



**RAMAKRISHNA MISSION  
VIVEKANANDA CENTENARY COLLEGE**  
Bahara, Kolkata 700 118



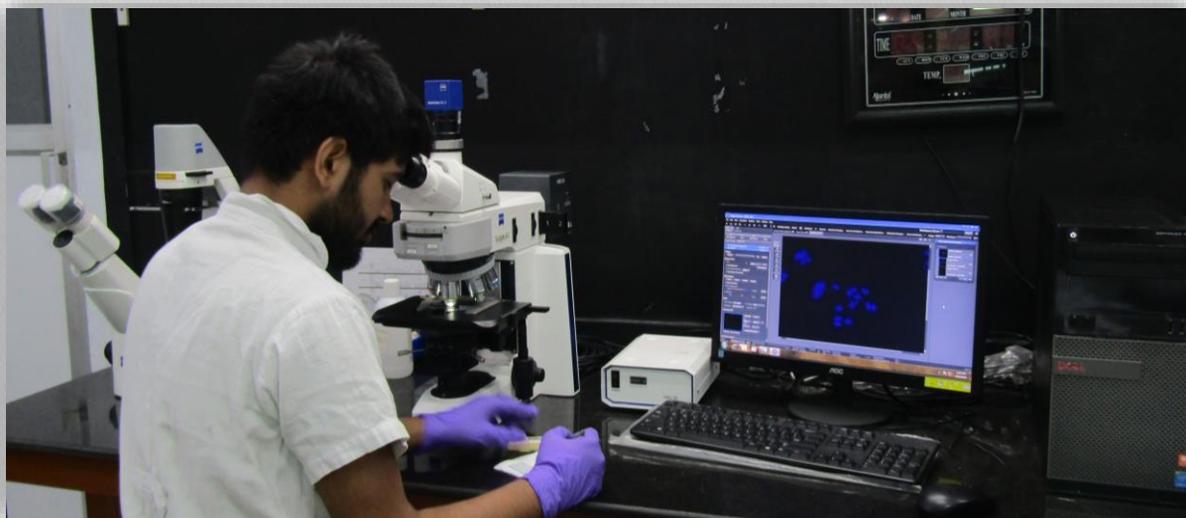
# Prospectus 2024

- ❖ Accredited by NAAC with Grade A++.
- ❖ College with Potential for Excellence (CPE).
- ❖ WBDST-FIST Award college
- ❖ DST-FIST Award college 2 times
- ❖ INSTITUTIONAL MEMBER of APQN
- ❖ BOOST-II Award by West Bengal DBT
- ❖ DBT-STAR College by DBT India
- ❖ Swami Vivekananda Centre for Multidisciplinary Research in Basic Sciences and Social Sciences
- ❖ Autonomous College
- ❖ Recognition of SIROs by Ministry of Science and Technology, New Delhi



## History:

- The Ramakrishna Mission Boys' Home at Rahara, a branch centre of the Ramakrishna Mission, was founded in 1944 as an orphanage with a nucleus of 37 boys rendered orphan by the Great Bengal Famine of 1942-1943. Since then the Home grew in dimensions and activities adhering to the principle of serve to mankind in the spirit of worship. Today, the Home is an educational complex with several schools and colleges wherein nearly four thousand students are receiving education and training in different subjects and trades according to the aptitude of each individual.
- This College which forms an integral part and unit of this educational complex is owned and managed by the Ramakrishna Mission. The foundation stone of the College was laid by Swami Vireswaranandaji Maharaj, the then General Secretary of the Ramakrishna Mission, on 3<sup>rd</sup> December, 1961 and the College started functional in July, 1963.
- The College was established with a view to commemorating the First Birth Centenary of Swami Vivekananda, the Illustration Patriot-Saint of India and with a view to imparting a general education on a religious background in the light of the teachings of Ramakrishna - Vivekananda so that the young pupils may get ample opportunities to build up their character to make themselves useful to their families and to fulfil at the same time their basic obligation to the country. The college was established and is being maintained and administered by the Ramakrishna Mission.
- There is no provision for hostel accommodation.



## Course of Studies:

- The college has arrangements for teaching Honours in Physical Sciences and Biological Sciences only. There is provision for 4 years Honours Degree Course, in this college the classes being held from 10-30\* a.m. (see Note)
- The college has also arrangements for teaching Post-Graduate Course in Chemistry, Physics, Botany, Zoology, Microbiology and Mathematics.
- The college is also providing UGC Recognized Certificate Courses for degree students.
- Note: \*Some classes may be held before 10 -30 a.m. & students seeking admission should be prepared to adjust themselves with the routine. Similarly the students of PG should also be prepared to adjust if required. In case of Computer Courses such adjustment is very essential.





## Autonomous System & Semester

- **Semester:** Each semester will consist of 15-18 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from July to December and even semester from January to June.
- **Credit Point:** It is the product of grade point and number of credits for a course.
- **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
- **Grade Point:** It is a numerical weight allotted to each letter grade on a 10 -point scale.
- **Semester Grade Point Average (SGPA):** It is a measure of performance of work done in a semester. It is ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
- **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
- **Grade Point:** It is a numerical weight allotted to each letter grade on a 10- point scale.
- **Letter Grade:** It is an index of the performance of students in a said course. Grades are denoted by letters O, A+, A, B+, B, C, P and F.

# Outlines of Academic System:

- **Major Course (18 for Major courses) :** Also the course designed for papers under this category aim to cover the basics that a student is expected to imbibe in that particular discipline. A course, which should compulsorily be studied by a candidate as a major requirement is termed as a Major course.

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- **Elective Course:** Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.
- **Discipline Specific Elective (DSE) Course (4 for honours courses):** Elective courses offered under the main discipline/subject of study is referred to as Discipline Specific Elective.
- **Minor Course (6 for honours courses) :** A Minor course chosen from an unrelated discipline/subject, with an intention to seek exposure beyond discipline/s of choice is called Minor course.
- **Ability Enhancement Courses (AEC):** The Ability Enhancement (AE) Courses may be of two kinds: Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC).
- **Multidisciplinary Courses (MD):** Multi-disciplinary minors look at a specific topic from the viewpoints of different disciplines. Exploring a particular topic across various disciplinary boundaries helps broaden the intellectual horizon and equips with the ability to look at an issue from multiple standpoints.
- An undergraduate degree with Honours in a discipline may be awarded if a student completes 18 major papers in that discipline , 2 Ability Enhancement Compulsory Courses (AECC), minimum 2 Skill Enhancement Courses (SEC), 2 Value added course (VAC), 2 Multidisciplinary Courses and different papers each from a list of Discipline Specific Elective and Minor papers.



## Subjects Offered & Eligibility for Admission

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### B.Sc. Honours

- **Physics (Hons.)**
- **Chemistry (Hons.)**
- **Mathematics (Hons.)**
- **Botany (Hons.)**
- **Zoology (Hons.)**
- **Microbiology (Hons.)**
- **Computer Science (Hons.)**

Students who have passed the Higher Secondary (10+2) or an equivalent examination are eligible for admission to the Degree Course provided, they have passed in five subjects and in each subject of the combination of subjects chosen for study.



## M. Sc. Course in Chemistry

- Post Graduate Course in Chemistry has been started in the college with spacious class-rooms and well-equipped laboratories furnished by modern sophisticated instruments. In college library, there is a separate facility meant for PG students and faculty members with rich collection of Books and Journals. Modern teaching aids like DLP Projectors, Laptops, etc. are used in PG classes. With sophisticated computer laboratory easy and unlimited access to internet is always available.
- Since 1995, the motto of our Chemistry Department has been two- fold, namely, exposure of students to advanced research techniques and thought-provoking seminar activities by the students. The department is actively engaged in UGC, CSIR and DBT funded research projects leading to more than 50 publications in reputed National and International Journals.
- A large number of Professors from Calcutta University, Jadavpur University, West Bengal University of Technology and Indian Association for Cultivation of Sciences have shown their keen interest in helping the development of our PG Department. Highly reputed teachers like Professor G.N. Mukherjee, Debsankar Roy, Rupendranath Banerjee, Chittaranjan Sinha, Raja Banerjee, J.P. Naskar, D. Ghosh, Souvik Chatterjee, etc. have agreed to participate in the academic upliftment of our P.G. Department.

## Ph.D Course in Chemistry

- Our Chemistry department has done their research activity for last nineteen (19) years. The university of Calcutta has recommended Dr. C.K. Bandyopadhyay and Dr. Tapas Ghosh, faculty member of our college, for acting as guide in conducting Ph.D works. Four (4) students has got Ph.D degrees under University of Calcutta and their entire research work was carried out in our college.



### **M.Sc. Course in Botany**

- Post Graduate Course in Botany has been started in the college with spacious class rooms equipped with well-equipped laboratories furnished by modern sophisticated instruments like HPTLC, PCR, Gel Doc system, Laminar Air Flow, Digital Microscopes (Leica), DNA Bank, Ultra Centrifuge (Beckman), etc. In college library, there is a separate facility meant for PG students and faculty members with rich collection of Books and Journals. All PG class rooms are equipped with modern teaching aids like Projectors, Laptops etc. Smart class room for user-friendly e-classroom is the unique feature of the teaching-learning process of the college. With sophisticated computer laboratory easy and unlimited access to internet is always available.
- The department is actively engaged in UGC,CSIR and DBT funded research projects.
- A large number of professors from Calcutta University, Kalyani University, Burdwan University and Indian Institute of Chemical Biology have shown their keen interest in helping the development of our PG Department. Eminent teachers like Professor Satyesh Roy, Ambarish Mukherjee, T.B. Jha, Manas Ranjan Majumdar, Arun Bnerjee etc. Enrich the students with their wisdom and academic experience.

### **Ph.D Course in Botany**

- Our Botany department is doing research for more than ten(10) years. Dr. S.K. Ghosh and Dr. B. Ghosh of the department are conducting Ph.D. research work as a guide in UGC,CSIR, AYUSH and DBT funded research projects. It has up-to-date Tissue-culture and Mycology laboratories where Ph.D. students are doing their research works. Post-Doctoral research work is also going on this department.

### **M.Sc. Course in Mathematics and Computing**

- The College introduced the Post Graduate Course in Mathematics and computing from the academic session 2018-19.

### **Ph.D. Course in Mathematics**

- The Department of Mathematics has also initiated a Ph.D. course from 2018-19.

### **M.Sc. Course in Zoology**

- The College introduced the Post Graduate Course in Zoology from the academic session 2020-21.

### **Ph.D. Course in Zoology**

- The Department of Zoology has also initiated a Ph.D. course from 2021-22.
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### **M Sc. Course in Physics**

- The College introduced the Post Graduate Course in Physics from the academic session 2022-23.

### **M Sc. Course in Microbiology**

- The College introduced the Post Graduate Course in Microbiology from the academic session 2024.

### **M Sc. Course in Computer Science**

- The College introduced the Post Graduate Course in Computer Science from the academic session 2024.

## **Skill Enhancement Course in Value Education & Indian Culture**

The college offers a Skill Enhancement Course in Value Education & Indian Culture. This Course is designed in a way to facilitate all-round development of the students. An attempt is made to enlighten the student regarding the science of inner wellbeing and the art of outer effectiveness. The college has published a text book named 'Jivan Sopan' for conducting the Skill Enhancement Course in well-structured way.

## UGC Recognized Certificate Course

The College has introduced two UGC Recognized certificate courses for the students pursuing degree course in our college.

The students after admission in the First Year degree course will be eligible to join the certificate course. The students can pursue the degree course and the add-on certificate course simultaneously. At present the following eight Certificate Courses are provided to the Undergraduate students apart from the above two.

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| Sl. No. | Course Name  |
|---------|--|
| 1.      | Mushroom Cultivation and Management                              |
| 2.      | Sports Medicine and Talent Identification                        |
| 3.      | Environmental Protection / Management                            |
| 4.      | Water Management   |
| 5.      | Web Designing for Beginners                                      |
| 6.      | Techniques in Robotics & IOT                                     |
| 7.      | Diseases associated with life-style changes: Some basic concepts |



## Swami Vivekananda Centre for Multidisciplinary Research in Basic Sciences and Social Sciences

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The college has established the “Swami Vivekananda Centre for Multidisciplinary Research in Basic Science and Social Science” from the academic session 2015-2016. This has been approved by the West Bengal State University vide letter No. WBSU/Reg/Permission/ Letter/970/14-15 dated 20-03-2015. The establishment of the Research Centre has also been appreciated by UGC. The Research Centre has started its functioning from the current academic session with Ph.D. RET examination, Viva-voce, etc.





### **Post Graduate Diploma Course:**

A Post Graduate Diploma course in Agriculture Biotechnology on “Quality Assurance Testing of Tissue Culture Raised Plants” was introduced in 2018-19 session. This is a Skill Development Programme sponsored by Department of Biotechnology (DBT), Govt. of India. This one-year diploma course is certified by Life Sciences Sector Skill Development Council (LSSSDC), Ministry of Skill Development and Entrepreneurship, Govt. of India.





## Infrastructural Facilities

- To run any science laboratory two main essential components required are: continuous water and un-interrupted clean electric power supply.
- There are two deep tube- wells to take care of round the clock continuous water supply in the college campus.
- The college has three generators, which are connected with AMF (Auto main Failure) panels, so that they can start or shut down themselves automatically without any human intervention as and when main supply is disrupted.
- Facilities generated by the college for the purpose of higher education:
- ICT enabled classrooms in every Department equipped with multimedia projectors for state of the art presentation system.
- One Classroom with smart board and facilities for distance-mode e-classes in collaboration with Ramakrishna Mission Vivekananda University, Belur Math.
- The electric power supply of the college is stabilized through 325KVA Transformer
- 25KVA Green power supply through a big battery-bank.
- Photocopy (Xerox) scanning facility available for preparation and dissemination of study materials and questions papers. Scanners of high quality like the Book Eye Scanners for creating pdf of teaching materials cum study materials, Eye Ball Scanners, Document scanners are present for various academic purposes.





- Two 200-seater, centrally Air-conditioned Seminar Halls - Swami Vivekananda Hall & Sri Ma Sarada Devi Hall equipped with the modern audio-visual system is used for seminars, workshops, invited lectures etc.
- A 1200-seater, centrally Air-conditioned Seminar Hall- Sri Ramakrishna Hall equipped with the modern audio-visual system is used for seminars, workshops, invited lectures etc.
- Swami Brahmananda Hall is a Yoga cum Physical training centre where 1000 students can perform Yoga at a time.
- One well equipped language lab. for language study of the student.
- One Air-conditioned Conference room important academic meetings and discussion amongst the faculty members.
- A rich resource of chemicals, samples and instruments along with a tidy, high class lab ambience comprising of granite-top working spaces, proper exhaust system, fume chambers, continuous water supply etc. Makes the lab facilities a matter of pride for the college.
- Broadband connectivity with wi-fi system ensures uninterrupted internet facility.
- Completely computerized catalogue in the library.
- RFID gate for auto monitoring entry and exit of the library.
- RFID card for attendance and issue –return of the book .
- A 88 KW Grid-connected Solar power generation unit for promoting the use of non-conventional energy resources and for minimizing the electric consumption of the college
- A Poly House for Botanical research.
- A Shade Net House for temperature and light intensity-controlled plant growth.
- A Mushroom Cultivation Unit for Certificate Course with a museum displaying various types of mushrooms.



### **College Canteen:**

- The College Canteen provides healthy snacks and lunch to the students and staff members in a hygienic environment. It also arranges for Free Tiffin Scheme and concessional Lunch Scheme of the College. Apart from regular features, the canteen also arranges lunch or special snacks and dinner for National and International seminars and conferences held in the College.



### **Sister Nivedita Multigym:**

- The Multigym of the College was inaugurated in 2016 by the Hon'ble Consul General of Ireland, Mr Brian McElduff. It is equipped with all sorts of modern fitness equipment for overall physical exercise. The students and staff members use it regularly with full enthusiasm. A trainer is also engaged for consultation. The college focuses on all round development of the personality including the physical, intellectual and humane aspects.

# Seminars and Workshops

## 2023 – 24 Session

| Sl no. | Date            | Seminar & Workshop  | Speakers   |
|--------|-----------------|---|--|
| 1.     | 17th July, 2023 | Special Awareness Programme in collaboration with Vigyan Prasar “Science is...Logical...Fun...Exciting...Useful”                            | <b>Dr. Partha P. Majumder</b> , National Science Chair, Govt. of India   |
| 2.     | 18th July, 2023 | A special lecture on Mathematical Biology organized by Department of Mathematics on “Biomathematics: Studying Biology’ through Mathematics” | <b>Dr. Samrat Chatterjee</b> , Associate Professor Complex Analysis Group Translational Health Science And Technology Institute, Faridabad |
| 3.     | 24th July, 2023 | Induction Programme for the newly admitted UG students of Zoology   | <b>Prof. Krishanu Ray</b> , Director, National Brain Research Centre (NBRC)  |
| 4.     | 25th July, 2023 | Induction Programme for the newly admitted UG students of Computer Science  | <b>Prof. Santanu Chattopadhyay</b> , Director, Indian Institute of Information Technology, Kalyani   |
| 5.     | 25th July, 2023 | Induction Programme For the newly admitted UG students of Botany  | <b>Prof Gouranga Kar</b> , Director, ICAR-Central Research Institute for Jute and Fibres, Barrackpore                                      |

| Sl no. | Date                         | Seminar & Workshop   | Speakers  |
|--------|------------------------------|--|---|
| 6.     | 27 <sup>th</sup> July, 2023  | Induction Programme For the newly admitted UG students of Microbiology   | <b>Dr. Shanta Dutta,</b> Director & Scientist G National Institute of Cholera and Enteric Diseases (NICED)  |
| 7.     | 1 <sup>st</sup> August, 2023 | Azadi Ka Amrit Mahotsav-Krantiteertha Seminar on Swami Vivekananda One Day National and Indian Freedom Struggle Organized by Ministry of Culture, GOI and the Institute of Social and Cultural Studies in collaboration with Ramakrishna Mission Vivekananda Centenary College, Rahara | ✓ <b>Dr. Satyabrata Chakraborty,</b> General Secretary, Asiatic Society, Kolkata<br>✓ <b>Dr. Swarup Prasad Ghosh,</b> Director Maulana Abul Kalam Azad Institute of Asian Studies |
| 8.     | 7 <sup>th</sup> August, 2023 | Induction Programme For the newly admitted UG students of Chemistry  | <b>Dr. Ashish Lele,</b> Director, CSIR- National Chemical Laboratory, Pune  |

**Date: 13<sup>th</sup> and 14<sup>th</sup> July, 2023**

**Indian Council of Social Science Research (ICSSR) sponsored national seminar on “125<sup>th</sup> Year of Service of Ramakrishna Mission”**

| Topics  | Respected Speakers  |
|---|---|
| Inaugural Speech  | Swami Sarvottamananda, Vice Chancellor, RKMVERI, Belur Math   |
| Role of Ramakrishna Mission in the field of School education under CBSE                                 | Swami Divyasudhananda, principal, Ramakrishna Mission Vidyapith, Deoghar, Jharkhand                       |
| Role of Ramakrishna Mission in the field of School education under WB Board & Council                   | Swami Ishteshananda, Headmaster, Ramakrishna Mission Vidyalaya, Narendrapur                               |
| Role of Ramakrishna Mission in the field of Publication   | Swami Krishnanathananda, Editor, Udbodhan Patrika.  |
| Role of Ramakrishna Mission in the field of Health Science & Health Care ( especially in North East)    | Swami Kripakarananda, Secretary, Ramakrishna Mission Hospital, Itanagar, Arunachal Pradesh                |
| Role of Ramakrishna Mission in the field of Higher Education  | Swami Japasiddhananda, Department of Sanskrit and Philosophy, RKMVERI                                     |
| Role of Ramakrishna Mission in the field of Relief & Rehabilitation                                     | Swami Ekachittananda, Principal, Ramakrishna Mission Residential college, Narendrapur                     |
| Role of Ramakrishna Mission in the field of Tribal Education and empowerment ( especially Chhattisgarh) | Swami Krishnamritananda, Headmaster, Ramakrishna Mission Vivekananda Vidyapeeth, Narayanpur, Chhattisgarh |
| Role of Ramakrishna Mission in the field of Tribal Education and empowerment (especially Jharkhand)     | Sri Apurba Das, Principal, Ramakrishna Mission English School, Sidhgora, Jamshedpur. jharkhand            |
| Role of Ramakrishna Mission in the field of Technical Education   | Swami Vedatitananda (Correspondent) Ramakrishna Mission Shilpamandira, Belur Math                         |
| Role of Ramakrishna Mission in the field of Health Science & Health Care                                | Swami Satyeshananda, Assistant General Secretary, Ramakrishna Mission, Belur Math                         |

| Sl. No. | Date                             | Seminar & Workshop   | Speakers  |
|---------|----------------------------------|--|---|
| 10.     | 4 <sup>th</sup> September, 2023  | Celebration of World Entrepreneurship Week (21st August - 5 September)<br>Seminar on<br><b>“Entrepreneurship Development in Youth”</b>   | <b>Sri Satish Kumar</b> , New Delhi   |
| 11.     | 4th September, 2023              | An Interactive Lecture on<br><b>Stories of Jnan Chandra Ghosh</b> On the Birth Anniversary of Prof J C Ghosh   | <b>Prof Deb Shankar Ray</b><br>Senior Professor School of Chemical Sciences Indian Association for the Cultivation of Sciences, Kolkata |
| 12.     | 9th September, 2023              | Department of Higher Education, Government of West Bengal organised state level Workshop on <b>“NIRF preparation at college level”</b> One day workshop cum Awareness programme on NIRF<br>Host Institution: Ramakrishna Mission Vivekananda Centenary College | <b>Swami Shastrajnananda Maharaj</b> , Secretary, Ramakrishna Mission Ashram, Narendrapur   |
| 13.     | 19 <sup>th</sup> September, 2023 | Induction program for Post Graduate in Zoology   | <b>Dr. Basanta Kumar Das</b> , Honourable Director, ICAR - Central Inland Fisheries Research Institute(CIFRI), Kolkata                  |

**Date: 6<sup>th</sup> – 7<sup>th</sup> October, 2023**

**A National Workshop to Commemorate the National Librarians' Day on  
'Library Book Review by Prominent Writers'**

**Speakers:**

- ✓ **G. N. Mukherjee, Formerly Head of the Department of Chemistry, University of Calcutta.Dr.**
- ✓ **Ramaprasad Sarkar, Associate Professor (Retd.), Department of Chemistry, New Alipore College**
- ✓ **Chandrakanta Bandyopadhyay, Emeritus Professor, RKM Vivekananda Centenary College**
- ✓ **Debnarayan Jana, Professor, Department of Physics, University of Calcutta**
- ✓ **Trilok Sinha, Assistant Professor, Department of Physics, Narasinha Dutta College**
- ✓ **Partha Sarathi Mukhopadhaya, Professor, Department of Library and Information Science, University of Kalyani.**
- ✓ **Bhaba Kumar Sarma, Professor, Department of Mathematics, IIT Guwahati**
- ✓ **S. Kumaresan, Former Professor, School of Mathematics and Statistics, Gitam University; Director, MTTS Programme.**
- ✓ **Timir Baran Jha, Professor, Department of Botany, Maulana Azad College.**
- ✓ **Krishnendu Acharya, Professor, Department of Botany, University of Calcutta**
- ✓ **Somnath Mukhopadhaya, Principal, Dinabandhu Andrews College.**
- ✓ **Paulami Maity, Associate Professor, Lady Brabourne College.**
- ✓ **A. R. D. Prasad, Former Professor and Head, DRTC, Indian Statistical Institute.**

| Sl no. | Date  | Seminar & Workshop  | Speakers  |
|--------|---|---|---|
| 15.    | 4 <sup>th</sup> – 6 <sup>th</sup><br>October,<br>2023 | Hands on Training in <b>Plant Biotechnology</b><br>Organised by Department of Botany  | Participant from:<br>Bangabasi Morning College,<br>Bijoy Krishna Girls College,<br>Barasat Government College   |
| 16.    | 17 <sup>th</sup><br>November,<br>2023                 | RKMVCC <b>Utsav Sammilani</b> 2023  | ✓ <b>Dr. Chandrakanta Bandyopadhyay</b> ,<br>Emeritus Professor,<br>Department of<br>Chemistry, RKMVCC<br>✓ <b>Dr. Justice Sambuddha Chakrabarti</b> , Former<br>Justice Calcutta High<br>Court |
| 17.    | 18 <sup>th</sup><br>November,<br>2023                 | Amrit Kaal Vimarsh: Viksit Bharat @2047<br>A Lecture on<br>'The Religio-Cultural Heritage of India and Swami Vivekananda'<br>In collaboration with<br>Indian Council of Social<br>Social Science Research<br>As a part of Azadi ka Amrit Mahotsav | <b>Dr. Sarup Prasad Ghosh</b> ,<br>Director, Maulana Abul Kalam<br>Azad Institute of Asian Studies  |

| Sl no. | Date  | Seminar & Workshop  | Speakers  |
|--------|---|---|---|
| 18.    | 23 <sup>rd</sup><br>November<br>, 2023                  | One Day Online Seminar on<br><b>Moringa: The Next<br/>Superfood?</b><br>organized by<br>Department of Zoology   | Dr. Malabendu Jana,<br>Assistant Professor,<br>Neurological Sciences<br>Rush University Medical<br>Center Chicago,  |
| 19.    | 14 <sup>th</sup><br>December,<br>2023                   | An Interactive Session <b>with Prof.<br/>Trevor J. Hastie</b><br>Organised by Department of<br>Computer Science<br>Ramakrishna Mission Vivekananda<br>Centenary College, Rahara   | <b>Prof. Trevor J. Hastie</b><br><b>John A. Overdeck</b><br>Professor of<br>Mathematical Sciences<br>Professor of Statistics,<br>Professor of Biomedical<br>Data Science,<br>Stanford University, USA<br><br><b>Prof. Balasubramania<br/>n Narasimhan,</b><br>Professor of Statistics,<br>Stanford University, USA<br>Prof. Shankar Pal,<br>President ISI |
| 20.    | 14 <sup>th</sup> -20 <sup>th</sup><br>December,<br>2023 | One-week National level Online<br>Faculty Development Program on<br><b>'Outcome Based Education<br/>and Essential AI Tools for<br/>Teachers'</b><br>Organized by Internal Quality<br>Assurance Cell (IQAC) of<br>Ramakrishna Mission Vivekananda<br>Centenary College, Rahara,<br>Kolkata<br>in collaboration with Chaudhary<br>Charan Singh University, Meerut<br>cohosted by IPSR solutions | ✓ <b>Dr. Mendus<br/>Jacob</b><br>✓ <b>Dr. Sunil Job</b><br>✓ <b>Dr. Suresh<br/>Namboothiri</b><br>IPSR Solutions  |

| Sl no. | Date                                 | Seminar & Workshop  | Speakers  |
|--------|--------------------------------------|---|---|
| 21.    | 9 <sup>th</sup><br>January,<br>2024  | One –Day-International Seminar on “ <b>Present status of Breast and Liver cancers</b> ” Organized by: Molecular Mycopathology Lab, Cancer Research Unit, and Swami Vivekananda Centre for Multidisciplinary Research in Basic Sciences and Social Sciences, Ramakrishna Mission Vivekananda Centenary College, Rahara | <b>Prof Ajay Rana</b> , Endowed Professor, Cancer center, College of Medicine , Illinois University, Chicago<br>Title of lecture: “ <b>Mechanism-Based Strategy to Target Trastuzumab Resistant HER2+ Breast Cancer</b> ”<br><br><b>Prof Basabi Rana</b> , Professor, Cancer center, College of Medicine , Illinois University, Chicago<br>Title of lecture: “ <b>Mixed Lineage Kinase 3 (MLK3) Pathway Regulates Progression of Hepatocellular Carcinoma</b> ” |
| 22.    | 10 <sup>th</sup><br>January,<br>2024 | Seminar on ‘ <b>Trends in Machine Learning</b> ’ organized by the Department of Computer Science, RKMVCC Rahara   | <b>Dr. Malabendu Jana</b> , Assistant Professor, Neurological Sciences Rush University Medical Center Chicago,  |
| 23.    | 12 <sup>th</sup><br>January,<br>2024 | National Youth Day Programme  | <b>Shri Kapilananda Mondal</b> , Vivekananda Shishu Udyan   |

| Sl no. | Date                                 | Seminar & Workshop   | Speakers   |
|--------|--------------------------------------|--|--|
| 24.    | 16 <sup>th</sup><br>January,<br>2024 | Seminar on ' <b>Towards Quantum Intelligence</b> ' organized by the Department of Computer Science, RKMVCC Rahara  | <b>Prof. Amlan Chakraborty</b> ,<br>Director. A.K. Choudhury School of Information Technology. University of Calcutta  |
| 25.    | 19 <sup>th</sup><br>January,<br>2024 | Amrit Kaal Vimarsh:<br>Viksit Bharat (@ 2047 A<br><b>National Seminar on History of Hindu Chemistry and Hindu Mathematics</b><br>Sponsored by Maulana Abul Kalam Azad Institute of Asian Studies<br>Organized by Ramakrishna Mission Vivekananda Centenary College, Rahara | <ul style="list-style-type: none"> <li>✓ <b>Dr Sarup Prasad Ghosh</b>,<br/>Director of Maulana Abul Kalam Azad Institute of Asian Studies</li> <li>✓ <b>Dr Jishnu Basu</b>, Saha Institute of Nuclear Physics,</li> <li>✓ <b>Prof. Dulal Senapati</b>, Saha Institute of Nuclear Physics</li> <li>✓ <b>Prof. Sanjib Bagchi</b>,<br/>Emeritus Professor of Chemistry, RKM VCC</li> <li>✓ <b>Dr. Parthasarathi Mukhopadhyay</b>, RKM Residential College, Narendrapur</li> <li>✓ <b>Prof. Sayantan Roy</b>, Jhargram Raj College</li> <li>✓ <b>Prof. Pradip Kumar Majumdar</b>, Rabindra Bharati University</li> </ul> |

| Sl no. | Date                                  | Seminar & Workshop   | Speakers  |
|--------|---------------------------------------|--|---|
|        | 19 <sup>th</sup><br>February,<br>2024 | Seminar on “ <b>Type VI Secretion System: Antibacterial Toxins to Engineered Bio-Treatments</b> ” organized by Department of Microbiology, RKMVCC, Rahara  | <b>Dr. Biswanath Jana,</b><br>Department of Molecular Microbiology, Washington University School of Medicine.   |
| 24.    | 13 <sup>th</sup><br>March,<br>2024    | International Seminar on :<br>“ <b>Overcoming Prostate Cancer Drug Resistance</b><br><b>Topic of Lecture:</b><br><b>Tribbles2: Novel Molecular Target to Overcome Cancer Drug Resistance</b> ”<br>Organized by: Cancer Research Unit, and Swami Vivekananda Center for multidisciplinary Research in Basic Sciences and Social Sciences, Ramakrishna Mission Vivekananda Centenary College (Autonomous), Rahara, Kolkata 700118, India | <b>Prof Jagadananda Ghosh,</b><br>Senior Scientist, Dept. of Urology, Henry Ford Cancer Research Institute, Detroit, Michigan, USA<br>;Professor: Dept. of Human Genetics, Michigan State |



## College Fee

- The following fees per month are payable in advance reckoning from the month of July. Any change in the rates will be notified in due course on the college Notice Board. (The following rates of fees are liable to increase if amount of Government grant is reduced in future). A separate fee-structure for P.G. course is furnished on page 33.

(Establishment fee Rs. 50 × 12 = 600)

Admission fee Rs. 1000 /-

Semester fee Rs. 2000/-

Certificate Course fee Rs. 1500/-

- Students must clear their college dues before being allowed to sit for the Test and Semester Examination. Establishment Fee is same for all the students.

|                        |   |                  |
|------------------------|---|------------------|
| <b>Tuition fee</b>     | - | <b>Rs. 110/-</b> |
| <b>Laboratory Fee</b>  | - | <b>Rs.90/-</b>   |
| <b>Development Fee</b> | - | <b>Rs.70/-</b>   |
| <b>Generator Fee</b>   | - | <b>Rs. 50/-</b>  |

## Session Charges

- Besides the fees detailed above, the following are to be paid at the time of admission and the beginning of every new session.
- The session charges are same for all the students. Students having Botany, Zoology & Microbiology combination will have to bear the cost for excursions included in the syllabus.

|                                      |            |
|--------------------------------------|------------|
| Renovations & Repair                 | Rs. 660/-  |
| College Examination Fee              | Rs. 2000/- |
| Library Fee                          | Rs. 1000/- |
| Students' Activities & Welfare       | Rs. 120/-  |
| Ceremonials including Saraswati Puja | Rs. 100/-  |
| Water & Electricity                  | Rs. 1040/- |



## Caution Money Deposit

- At the time of admission, students are required to make a Caution Money Deposit according to the following rates.
- All caution money deposits are refundable to the students within 3 months from the date of publication of the results of University Examination after necessary deduction for Laboratory and Library damage, breakages or losses of College property, if any. A minimum amount of Rs.100/- will be deducted from each student for general breakage, wear & tear. No interest is paid on the caution money deposits. The caution money deposit shall be forfeited and transferred to the Principal's Aid Fund if the same is not withdrawn within one year from the date of leaving the college of the date of publication of the results of the relevant public examination whichever is earlier.

### Hons.

|                          |       |
|--------------------------|-------|
| Laboratory Deposit : Rs. | 100/- |
| Library Deposit : Rs.    | 100/- |
| Total : Rs.              | 200/- |

## Registration Fee

- Students of the First Year Class will be required to pay a sum of Rs. 210/- at the time of admission as University Registration Fee. Any student falling to maintain necessary regular contact with the college office in connection with the University Registration formation shall forfeit his seat.
- 

## Migration Fee

- Students coming from Universities and Education Boards other than the W.B State University and the West Bengal Council for Higher Secondary Education may be provisionally admitted on payment of prescribed migration fee (if any) for their selected course of studies. Such students will have to furnish certain particulars in prescribed forms, and also a migration certificate from his previous University/ Council/ Board in due course.

## Collection of Tuition Fees

- Fees are payable generally at the beginning of each session. All the students promoted to next higher class in this College will be required to pay all college fees including session charges within two weeks from the date of commencement of respective classes. The name of the student who will be defaulter will be struck-off from the rolls of the college.

## Transfer

- A transfer fee of Rs.-200/- is charged for transfer. Before transfer certificate is issued to student, he must follow all the formalities as instructed at the time of his admission and must clear all his college dues, if any. A Transfer certificate is generally issued to a student 10 days from the date of his application for the same, duly countersigned by guardians. Student whose presence in the Institution is considered to be detrimental to the interests of the College, will be issued transfer certificate and it will not be open to the student or guardian concerned to ask for the reason.
- 

## Library

- The college has a library run on modern lines with fully computerised on-line access system with RFID tagging. Each student is provided one RFID tagging card which are to be returned if the student discontinues his studies at the college. The college Library remains open from 7-00 a.m. to 5-15 p.m. on full working days. In addition to the normal library facilities from Lending and Reference sections, students are also provided with books on long term loan on payment of 20% of the cost of books as handling charges.



# Religious Instruction:

- The College is under the management and supervision of the Ramakrishna Mission Boys' Home. The students are, therefore, expected to participate in all religious and social functions and activities of the Mission. The special feature of the College is to impart religious instruction of a very broad and catholic nature as preached and practised by Sri Ramakrishna and propounded by his disciple Swami Vivekananda. Ramakrishna-Vivekananda literature is available in the library and students are expected to make effective use of it.
- 

## Dress

- The college has prescribed uniforms for UG & PG students respectively. It is mandatory for the students to wear college uniform.



## Discipline

- Students should conform to the rules and discipline of the college. They should be respectful to the teachers and other staff members of the college. They should regularly see the notice on the Notice Board and act accordingly. They should also scrupulously avoid all political activities and demonstrations. Collection of any sort of funds from among the students or holding of meeting in and around the premises is not allowed without the prior permission of the Principal. Any breach of discipline will be seriously dealt with and the decision of the Principal in all such cases shall be final.

## Stipends and Free Studentship

- Students, if eligible may receive SC/ST, national merit, national loan or other scholarships. Application for such stipends is to be made through the Principal in the prescribed form.
- The following is the list of scholarships received by our students. Some scholarships are directly transferred to the students to own Bank Account. Their names are not counted here.

| Name of the Scholarship                    | Amount (Rs)  | Total Students | Total Amount (Rs) |
|--|--|----------------|-------------------|
| Merit-cum-Means                            | 18000 × 425 = 76,50,000/-<br>30000 × 156 = 46,80,000/- | 987            | 2,28,54,700/-     |
| Inspire- Scholarship                       | 60,000 × 119 = 71,40,000/-                             |                |                   |
| Sitaram Jindal Foundation<br>(76 Students) | 6, 84,700/-  |                |                   |
| National Scholarship                       | 12000 × 183 = 21,96,000/-                              |                |                   |
| Reliance Foundation                        | 50000 × 3 = 1,50,000/-                                 |                |                   |
| Dipali Dasgupta Scholarship                | 36000 × 1 = 36,000/-                                   |                |                   |
| Airforce Association<br>Scholarship        | 12000 × 1 = 12,000/-                                   |                |                   |
| Bhutoria Memorial Trust<br>Scholarship.    | 7000 × 18 = 1,26,000/-                                 |                |                   |
| <b>Total</b>                               |  |                |                   |



## Attendance

- Students seeking admission to this College should be very regular in attendance at classes. For all the students, the promotion to next higher class will depend on very regular class attendance for theory and practical separately in each subject and securing qualifying mark at all the examinations held during the year. Similarly in class of re-admission, any student who has failed to attend the classes regularly, his case will not be considered for re-admission. All the guardians are requested to be careful about their wards in connection with attendance, promotion, etc.
- Any newly-admitted student found remaining absent for three consecutive working days w.e.f the date of commencement of classes without the permission of the Principal will forfeit his seat.
- A student to be sent up for the Semester Examination must have attended the classes regularly (theoretical & practical classes taken separately in each subject) and secured qualifying marks in all the examinations held during the year.
- A student failing to attend the classes regularly will be treated as non-collegiate and subsequently may not be allowed to appear in the examination.



## Salient Points

- The college is a **Post-Graduate Science College**.
- Twenty (20) Students of different department are working for their Ph.D thesis in the College Laboratories.
- The College is a **DST-FIST Centre**.
- The college is a **WBDST-FIST Centre**.
- The college is a **DBT-STAR college status**.
- The college is **BOOST Centre by WB DBT**
- The College is centre for Campus Recruitment by the multi-national organisations like TCS, ACC etc.
- Accredited by **NAAC with Grade-A++**

## College with Potential for Excellence(CPE)

- College has got **Autonomous status** from UGC
- College has got the Recognition of **Scientific and Industrial Research Organisations (SIROs)** by the MINISTRY OF SCIENCE AND TECHNOLOGY, Govt. of India.
- According to **NIRF the college in 8th** position in the National Level.



## NIRF Ranking 2023:

- The National Institutional Ranking Framework (NIRF) was approved by the MHRD and launched by Honorable Minister of Human Resource Development on 29th September 2015.
- This framework outlines a methodology to rank institutions across the country. The methodology draws from the overall recommendations broad understanding arrived at by a Core Committee set up by MHRD, to identify the broad parameters for ranking various universities and institutions. The parameters broadly cover “Teaching, Learning and Resources,” “Research and Professional Practices,” “Graduation Outcomes,” “Outreach and Inclusivity,” and “Perception”.
- As per the result declared by MHRD on 2023; our college has secured 8th rank in India.



## Schedule of Fees and Charges per annum for M.Sc. Course

| Particulars                    | First Instalment<br>(Rs.) | Second Instalment<br>(Rs.) | Total<br>(Rs.)  |
|--------------------------------|---------------------------|----------------------------|-----------------|
|                                | (A)                       | (B)                        | (A+B)           |
| Tuition Fee                    | 960.00                    | 960.0                      | 1920.00         |
| Laboratory Fee                 | 4000.00                   | 4000.00                    | 8000.00         |
| Course Fee                     | 10000.00                  | 10000.00                   | 20000.00        |
| Development Fee                | 1620.00                   | 1620.00                    | 3240.00         |
| Electricity                    | 360.00                    | 360.00                     | 720.00          |
| Examination Fee                | 440.00                    | 440.00                     | 880.00          |
| Students' Activities & Welfare | 70.00                     | 70.00                      | 140.00          |
| Ceremonials                    | 30.00                     | 50.00                      | 80.00           |
| Identity Card                  | 20.00                     |                            | 20.00           |
| <b>Total</b>                   | <b>17500.00</b>           | <b>17500.00</b>            | <b>35000.00</b> |

## **College Faculties:**

### **Honorary Monastic Members**

**Swami Kamalasthananda** Principal

**Swami Vedanuragananda**, Controller of Examinations

**Swami Mokshapadananda**, Office Superintendent cum Treasurer

### **Controller of Examination Office**

**Swami Vedanuragananda**, Controller of Examinations

**Swami Kavishwarananda**, Assistant Controller of Examinations

**Prof. Pannalal Das**, Assistant Controller of Examinations

**Prof. Manas Moulic**, Assistant Controller of Examinations

**Sri Subhasish Samanta**

**Sri Sandip Goswami**

**Sri Bimalendu Baidya**

# Department of Physics

**Prof. Asok Kumar Pal**, M.Sc., Ph.D. (Head of the Dept.)

**Prof. Chandan Kumar Das**, M.Sc., Ph.D.

**Prof. Atisdipankar Chakraborty**, M.Sc., Ph.D.

**Prof. Sankhasubhra Nag**, M.Sc., Ph.D.

**Prof. Rajen Kundu**, M.Sc., Ph.D.

**Prof. Bhaskar Haldar**, M.Sc.

**Prof. Kalyan Brata Chatterjee**, M.Sc., Ph.D.

**Prof. Anjan Kumar Chandra**, M.Sc., Ph.D.

**Prof. Palash Nath**, M.Sc., Ph.D.

**Dr. Guru Charan Mahato**, M.Sc., Ph.D., FICCE, G.L.I

**Sri Chinmoy Choudhury**, B.Sc., M.A., G. L. I.

**Sri Tapan Chatterjee**, Lab Attendant

**Sri Jagadish Samanta**, Lab Attendant

# Department of Chemistry

**Prof. Tapas Ghosh, M.Sc., Ph.D. (Head of the Department)**

**Prof. Kumar Ranabir Sur, M.Sc. Ph.D.**

**Prof. Ranjan Patra, M.Sc., Ph.D.**

**Prof. Subhabrata Banerjee, M.Sc., Ph.D.**

**Prof. Buddhadeb Dutta, M.Sc., Ph.D.**

**Prof. Bipul Mondal, M.Sc., Ph.D.**

**Prof. Debabrata Jana, M.Sc., Ph.D.**

**Prof. Kaustab Mandal, M.Sc., Ph.D.**

**Prof. Supratim Suin, M.Sc., Ph.D.**

**Prof. Saugata Sarkar, M.Sc., Ph.D.**

**Prof. Chandrakanta Bandyopadhyay, M.Sc., Ph.D (Emeritus Professor)**

**Prof. Kalipada Pal, (Management appointed)**

**Prof. G . N. Mukherjee, (Visiting Faculty)**

**Prof. S. C. Bagchi, (Emeritus Professor)**

**Prof. K. Bhattacharyya, (Emeritus Professor)**

**Prof. M. N. Bishnu, (Visiting Faculty)**

**Sri. Gangadhar Chakraborty, B.Sc., G. L. I.**

**Sri Ramesh Chandra Pal, Store Keeper**

**Sri. Anal Ranjan Naskar, Lab. Attendant**

**Sri Basudeb Debnath, Lab. Attendant**

**Sri Biswanath Mandal, Lab. Attendant**

# Department of Mathematics

**Prof. Pravanjan Kumar Rana**, M.Sc., Ph.D. (Head of the Department)

**Prof. Partha Ray**, M.Sc. Ph. D.

**Prof. Abhishek Kanti Biswas**, M.Sc. Ph. D.

**Prof. Bikash Chakraborty**, M.Sc. Ph. D.

**Prof. Kshitish Chandra Mistri**, M.Sc. Ph. D.

**Prof. Phonindra Nath Das**, M.Sc. Ph. D.

**Prof. Santanu Biswas**, M.Sc. Ph. D.

**Sri Soumya Patra**. M.Sc.

**Prof. Amit Biswas**, (Management appointed)

**Prof. A. Hore** (Management appointed)

**Prof. P. Seth** (Management appointed)

**Prof. P. C. Pal** (Management appointed)

**Prof. Dilip Kumar Ganguly** (Visiting Faculty)

**Prof. Sanjib Kumar Datta** (Visiting Faculty)

**Prof. Chinmay Ghosh** (Visiting Faculty)

**Prof. Bappaditya Ghosh** (Visiting Faculty)

**Prof. Anup Kumar Koley** (Visiting Faculty)

# Department of Botany

**Prof. Bidyut Bhushan Chattopadhyay**, M.Sc., (Head of the Department)

**Prof. Swapan Kumar Ghosh**, M.Sc., Ph.D.

**Prof. Biswajit Ghosh**, M.Sc., Ph.D., PG Coordinator

**Prof. Harishankar Dey**, M.Sc., M.Phil, Ph.D.

**Prof. Anirban Kundu**, M.Sc., Ph.D.

**Prof. Biswajit Roy**, M.Sc., Ph.D.

**Prof. Avik Kumar Choudhury**, M.Sc., Ph.D.

**Prof. Anirban Bhar**, M.Sc., Ph.D.

**Prof. T. B. Jha**, (Visiting Faculty)

**Prof. Ambarish Mukherjee** (Visiting Faculty)

**Prof. Manas Ranjan Majumdar** (Visiting Faculty)

**Dr. Niloy Chakraborty**, M.Sc., Ph.D, G. L. I.

**Sri Ashok Khanra**, Specimen Collector

**Sri Shankar M. Rao**, Lab Attendant

## **Department of Zoology**

**Prof. Pradyot Kumar Medda, M.Sc., Ph.D. (Head of the Department)**

**Prof. Koutilya Bhattacharjee, M.Sc., Ph.D.**

**Prof. Arunava Mukherjee, M.Sc., Ph.D.**

**Prof. Samir Sardar, M.Sc.**

**Prof. Rupak Kumar Das, M.Sc.**

**Prof. Ajoy Mallik, M.Sc., Ph.D.**

**Prof. Tanmoy Paul, M.Sc, Ph. D**

**Dr. Subham Mookerjee M.Sc, Ph. D**

**Prof. Bulganin Mitra, (Emeritus Professor)**

**Prof. Pannalal Das, (Management appointed)**

**Prof. Abhay Shankar Chakraborti (Visiting Faculty)**

**Sri Partha Bose, Lab.Attendant**

**Sri Kanailal Sarkar, Lab.Attendant**

## Department of Microbiology

**Swami Kavishwarananda, Co-ordinator (Honorary Monastic Member)**

**Prof. Bivabasu Hazra, M.Sc., Ph.D.**

**Prof. Basudev Murmu, M.Sc.**

**Prof. Sekhar Pal, M.Sc., Ph.D.**

**Dr. Subrata Kundu, M.Sc., Ph.D.**

**Dr. Sujoy Pal, M.Sc., Ph. D.**

**Dr. Somuyadip Paul, M.Sc., Ph. D.**

**Dr. Avijit Chakraborty, (Management appointed)**

**Dr. Debasish Malik, (Guest Faculty)**



# Department of Computer Science

**Swami Vedanuragananda**, Co-ordinator (Honorary Monastic Member)

**Prof. Manas Pal**, M.Sc., M. Tech.

**Prof. Chayan Halder**, M.Sc., Ph.D.

**Prof. Soumen Atta**, M.Sc., Ph.D.

**Prof. Samir Kumar Bandyopadhyay**, Ph.D.(CU), Ph.D. (UK) (Emeritus Professor)

**Prof. Soumya Paul**, M.Sc., M. Tech, Ph.D., D.Lit. (Guest faculty)

**Sri Biswajit Biswas**, M.Sc. M.Tech.

**Sri Prasenjit Das**, M.Sc. M.Tech.



# Swami Vivekananda Centre for Multidisciplinary Research in Basic Sciences and Social Sciences

Dr. Tuhin Chatterjee, Coordinator

## Centre for Professional Studies

Dr. Tuhin Chatterjee, Coordinator

Sri Debabrata Shom, Joint Coordinator



# Library

**Dr. Rabi Kumar Dey, Ph.D. Librarian**

**Dr. Sudip Diswas, Ph.D., Librarian**

**Sri. Pradip Das, Library Attendant**

**Sri Tanmay Kar, Library Attendant**

## Language Department

**Prof. Manas Moulic, M.A.**

## Swami Vijnanananda Gallery on Indian Knowledge Systems

**Dr. Sujoy Pal, Coordinator**



# College Office

**Sri Diptarup Das**, Office Staff

**Sri Chimay Mandal** Office Staff

**Sri. Kartik Bagdi**, Office Staff

**Sri Chiranjib Mondal**, Office Staff

**Sri Barun Bachar**, Office Staff

**Sri Saptarshi Chakraborty**, Office Staff

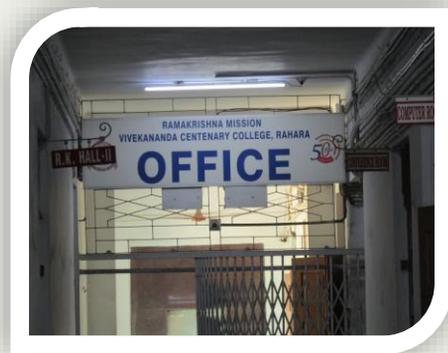
**Sri Shoven Mitra**, Office Staff

**Sri Srikanta Bagdi**, Office Staff

**Sri M. Yadav**, Office Staff

**Sri Rajendra Yadav**, Office Staff

**Sri Debasish Sarder**, Office Staff





“We want the education by which character is formed, strength of mind is increased, the intellect is expanded, and by which one can stand on one’s own feet.”

...Swami Vivekananda

ॐ असतो मा सद्गमय ।  
तमसो मा ज्योतिर्गमय ।  
मृत्योर्मा अमृतं गमय ।  
ॐ शान्तिः शान्तिः शान्तिः ॥