

Ramakrishna Mission Vivekananda Centenary College

(Autonomous)

Rahara, North 24 Parganas, West Bengal : 700118



Affiliated to West Bengal University

College with Potential for Excellence

RUSA-funded Institution

DST-FIST Awarded College

Website : www.rkmvccrahara.org

Email : rkmvcccollege@rkmvccrahara.org

**Report on workshops/seminars conducted on Research
Methodology, Intellectual Property Rights (IPR), Entrepreneurship
and Skill Development during the year 2021-2022**



Sri. Karan
Principal

Ramakrishna Mission
Vivekananda Centenary College
Rahara, Kolkata-700 118

Date	Webinar	Speaker
13 th & 14 th July, 2021	National Webinar on The Philosophy of Education and Swami Vivekananda Sponsored by Indian Council of Social Science Research, New Delhi	<ul style="list-style-type: none"> • Swami Divyasudhananda, Principal, Ramakrishna Mission Vidyapith, Deoghar, Jharkhand • Swami Ekachittananda, Principal, Ramakrishna Mission Vidyamandira, Belur Math • Swami Narasimhananda, Secretary, Ramakrishna Mission Sevashrama, Kozhikode, Kerala • Prof. Bishnupada Nanda. Professor, Department of Education, Jadavpur University. • DrSaradindu Mukherjee, Member, ICHR, New Delhi • Prof. Kumar Ratnam, D.Litt., Member Secretary, ICHR, New Delhi

Participants teachers and scholars: 52

He discussed that Swami Vivekananda linked **morality with control of the mind, seeing truth, purity and unselfishness** as traits which strengthened it. He advised his followers to be holy, unselfish and to have shraddhā (faith). Vivekananda supported brahmacharya, believing it the source of his physical and mental stamina and eloquence. He also told that the main aim of education is to achieve extensive perfection already in man. Vivekananda opined that all material and spiritual knowledge is already present in man covered by curtain of ignorance.



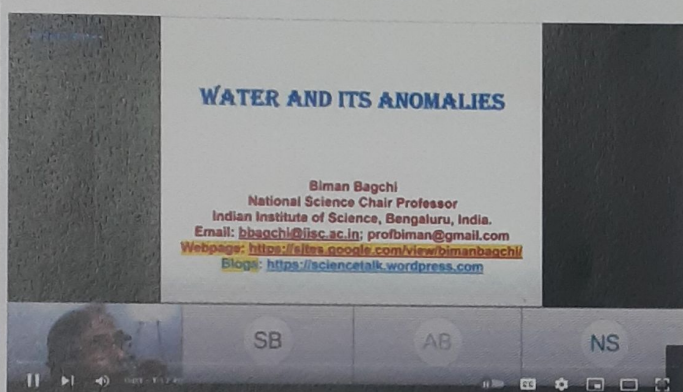
16 th July, 2021	Webinar on " Water, water everywhere Understanding how water plays important role in life and science " organized by Department of Chemistry, Ramakrishna Mission Vivekananda Centenary College, Rahara	Prof. Biman Bagchi , Distinguished Professor, Indian Institute of Science (IISc), Bangalore
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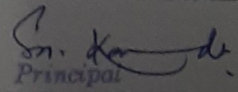
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Participants teachers and scholars: 67

He discussed about the importance of water in our life and science. He also told that Water helps improve the circulation of oxygen throughout the body. It also plays a crucial role in the digestion of food. Water is a very important component of saliva, which helps break down food. The excretion of waste in the human body requires water.

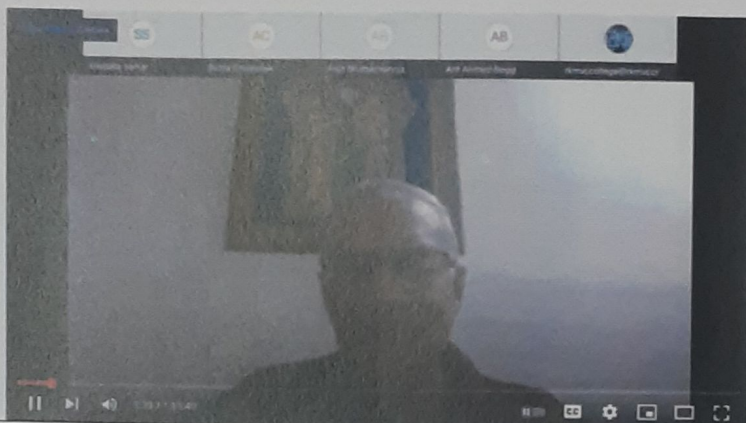


15 th September, 2021	<p>Induction Programme</p> <p>For the newly admitted UG student of Chemistry</p> <p>Topic: The status of Chemistry Research in India: From P. C. Ray to the present"</p> <p>organized by Department of Chemistry, Ramakrishna Mission Vivekananda Centenary College, Rahara</p>	<p>Professor Vadapalli Chandrasekhar,</p> <p>Centre Director, Tata Institute of Fundamental Research (TIFR) Hyderabad</p>
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Participants teachers and scholars: 87

He discussed about the present scenario of research in India and the different fields of research activity available in chemical sciences.



16th September,
2021

Induction Programme

For the newly admitted UG student of
Computer Science

**Topic: "An open interaction on the
perspective of Computing Technology".**

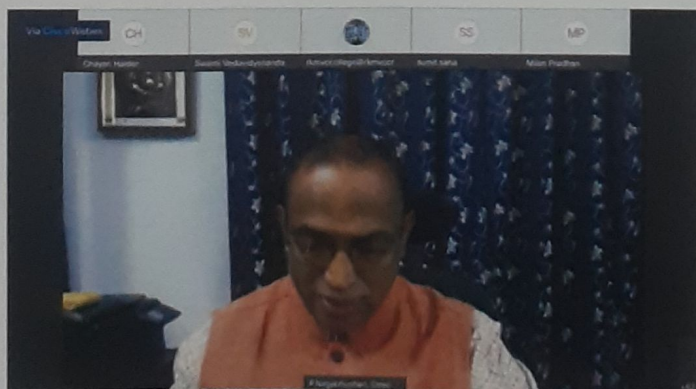
organized by Department of Computer
Science, Ramakrishna Mission
Vivekananda Centenary College, Rahara

Professor P. Nagabhushan

Director, Indian Institute of
Information Technology, Allahabad

Participants teachers and scholars: 57

He discussed about HCI (human-computer interaction), that is the study of how people interact with computers and to what extent computers are or are not developed for successful interaction with human beings. A significant number of major corporations and academic institutions now study HCI.



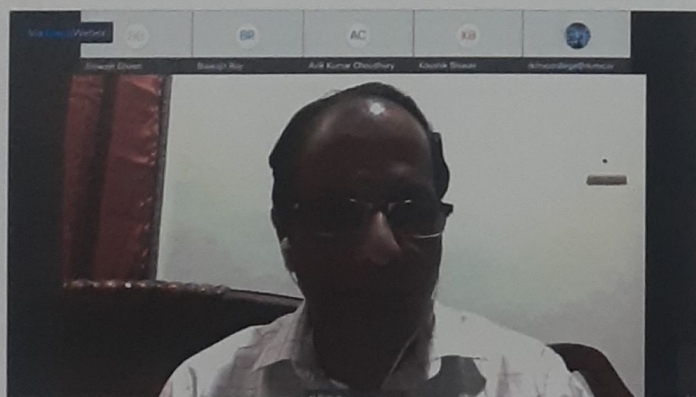
S. K. Das
Principal

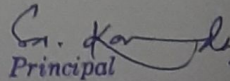
Ramakrishna Mission
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Rahara, Kolkata-700 118

17 th September, 2021	<p>Induction Programme</p> <p>For the student of Botany newly admitted UG</p> <p>Topic: 'Abiotic Stresses in Agriculture: Impacts and Management'</p> <p>organized by Department of Botany, Ramakrishna Mission Vivekananda Centenary College, Rahara</p>	<p>Dr. H. Pathak</p> <p>Director, ICAR-National Institute of Abiotic Stress Management (NIASM) Baramati, Pune,</p>
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Participants teachers and scholars: 56

He discussed about agriculture production and productivity that are vulnerable to abiotic stresses. These stresses emerge due to drought, temperature extremes (heat, cold chilling/ frost), radiation (UV, ionizing radiation), floods in addition to edaphic factors which include chemical (nutrient deficiencies, excess of soluble salts, salinity, alkalinity, low pH/acid sulfate conditions, high P and anion retention, calcareous or gypseous conditions, low redox, chemical contaminants geogenic and xenobiotic), physical (high susceptibility to erosion, steep slopes, shallow soils, surface crusting and sealing, low water-holding capacity, impeded drainage, low structural stability, root-restricting layer, high swell/shrink potential), and biological (low or high organic contents) components.

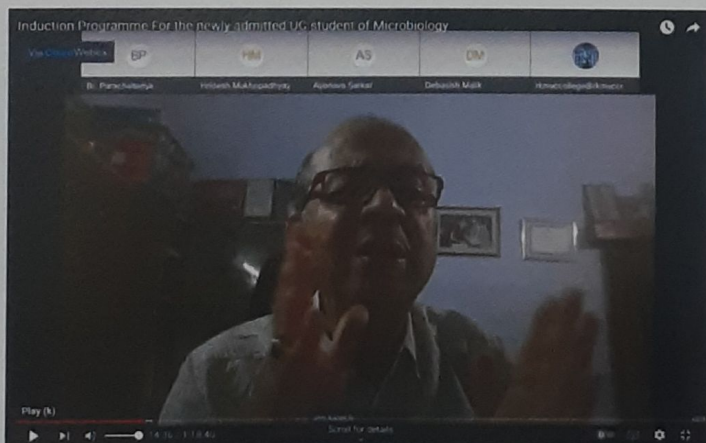



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18 th September, 2021	<p>Induction Programme</p> <p>For the newly admitted UG student of Microbiology</p> <p>Topic: " Opportunities in Microbiology and Life Sciences".</p> <p>organized by Department of Microbiology, Ramakrishna Mission Vivekananda Centenary College, Rahara</p>	<p>Professor V. M. Katoch</p> <p>Former Director General, Indian Council of Medical Research (ICMR)</p>
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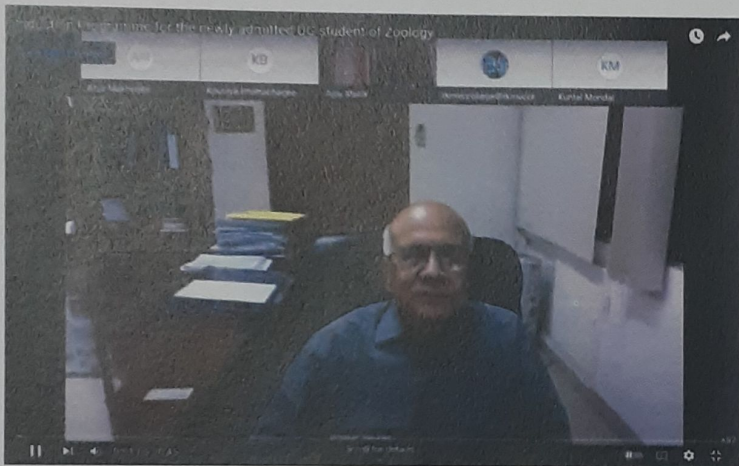
Participants teachers and scholars: 36

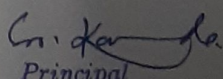
He discussed about the golden career opportunities in microbiological fields to the new admitted UG student of Microbiology. He also discussed that the Graduates with a Bachelor of Science (BS) degree in microbiology have opportunities for employment in government, hospitals, public health laboratories, research laboratories, and industrial laboratories (food, dairy, chemical, pharmaceutical, and genetic engineering companies). Students who continue beyond the BS have career opportunities in these same areas, with greater responsibilities and commensurately higher salaries, as well as in college and university teaching. He also told about the career options to the students so friendly like: Research laboratory technician, Quality control analyst, Clinical microbiologist or immunologist, Food or dairy microbiologist, Environmental microbiologist, Recombinant DNA technologist, Fermentation technologist, Research scientist etc.



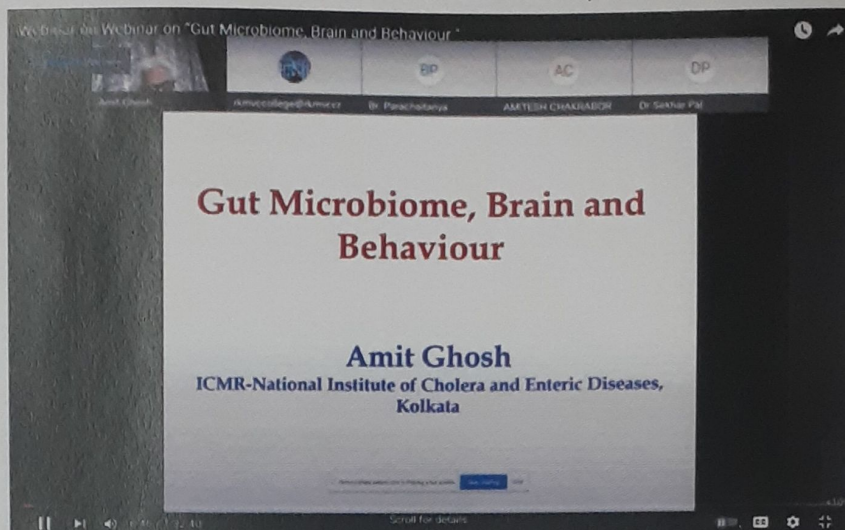
19 th September, 2021	<p>Induction Programme</p> <p>For the newly admitted UG student of Zoology</p>	<p>Dr D. M. Salunke</p> <p>Director, International Centre for Genetic Engineering & Biotechnology</p>
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Dr. D. M. Salunke
Principal
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	<p>Topic: 'Modern Science and Nation Building'</p> <p>organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara</p>	
<p>Participants teachers and scholars: 56</p> <p>He discussed Nation-building and defined it as the process through which the boundaries of the modern state and those of the national community become congruent. He also mentioned that the desired outcome is to achieve national integration.</p> 		
20 th September, 2021	<p>Webinar on</p> <p>"Gut Microbiome, Brain and Behaviour"</p> <p>Organized by Department of Microbiology, Ramakrishna Mission Vivekananda Centenary College, Rahara</p>	<p>Dr. Amit Ghosh,</p> <p>J.C.Bose Distinguished Professor, National Institute of Cholera and Enteric Diseases (NICED)</p> <p>Formerly Director, Institute of Microbial Technology, Chandigarh & School of Biological Sciences Indian Institute of Advanced Research, Gandhi Nagar, Gujarat</p>
<p>Participants teachers and scholars: 114</p>		


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He discussed the impact of microbiota on brain and behavior. He told that Dysfunction of the microbiome-brain-gut axis has been implicated in stress-related disorders such as depression, anxiety and irritable bowel syndrome and neurodevelopmental disorders such as autism.



22nd September, 2021

Induction Programme for the newly admitted UG student of Physics

Topic: A journey towards our nearest star the Sun

organized by Department of Physics,
Ramakrishna Mission Vivekananda
Centenary College, Rahara

Prof. Dipankar Banerjee,

Director, Aryabhata Research
Institute of Observational Sciences
(ARIES)

Participants teachers and scholars: 74

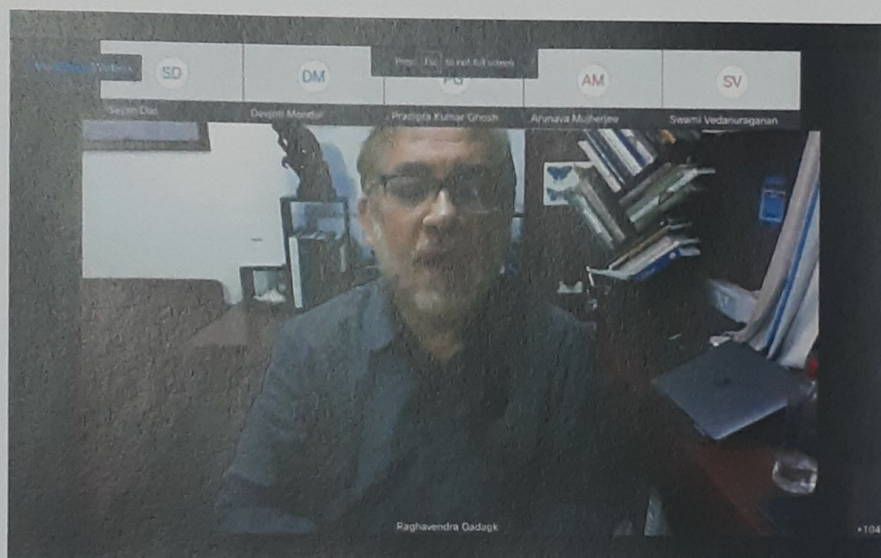


S. K. Banerjee
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24 th September, 2021	Webinar on “Science for All: To Do Cutting-Edge Research at Trifling Cost” organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara	Prof. Raghavendra Gadagkar , DST Chair Professor, Centre for Ecological Sciences, Indian Institute of Science (IISc) Bangalore
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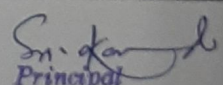
Participants teachers and scholars:109

He discussed about different techniques for cut off the huge cost of research work.



4 th October, 2021	Induction Programme for the newly admitted PG students of Chemistry Topic: Crystal Engineering of Solid-state Pharmaceuticals: From Synthons to Salt- Cocrystal Drugs organized by Department of Chemistry, Ramakrishna Mission Vivekananda Centenary College, Rahara	Prof. Ashwini Nangia , Professor of Chemistry, University of Hyderabad, Hyderabad, Former Director, CSIR National Chemical Laboratory, Pune
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Participants teachers and scholars: 67


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5th October,
2021

Induction Programme for the newly
admitted PG students of Zoology

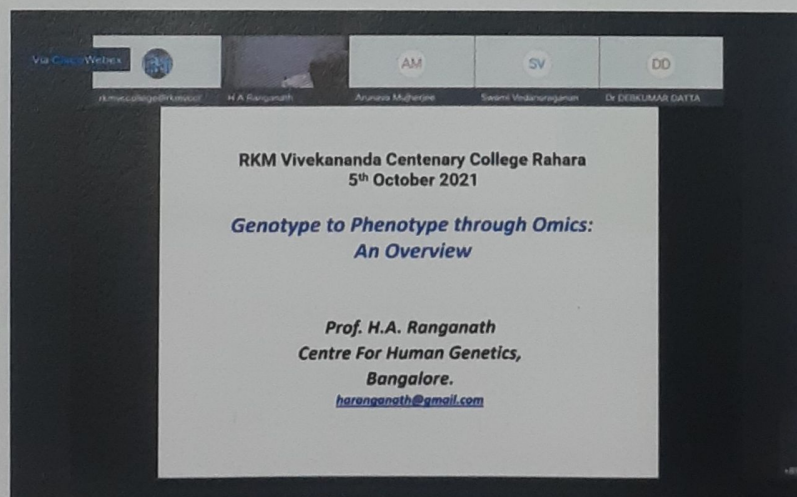
**Topic: Genotype to Phenotype
through Omics: An Overview.**
organized by Department of Zoology,
Ramakrishna Mission Vivekananda
Centenary College, Rahara

**Prof. Ranganath, Hassan
Annegowda**

Visiting Professor at Indian
Institute of Science, Bangalore;
Distinguished Professor for Life,
University of Mysore;
Formerly Director, National
Assessment and Accreditation
Council (NAAC); Former Vice
Chancellor, Bangalore University

Participants teachers and scholars: 94

He discussed about the procedure of calculating the human genotype and phenotypic ratio.



6th October,
2021

Webinar on IPR: Issues and Challenges
in Higher Education
Topic: **A Peep into IPR on Academic
Research: Role of Information
Professionals**

Dr. Saptarshi Ghosh, University
of North Bengal

S. K. de
Principal
Ramakrishna Mission
Vivekananda Centenary College
Rahara, Kolkata-700 118

Participants teachers and scholars: 56

He discussed about Intellectual property rights (IPR) that refers to the legal rights given to the inventor or creator to protect his invention or creation for a certain period of time. These legal rights confer an exclusive right to the inventor/creator or his assignee to fully utilize his invention/creation for a given period of time.

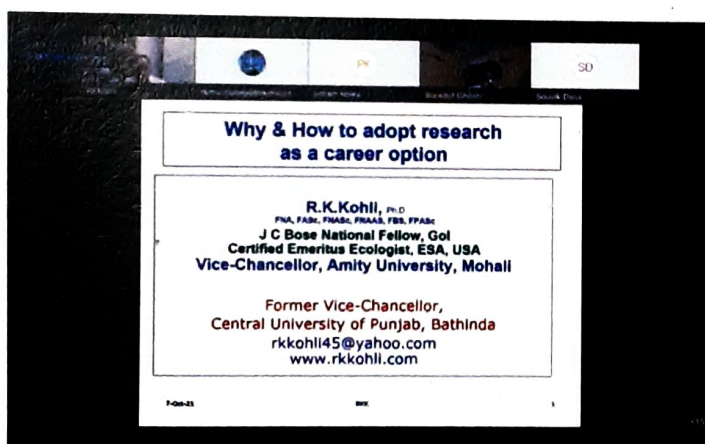
7th October,
2021

Induction Programme for the newly admitted PG students of Botany
Topic: Why and how to be a Plant Scientist?
organized by Department of Botany,
Ramakrishna Mission Vivekananda
Centenary College, Rahara

Prof. Ravinder K Kohli,
Vice-Chancellor, Amity University
Punjab
Former Vice-Chancellor, Central
university, Punjab
JC Bose National Fellow

Participants teachers and scholars: 30

He discussed that the minimum required qualification to establish a career as a botanist is a bachelor's degree in science. Moreover, if one wish to go for higher studies, then he would be required to specialise in one of the areas of botany. The levels of courses offered are bachelor's, master's and doctoral




8th October,
2021

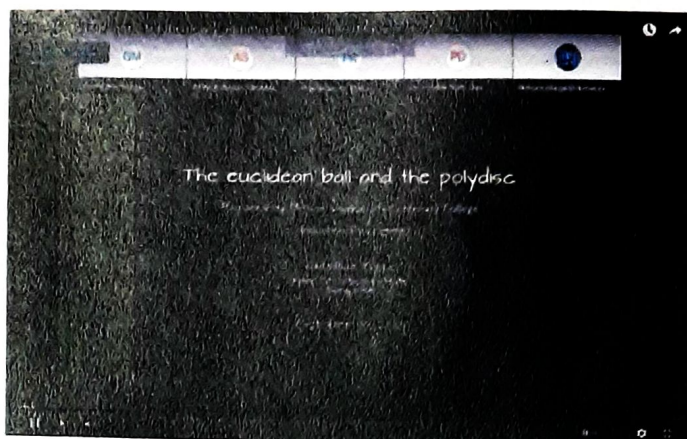
Induction Programme for the newly admitted PG students of Mathematics
Topic: The games that mathematicians play!
organized by Department of
Mathematics, Ramakrishna Mission
Vivekananda Centenary College,
Rahara

Prof. Gadadhar Misra
Professor, Department of
Mathematics (IISc.),
Former Chairman Department of
Mathematics, IISc, Bangalore
Vice President, Indian National
Science Academy


Participants teachers and scholars: 45

He discussed about the magical tricks of Mathematics.


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8th October, 2021	Opportunities and Scopes in Forest Services in India Orientations and Career Counseling for UG students of our college	Dr. Narayan Chandra Saha, Former Dy. Director, DVC, Forest
<p>Participants teachers and scholars: 67</p> <p>He discussed Opportunities and Scopes in Forest Services in India</p> <p>Orientations and Career Counseling for UG students. He told that forestry is an important and interesting subject of study.</p>		
9 th October, 2021	Webinar on Plagiarism in scholarly publication: What, Why and How?	Dr. Sibsankar Jana, Assistant Prof., University of Kalyani
<p>Participants teachers and scholars: 40</p> <p>He discussed about to Attempt to use the ideas, words, or work done earlier by another person, without giving them due credit, is considered extremely unethical and is termed plagiarism. The author does not give due credit to previous work done in the field but instead presents the previous work as his or her own idea.</p>		


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26th October,
2021

DBT STAR COLLEGE Programme organized by the Department of Zoology
The story of how life could have originated on Earth
organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara

Dr. Sudha Rajamani,
Indian Institute of Science Education and Research (IISER), Pune

Participants teachers and scholars: 105

She discussed about the origin of life and the early environment of earth.



8th November
2021 to 15th
November
2021

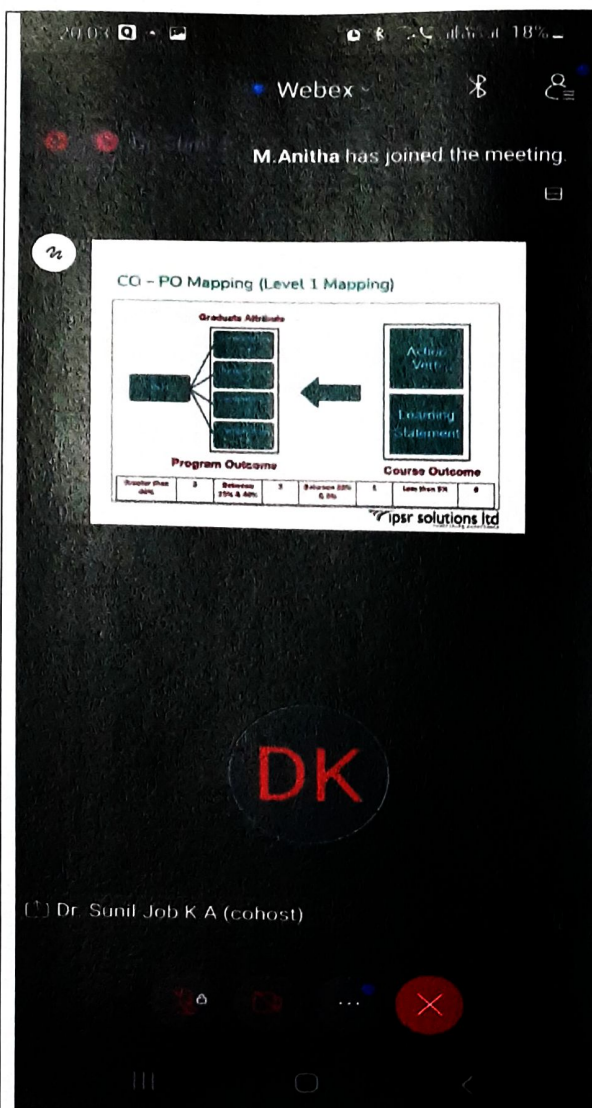
National level Intercollegiate Online Faculty Development Program on **Outcome Based Education & Bloom's Taxonomy**
Organized by Internal Quality Assurance Cell (IQAC) Ramakrishna Mission Vivekananda Centenary College, Rahara in association with IPSR solutions limited, Kottayam.

Participants teachers and scholars: 1200

This FDP thoroughly discussed the Bloom's Taxonomy, CO, PO and PSOs of the course, its Mapping, Mapping strength calculation, outcome calculation, etc.

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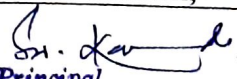


21 st November 2021	DBT Star College Program Workshop On Sampling, Isolation, Preservation & Identification Of Soil Microarthropods organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara	Dr. Guru Pada Mandal Scientist E Zoological Survey of India
Participants teachers and scholars: 54 He discussed about the sampling process, isolation identification techniques of soil microarthropodes and also highlighted about its preservation techniques.		
28 th December, 2021	Sri Ramakrishna Endowment Lecture Instituted by Prof. Projit Kumar Palit, Professor, Department of History,	Revered Swami Suparnanandaji Maharaj , Secretary, The Ramakrishna Mission Institute of Culture, Golpark

Dr. K. K. D.
Principal

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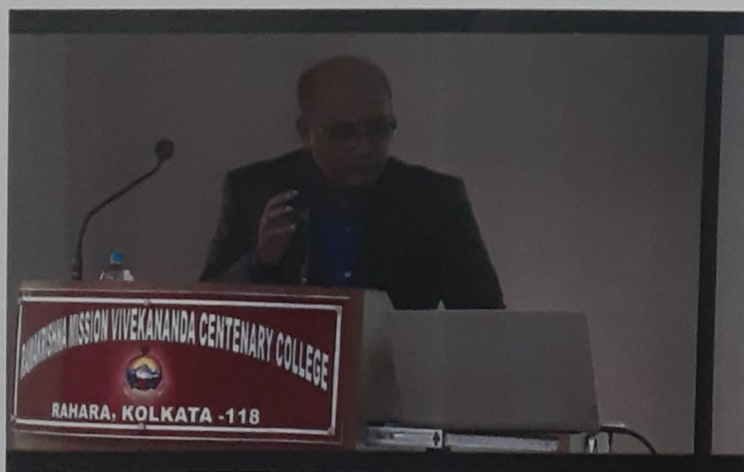
	Assam university, Silchar	
	Topic: Swami Vivekananda's Practical Vedanta	
<p>Participants teachers and scholars: 65</p> <p>He discussed that the Vedanta teaches men the skill of success livelihood and to have faith in themselves for the possession of the divinity. It is essential teaching according to Swami Vivekananda's words, is that "Each soul is potentially divine. The goal is to manifest this divinity within by controlling nature: external and internal.</p>		
27 th & 28 th December, 2021	<p>National Level Seminar On "Planetary Crisis and Human Liberation" Sponsored by Indian Council of Philosophical Research</p>	<p>Prof. Sankar Kumar Ghosh, Former Vice Chancellor, Kalyani University, Professor, Department of Biotechnology, Assam University, Silchar</p> <p>Prof. Projit Kumar Palit, Professor, Department of History, Assam university, Silchar</p> <p>Prof. Anil Kumar Sarkar, Professor of History, University of Kalyani, West Bengal</p> <p>Prof Subhabrata Dutta, Professor , Department of Social Work, Assam University, Silchar</p> <p>Prof. Sirajul Islam, Professor and Former Head Dept. of Philosophy and Religion, Visva- Bharati University, Santiniketan</p> <p>Professor Kanti Lal Das, Department of Philosophy, North Bengal University, West-Bengal</p> <p>Professor Bhupendra Chandra Das, Head, Department of Philosophy, Vidyasagar University</p> <p>Prof. Amal Kumar Harh, Professor, Department of Philosophy, Cooch Behar PanchananBarma University, Cooch Behar.</p> <p>Dr. Akhil Sarkar, Assistant Professor, Nabadwip Vidyasagar College, Nadia, West Bengal</p> <p>Dr. Santanu Dey, Associate Professor, Department of History, Ramakrishna Mission Vidyamandira, Belur Math.</p> <p>Prof Rajkumar Modak,</p>

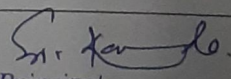

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		<p>Department of Philosophy, Sidho-Kanho-Birsha University, Purulia, West Bengal</p> <p>Dr. Kuheli Biswas, Assistant Professor, Department of Philosophy University of Kalyani,</p> <p>Dr. Lily Biswas, Department of Philosophy, University of Kalyani</p> <p>Prof. Saswati Mutsuddy, Former Head, Department of Pali, University of Calcutta</p> <p>Dr. Mrinalkanti Chattoopadhyay, Principal, Kandra Radhakanta Kundu Mahavidyalaya, West Bengal</p> <p>Dr. Buddhadev Bhattacharya, Assistant Professor, Dept. of Philosophy, Nava Nalanda Mahavihara, (Deemed University), Ministry of Culture, Govt. of India, Nalanda, Bihar.</p> <p>Prof. Samar Kumar Mondal, Professor, Department of Philosophy, Jadavpur University</p> <p>Dr. Prasanta Sarkar, Assistant Professor Department: Philosophy, University of Burdwan</p> <p>Swami Vedanuragananda, Controller of Examinations, RKMVCC</p>
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Participants teachers and scholars: 68

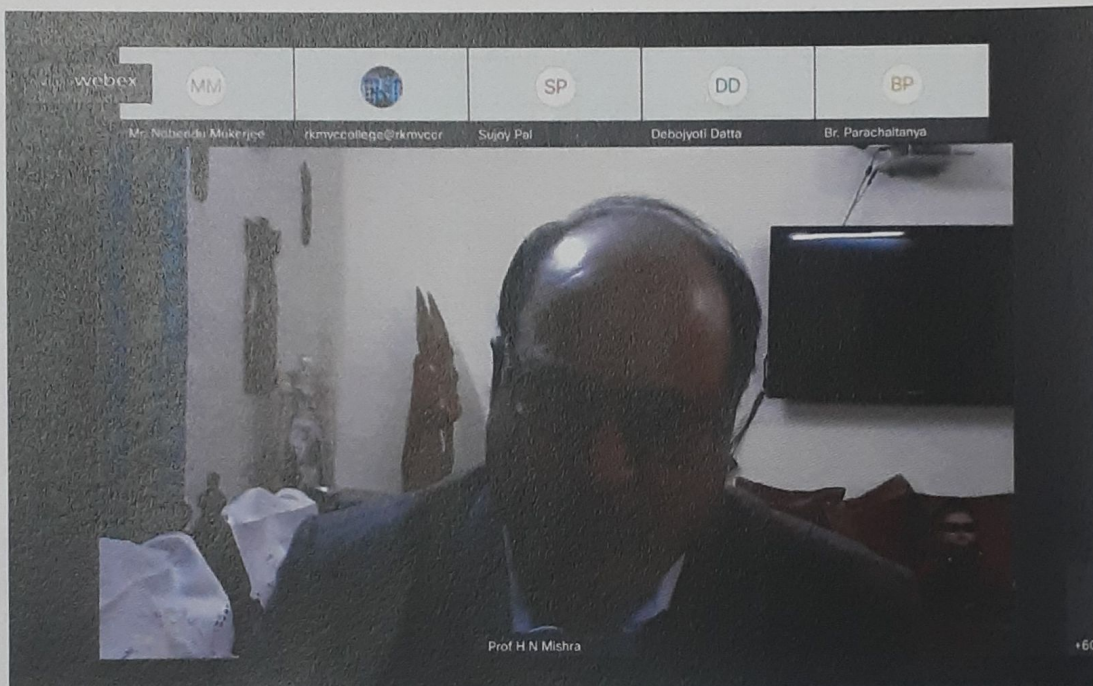



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30 th December, 2021	Webinar on “Food Technology for a Better Tomorrow” organised by Department of Microbiology, Ramakrishna Mission Vivekananda Centenary College, Rahara	Prof. Hari Niwas Mishra , Dept. of Agricultural and Food Engineering, IIT Kharagpur
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Participants teachers and scholars: 65

He discussed about the future of food technology. He also elaborated Food science and technology that are used to make foods more nutritious and better tasting, especially the convenient ready-made meals that play a large role in people's busy modern lives. For example, milder production processes, that use high pressure or steam, better preserve the taste and nutrients in food.

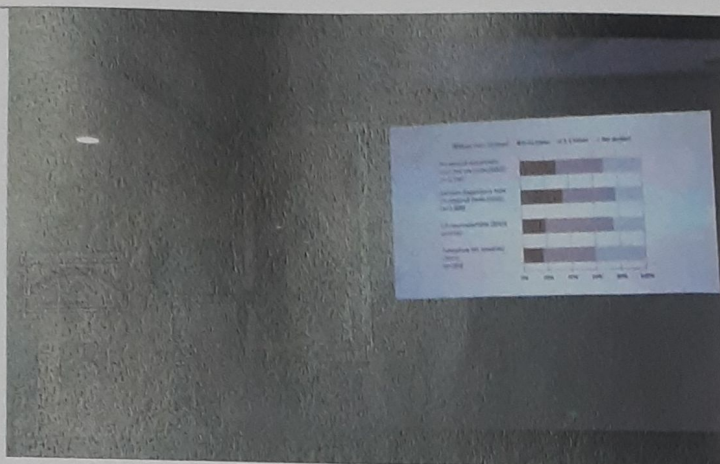


12 th February, 2022	One Day Seminar under DBT STAR College Scheme on “The Art of Science Communication” Organised by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara	Dr. Manas Pratim Das , Programme Executive, All India Radio, Kolkata
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Participants teachers and scholars: 45

He told that The Art of Science Communication is an online course that provides fundamental training in science communication, focusing on how to present science to a nonexpert audience in a formal setting, such as a public lecture.

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12th March,
2022

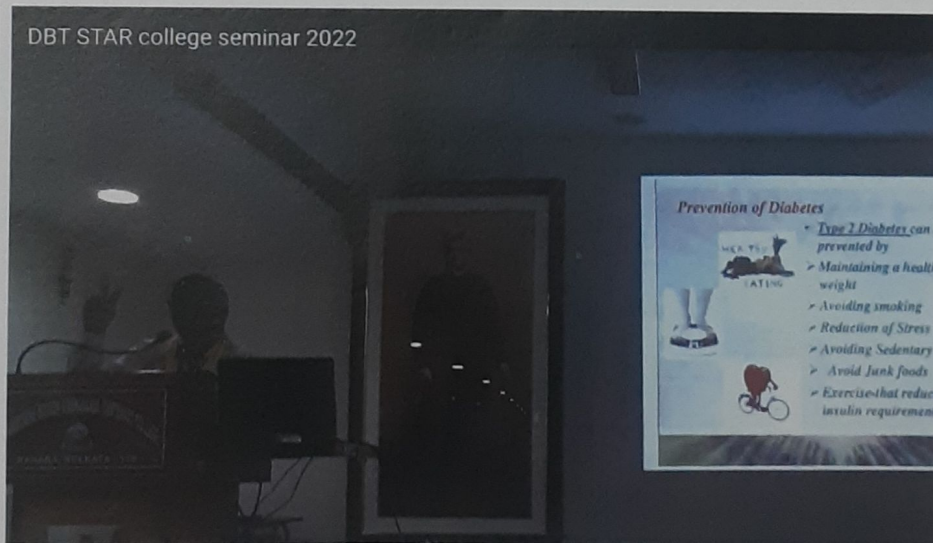
One day DBT STAR career Orientation **Program in collaboration with Current affairs review** organized by Dept. of Mathematics, Ramakrishna Mission Vivekananda Centenary College, Rahara

Sri Amit Kumar Bose, Eminent person in Civil Service Coaching

Participants teachers and scholars: 87

He discussed about the current affairs and different techniques for preparation of civil service exam

DBT STAR college seminar 2022



12th March
2021

One Day DBT STAR seminar on - **Life style modification & health promotion program for students: prevention, counseling & wellbeing.** Organized by Dept. of Botany, Ramakrishna Mission Vivekananda Centenary College, Rahara

Dr. Biswajit Das, Chief Medical officer, Coal India Limited, Govt. of India.

Sri. Kan. Das
Principal

Ramakrishna Mission
Vivekananda Centenary College
Rahara, Kolkata-700 118

Participants teachers and scholars: 92

15th March &
16th March,
2022

National Level Workshop on –
**“Herbarium Methodology and plant
Nomenclature.”** Organized by Dept. of
Botany, RKMVCC, Rahara In
collaboration with Central national
Herbarium (CNH), ENVIS resource
partner on Biodiversity (Flor),
Botanical Survey of India (MoEF &
CC) Organised by Dept. of Botany,
Ramakrishna Mission Vivekananda
Centenary College, Rahara

Dr. K. Karthigeyan, Scientist-E,
CNH, BSI

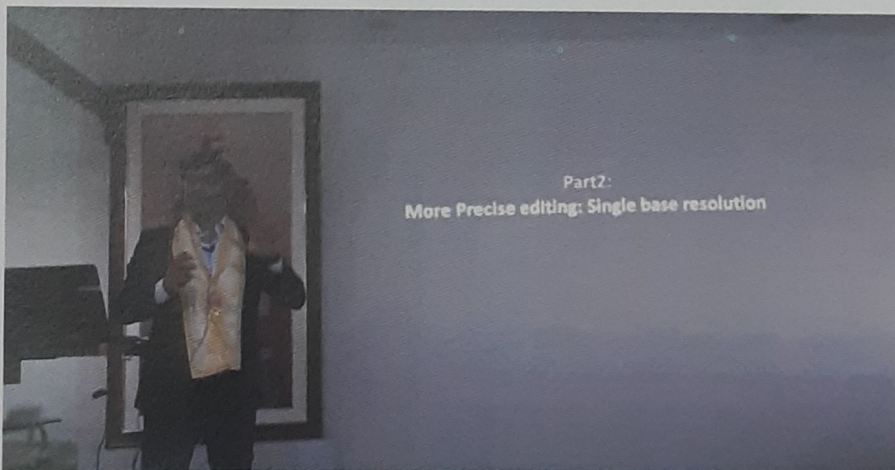
Participants teachers and scholars: 53

21st March,
2022

Seminar on – **ABC of Genome
Editing.**
Organised by Dept. of Botany,
Ramakrishna Mission Vivekananda
Centenary College, Rahara

Dr. Kutubuddin Ali Molla,
Scientist, Crop Improvement
Division, ICAR National Rice
Research institution, Cuttack.

Participants teachers and scholars: 43



22nd March,
2022

One day international Seminar on-
**Regulatory mechanism of
eukaryotic gene expression and
genome integrity with implication in
disease pathogenesis and
therapeutic development**
Organized by Dept. of Chemistry,
RKMVCC, Rahara

Prof. Suresh Ranjan Bhoumik,
Prof., Dept. of Biochemistry and
Molecular Biology, Southern
Illinois University School of
Medicine.

S. K. Molla
Principal

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Participants teachers and scholars: 37



27th March,
2022

One day international Seminar on-
NMR in Life and Science.
Organised by Dept. of Chemistry,
RKMVCC, Rahara

Prof. Tapas Mal, Prof., Dept. of
Chemistry , NMR Director, The
Pennsylvania State University

Participants teachers and scholars: 42

He discussed that NMR spectroscopy is the use of NMR phenomena to study the physical, chemical, and biological properties of matter. Chemists use it to determine molecular identity and structure. Medical practitioners employ magnetic resonance imaging (MRI), a multidimensional NMR imaging technique, for diagnostic purposes.



Sat. K. Sengupta
Principal
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