narendrapur,Kolkata
Date : 1st Decemeber, 2020

ASHRAMA, NARENDRAPUR
at 31st March 2020

| Addition During the Year | | Discarded, Transferred Sold during the Year (Rs.) | Amount on which depreciation is charged (Rs.) | Depreciation for the Year Rs. | Amount on which depreciation is charged (Rs.) |
|---------------------------|-----------------------------|---|---|-------------------------------|---|
| From Capital Receipts Rs. | Out of Revenue Income (Rs.) | | | | |
| | 2,75,974 | - | - | - | 4,78,94,791 |
| 19,41,33,094 | 1,30,82,085 | - | 49,51,07,507 | 2,47,55,375 | 47,03,52,132 |
| | | - | 1,16,48,213 | 5,82,411 | 1,10,65,802 |
| | | - | - | - | - |
| 6,32,000 | 4,53,614 | - | 2,08,98,501 | 10,44,925 | 1,98,53,576 |
| | | - | 38,09,170 | 5,71,376 | 32,37,794 |
| | | - | 10,14,166 | 50,708 | 9,63,458 |
| | | - | - | - | - |
| | | - | - | - | - |
| 19,47,65,094 | 1,38,11,673 | - | 53,24,77,557 | 2,70,04,795 | 55,33,67,553 |
| 1,80,98,870 | 26,11,454 | 18,30,02,129 | - | - | 7,55,81,681 |
| | | | | | |
| 86,13,059 | 79,53,689 | - | 5,24,88,564 | 52,48,856 | 4,72,39,708 |
| 1,54,90,562 | 26,01,428 | - | 11,06,51,558 | 1,10,65,156 | 9,95,86,402 |
| | 8,378 | - | 9,00,942 | 1,35,141 | 7,65,801 |
| 12,54,534 | 39,63,564 | - | 1,74,40,665 | 69,76,266 | 1,04,64,399 |
| 7,57,447 | 21,28,846 | - | 3,18,11,588 | 47,71,738 | 2,70,39,850 |
| | | - | - | - | - |
| 2,90,630 | 56,730 | - | 53,61,888 | 21,44,755 | 32,17,133 |
| 10,779 | 1,32,628 | - | 8,06,130 | 1,20,920 | 6,85,210 |
| | | - | - | - | - |
| 2,64,17,011 | 1,68,45,263 | - | 21,94,61,335 | 3,04,62,832 | 18,89,98,503 |
| | | | | | |
| 3,13,882 | 7,68,000 | 2,32,448 | 49,95,244 | 7,49,287 | 42,45,957 |
| 29,86,837 | 27,058 | - | 42,71,609 | 12,81,483 | 29,90,126 |
| 19,000 | 12,320 | - | 4,65,890 | 69,884 | 3,96,006 |
| 33,19,719 | 8,07,378 | 2,32,448 | 97,32,743 | 21,00,654 | 76,32,089 |
| | | | | | |
| 4,45,160 | 3,10,022 | - | 52,20,876 | 7,83,131 | 44,37,745 |
| 3,01,81,890 | 1,79,62,663 | 2,32,448 | 23,44,14,954 | 3,33,46,617 | 20,10,68,337 |

(Swami Sarvalokananda)
Secretary

RAMAKRISHNA MISSION ASHRAMA, NARENDRAPUR
Income & Expenditure Account for the year ended 31st March, 2020

| EXPENDITURE | | INCOME | |
|---------------------------------------|--------------|------------------------------------|--------------|
| PARTICULARS | TOTAL (Rs.) | PARTICULARS | TOTAL (Rs.) |
| Establishment Expenses | 35,21,75,141 | Donation - Cash | 1,88,62,453 |
| Educational Expenses : | | Donation - Kind | 1,00,000 |
| Scholarships / Stipends / Aids | 67,18,502 | Donation - Foreign Contributions | 51,02,615 |
| Sports/Prizes/Excursions etc. | 23,20,310 | Grants : Government | 83,61,87,399 |
| Library Expenses | 4,33,758 | Grants : Public/Private/CSR Bodies | 4,49,80,950 |
| Training Programmes | 3,20,42,880 | Fees & Charges | 7,92,60,105 |
| Examination & Laboratory Exp | 52,19,363 | Boarders' Fees & Charges | 7,62,03,698 |
| others (Schedule Enclosed) | 17,403 | Interest/Dividend on : | |
| Cultural Expenses | 47,42,511 | Govt. Securities | - |
| Medical Expenses : | | Bonds | 54,40,315 |
| Hospitals/Dispensaries | 43,69,087 | Bank/P.O. Deposits | 1,84,64,018 |
| Mobile Units, Medical Camps | | Other Deposits | 1,45,98,555 |
| others (Schedule Enclosed) | 6,54,676 | Units of U.T.I. | - |
| Relief & Welfare Expenses : | | Mutual Funds | 64,056 |
| Primary Relief | 24,400 | Sale of religious literature : | |
| Rehabilitation | 1,42,800 | Inter-Branch | 3,21,735 |
| Welfare Work | 21,46,150 | External | 31,78,304 |
| Project Exp. Etc. (Community Welfare) | 59,04,22,043 | Other Sales : | |
| Publication Expenses & Purchases | | Religious/Other Articles | 1,42,63,849 |
| of Religious Literature : | | Students'/Medical Stores etc. | 19,63,081 |
| Inter Branch | 97,850 | Trainees' Products/Services | 98,62,092 |

| | | | |
|--|-----------------------|--|-----------------------|
| External Purchases : | 20,36,229 | Dairy, Poultry & Fishery Produce | 1,07,43,100 |
| Religious/Other Articles | 1,09,34,552 | Agriculture Produce | 4,00,34,237 |
| Students'/Medical Stores etc. | 18,35,583 | Sundries (Schedule Enclosed) | 2,02,003 |
| Trainees' Products/Services | 51,36,160 | Income from House/Other Properties | 66,72,427 |
| Exp. On Dairy, Poultry & Fishery | 93,28,547 | Souvenir/Charity Show Income | 9,524 |
| Agricultural Expenses | 2,98,57,701 | Miscellaneous Income (Schedule Enclosed) | 3,39,296 |
| Sundries (Schedule Enclosed) | | Receipts from : | |
| Souvenir/Charity Show Exp. | 14,64,745 | Headquarters (Schedule Enclosed) | 6,42,036 |
| Puja & Celebrations | 6,22,35,885 | Branches (Schedule Enclosed) | 1,31,54,930 |
| Boarding Expenses | | | |
| Repairs, Renewals & Maintenance : | | | |
| Land & Building incl. Garden | 59,75,050 | | |
| Motor Vehicles | 21,31,810 | | |
| Generators | 4,17,369 | | |
| Computer/Software/Website | 18,24,566 | | |
| Petty Equipment/Utensils | 3,65,442 | | |
| General Repair & Replacements | 46,87,826 | | |
| Printing & Stationery | 46,62,270 | | |
| Postage & Telephones | 19,96,077 | | |
| Travelling & Transit | 43,35,170 | | |
| Audit Fees & Expenses | 10,46,007 | | |
| Miscellaneous Expenses : | | | |
| Rent & Municipal Taxes | 8,64,160 | | |
| Insurance Charges | 1,59,600 | | |
| Legal Expenses | 64,750 | | |
| Others (Schedule Enclosed) | 11,37,788 | | |
| TOTAL C/O (Rs.) | 1,15,40,24,161 | TOTAL C/O (Rs.) | 1,20,06,50,778 |

RAMAKRISHNA MISSION ASHRAMA, NARENDRAPUR
Income & Expenditure Account for the year ended 31st March, 2020

Annual Report 2019-20

| EXPENDITURE | | INCOME | |
|----------------------------------|-----------------------|----------------------------------|-----------------------|
| PARTICULARS | TOTAL (Rs.) | PARTICULARS | TOTAL (Rs.) |
| TOTAL B/F (Rs.) | 1,15,40,24,161 | TOTAL B/F (Rs.) | 1,20,06,50,778 |
| Interest on Loans : | | Closing Stock : | |
| i) Head Quarter | - | Publication/Religious Literature | 40,45,770 |
| ii) Banks | 5,52,698 | Religious/Other Articles | 27,38,700 |
| Payment to : | | Students'/Medical Stores etc. | - |
| Headquarters | 20,71,090 | Trainees' Products | 19,10,586 |
| Branches | 4,54,537 | Dairy/Poultry/Fishery | 42,79,995 |
| Yearly Contribution to H. Q. | 500 | Agriculture | 4,53,366 |
| Opening Stock : | | Consumable: Goods/Stock/Stores | 25,01,836 |
| Publication/Religious Literature | 47,48,614 | Other Items | - |
| Religious/Other Articles | 27,45,501 | | |
| Students'/Medical Stores etc. | - | | |
| Trainees' Products | 23,96,701 | | |
| Dairy/Poultry/Fishery | 45,90,403 | | |
| Agriculture | 62,869 | | |
| Consumable: Goods/Stock/Stores | 21,63,954 | | |
| Other Items | - | | |
| Surplus Carried Down | 4,27,70,003 | Deficit Carried Down | - |
| TOTAL (Rs.) | 1,21,65,81,031 | TOTAL (Rs.) | 1,21,65,81,031 |

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| | | | |
|---|--------------------|---|--------------------|
| Deficit Brought Down | 57,52,025 | Surplus Brought Down | 4,85,22,028 |
| Capital Expenditure met from Revenue income : | | Receipts against earlier Years' Deficit | |
| a. Land & Building etc. : | | Government Grants | 1,29,58,949 |
| Land | 2,75,974 | Public/Private/CSR Bodies' Grants | 3,78,450 |
| Building etc. | 1,35,35,699 | Donations | - |
| Construction W.I.P. | 26,11,454 | | |
| b. Movable Properties : | | Profit on sale of : | |
| Furniture/Equipment etc. | 1,68,45,263 | (sale proceeds less Book Value) | |
| Vehicles | 8,07,378 | Investment | 19,52,784 |
| Library Books | 3,10,022 | Other Assets | 15,087 |
| Loss on Sale of / Written off Investment | 2,77,245 | | |
| Loss on Sale of / Written off Other Assets | 1,70,424 | | |
| Surplus Carried to Balance Sheet | 2,32,41,814 | Deficit Carried to Balance Sheet | - |
| TOTAL (Rs.) | 6,38,27,298 | TOTAL (Rs.) | 6,38,27,298 |

For Alpana Mondal & Co.
Chartered Accountants
Alpana Mondal
Membership No : 052673

Place : Narendrapur, Kolkata
Date : 1st Decemeber, 2020

(Swami Sarvalokananda)
Secretary

RAMAKRISHNA MISSION ASHRAMA, NARENDRAPUR
THE ABSTRACT STATEMENT OF RECEIPTS & PAYMENTS FOR THE YEAR ENDED 31ST MARCH, 2020

| REVENUE RECEIPTS | TOTAL (Rs.) | PARTICULARS | TOTAL (Rs.) |
|---|--------------|---|--------------|
| Donations (incl. Offering/Charity Box) | 1,88,62,453 | TOTAL (brought forward) | 36,16,47,711 |
| Donations in kind | 1,00,000 | Educational Expenses (contd.) : | 3,20,42,880 |
| Grants : Government | 84,91,46,348 | Training programmes | 52,19,363 |
| Grants : Public/Private/CSR Bodies | 4,53,59,400 | Examination & Laboratory Expenses | 17,403 |
| Fees & Charges | 7,92,60,105 | Others | 47,42,511 |
| Boarders' Fees & Charges | 7,62,03,698 | Cultural Expenses : | 43,69,087 |
| Interest/Dividend Received on : | - | Medical Expenses : | - |
| Government Securities | - | Hospital & Dispensaries | 6,54,676 |
| Bonds | 54,40,315 | Mobile Medical Units & Camps | 1,67,200 |
| Bank/Post Office Deposits | 1,84,64,018 | Others | 21,46,150 |
| Other Deposits | 1,45,98,555 | Primary Relief / Rehab. Expenses | 59,04,22,043 |
| Units of Unit Trust of India | - | Welfare Work (incl. Pecuniary Help) | - |
| Mutual Funds | 64,056 | Project exp. etc. (Community Welfare) | - |
| Sale of Religious Literature : | - | Publication/Purchases : Religious Books : | - |
| Inter-Branch | 3,21,735 | Inter Branch | 97,850 |
| External | 31,78,304 | External | 20,36,229 |
| Other Sale : | - | Purchase:Religious & Other Articles | 1,09,34,552 |
| Religious & Other Articles | 1,42,63,849 | Students'/Medical Stores etc. | 18,35,583 |
| Students'/Medical Stores etc. | 19,63,081 | Expenses on Trainees' Products/Services | 51,36,160 |
| Trainees' Products/Services | 98,62,092 | Exp. On Dairy,Poultry,Fishery etc. | 93,28,547 |
| Produce from Dairy,Poultry,Fishery etc. | 1,07,43,100 | Agricultural expenses/Sundries | 2,98,57,701 |
| Agricultural Produce | 4,00,34,237 | Exp. On Souvenir,Charity Show etc. | - |

| | | | |
|--|-----------------------|--|-----------------------|
| Sundries | 2,02,003 | Puja & Celebrations | 14,64,745 |
| Income from House/Other Properties | 66,72,427 | Boarding Expenses : Food & Fuel etc. | 6,22,35,885 |
| Income from Souvenir,Charity Show etc. | 9,524 | Repairs,Renewals & Maintenance : | 69,366 |
| Miscellaneous Income | 3,39,296 | Maintenance of Land | 54,95,932 |
| Receipts from : | - | Repairs to Buildings | 4,09,752 |
| Headquarters | 6,42,036 | Flower Gardening | 21,31,810 |
| Branches | 1,31,54,930 | Fuel & Repairs of Motor Vehicles | 4,17,369 |
| Donation - Foreign Contribution | 51,02,615 | Generators | 18,24,566 |
| Profit on sale of (Sale proceeds less Book Value) : | - | Computers/Software/Website | 3,65,442 |
| Investments | 19,52,784 | Petty Equipments/Utensils | 46,87,826 |
| Other Assets | 15,087 | General Repairs, Replacements | 46,62,270 |
| TOTAL (carried overleaf) | 1,21,59,56,048 | Printing & Stationery | 19,96,077 |
| REVENUE PAYMENTS | - | Postage & Telephone | 43,35,170 |
| Establishment Expenses : | - | Travelling & Transit | 10,29,522 |
| Salary & Wages | 31,66,37,453 | Audit Fees | 16,485 |
| Provident/Benefit Fund Contribution | 1,63,05,045 | Audit Expenses (Travelling etc.) | 8,64,160 |
| Gratuity Fund Contribution | 16,88,126 | Miscellaneous Expenses : | 1,59,600 |
| Workers' Expenses | 19,26,973 | Rent/Municipal Taxes | 64,750 |
| Bedding & Clothing | 8,57,987 | Insurance Charges | 11,37,788 |
| Electricity & Water Charges | 1,03,87,508 | Legal Expenses | 5,52,698 |
| Washing, Cleaning & Sanitation | 23,67,554 | Others (including Bank Charges, pl. Specify) | 25,25,627 |
| Others | 20,04,495 | Interest paid on Loans : HQ/Bank | 500 |
| Educational Expenses : | - | Payments to : Headquarters/Branches | 2,77,245 |
| Scholarship, Stipends & Aids | 67,18,502 | Yearly contribution to Headquarter | 1,70,424 |
| Sports, Prizes, Excursions etc. | 23,20,310 | Loss on Sale of/Written off : Investments | - |
| Library Expenses | 4,33,758 | Other Assets | - |
| TOTAL (carried over) | 36,16,47,711 | TOTAL (carried overleaf) | 1,15,75,50,655 |

RAMAKRISHNA MISSION ASHRAMA, NARENDRAPUR
THE ABSTRACT STATEMENT OF RECEIPTS & PAYMENTS FOR THE YEAR ENDED 31ST MARCH, 2020

Annual Report 2019-20

| CAPITAL RECEIPTS | TOTAL (Rs.) | CAPITAL PAYMENTS | TOTAL (Rs.) |
|---|-------------|---|-------------|
| Land & Building Fund : | - | Land (Purchase/Gift) | 2,75,974 |
| Donations/Gifts | 13,59,400 | Building (includes Construction/C-W-I-P/Gift) | 4,49,23,374 |
| Government/Public Bodies Grants | 1,62,43,651 | Boundary Wall | - |
| Income from Investments | 1,87,787 | Electrical Installation | 28,86,293 |
| Investment Withdrawn | 17,86,430 | Tube-well/Water System | 10,85,614 |
| Movable Properties Fund : | - | Furniture, Equipment | 3,46,58,738 |
| Donations/Gifts | 4,42,194 | Office Machinery | 8,378 |
| Government/Public Bodies Grants | 2,06,15,544 | Computers | 52,18,098 |
| Income from Investments | - | Electrical Equipment/Solar Plants/Generators | - |
| Investment Withdrawn | - | X-ray Plant, Accessories | - |
| Land & Buildings: Sold/Disc./Trans. (WDV) | - | Medical Equipment, Instrument | 3,47,360 |
| Movable Properties: Sold/Disc./Trans. (WDV) | 2,32,448 | Utensils/Utility Items | 1,43,407 |
| Endowment & Permanent Fund Donation | 79,78,876 | Bicycles/Cycle-rickshaws | 31,320 |
| Endt./Perm. Fund Invest. Withdrawn | 8,05,26,792 | Motor cars, Jeeps, etc. | 10,81,882 |
| Other Investments Withdrawn | 3,25,82,209 | Buses, Lorries, Medical Van, Ambulance, etc. | 30,13,895 |
| Development Fund : | - | Library Books | 7,55,182 |
| Donations/Grants | - | Purchase of Sundry Material (net of issued items) | -12,32,367 |
| Income from Investments | 33,56,772 | Endowment/Permanent Fund Investment | 9,37,16,922 |
| Investment Withdrawn | 1,53,02,987 | Land & Building Fund Investment | - |
| Provident/Benefit Fund : | - | Movable Properties Fund Investment | - |
| Contribution of Staff & Institution | 1,06,04,101 | Development Fund Investment | 1,45,84,205 |
| Income from Investments | - | Other Investments | 3,39,65,543 |
| Withdrawals-PF Trust/Investments | - | Provident/Benefit Fund : | - |
| Recovery of Loans | - | Remittances-PF Trust/Investments | - |

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| | | | |
|--|-----------------------|---|-----------------------|
| Gratuity Fund : | - | Loans | - |
| Contribution of Institution | - | Settlements | 1,06,04,101 |
| Income from Investments | 6,53,806 | Gratuity Fund : Remittances/Investments | 85,36,351 |
| Withdrawals-Gratuity Trust/Investments | 80,92,986 | Settlements | - |
| Sundry Deposits : | - | Sundry Deposits : | - |
| Caution Money | - | Caution Money | - |
| Students' Deposit | 10,00,43,888 | Students' Deposit | 9,88,11,021 |
| Others | 20,92,24,402 | Others | 20,95,49,922 |
| Loans & Advances : | - | Loans & Advances : | - |
| Banks/Headquarters | 36,03,897 | Banks/Headquarters | 10,00,000 |
| Others | 4,96,79,780 | Others (Schedule Enclosed) | 4,20,02,993 |
| Inter-Fund/Department Loans/Deposits | 28,67,02,318 | Inter-Fund/Department Loans/Deposits | 28,67,02,319 |
| Sundry Creditors | 4,05,52,649 | Sundry Creditors | 2,44,10,037 |
| Sundry Debtors | 3,76,42,032 | Sundry Debtors | 6,57,91,719 |
| Sundry Amount Receivable | 1,94,85,870 | Sundry Amount Receivable | 2,53,26,046 |
| Sundry Amount Payable | 36,58,09,383 | Sundry Amount Payable | 29,76,82,335 |
| Grants & Transfer (Contra) | 96,33,830 | Grants & Transfer (Contra) | 96,33,830 |
| Fund Transfer from HQ/Branch Centres | 1,49,89,360 | Fund Transfer to HQ/Branch Centres | - |
| Unadjusted Items | 2 | Donation to other Trust / Organisation | - |
| Total Revenue Account B/F | 1,21,59,56,048 | Total Revenue Account B/F | 1,15,75,50,655 |
| TOTAL | 2,55,32,89,442 | TOTAL | 2,47,30,65,147 |
| Opening Balance | 34,99,51,153 | Closing Balance | 43,01,75,448 |
| GRAND TOTAL | 2,90,32,40,595 | GRAND TOTAL | 2,90,32,40,595 |

For Alpana Mondal & Co.
Chartered Accountants
Alpana Mondal
Membership No : 052673

Place : Narendrapur, Kolkata
Date : 1st Decemeber, 2020

(Swami Sarvalokananda)
Secretary

AN APPEAL

As it can be understood from the narrations given in this booklet, this branch centre at Narendrapur renders humanitarian services voluntarily and with all humility in different fields like education, health, selfsustenance, self-employment, social awareness, protection of natural resources etc. etc. Notwithstanding the fund support from the Government for some specific areas of Service, most of the service activities are carried out with the help of the charity received from benevolent people as well as Corporates or Trusts from all over the country received throughout the year. Contributions from different Public sectors are also received through their respective corporate social responsibilities.

WE APPEAL to all generous people to continue helping us they have been doing since years together and also we do appeal to other to come forward with a helping hand towards the financially backward class of our society through different charitable activities rendered through this Ashrama. May Bhagawan Sri Ramakrishna bless you all is my earnest prayer.



Secretary

Donations are exempt from income tax under section 80G(5)(vi) of the Income Tax Act, 1961, vide order no. DIT(E)/848 dated 12.01.2009 which
8E/109/69-70

DIT(E)/2923 has been further extended in perpetuity by letter no. 8F109/69.70 dated 26.09.2011. Our income tax PAN is AAAAR1077P, from the Director of Income Tax (Exemption), Kolkata. Cheques & Demand Drafts may be issued in favour of "Ramakrishna Mission Ashrama, Narendrapur". Kindly intimate through email (rkmdp@gmail.com) or otherwise, after transfer of money through RTGS & NEFT. Or, by direct Bank transfer is also possible with intimation to the Secretary through the Bank Account, namely :

Bank A/c No. 910010044806108 (Axis Bank IFC code UTIB0001142)
Foreign currency: Bank details for inward remittance in Bank A/c
No. 50100174163801 (Swift code-HDFCINBBCAL, HDFC Bank)