RAMAKRISHNA MISSION
VIVEKANANDA CENTENARY COLLEGE
Rahara, Kolkata 700 118

PROSPECTUS 2019

❖ An Autonomous College under WBSU
❖ College with Potential for Excellence (CPE)
❖ Accredited by NAAC with Grade-A
❖ With Post-Graduate Section
❖ Secured All India Rank 8 in NIRF 2019
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 principal 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 3rd 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.
Courses of Studies

The college has arrangements for teaching Honours in Physical Sciences and Biological Sciences only. There is provision for 3 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, Botany and Mathematics. The college is also providing UGC Recognized Certificate Courses for degree students.

Note: *Some Day-section classes of subjects like may be held before 01-30 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 & CBCS

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.

Choice Based Credit System (CBCS): The CBCS provides choice for students to select from the prescribed courses (core, elective or minor or soft skill courses).

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 Choice Based Credit System:

1. Core Course (14 for Honours 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 core requirement is termed as a Core course.

2. 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.

2.1 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.

2.2 Generic Elective (GE) Course (4 for honours courses): An elective course chosen from an unrelated discipline/subject, with an intention to seek exposure beyond discipline/s of choice is called a Generic Elective.

3. Ability Enhancement Courses (AEC): The Ability Enhancement (AE) Courses may be of two kinds: Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC). An undergraduate degree with Honours in a discipline may be awarded if a student completes 14 core papers in that discipline, 2 Ability Enhancement Compulsory Courses (AECC), minimum 2 Skill Enhancement Courses (SEC) and 4 papers each from a list of Discipline Specific Elective and Generic Elective papers, respectively.
SUBJECTS OFFERED & ELIGIBILITY FOR ADMISSION

B.Sc. Honours

- Chemistry (Hons.)
- Mathematics (Hons.)
- Physics (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. Bandyopadhay 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, ManasRanjanMajumdar, ArunBnerjee 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
The College introduced the Post Graduate Course in Mathematics 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.

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.

Details of the admission process will be displayed in the notice-board in the beginning of each session just after completion of the admission process for degree course. At present the following nine Certificate Courses are provided to the Undergraduate students.

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<tr>
<th>Sl. No.</th>
<th>Name</th>
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<tbody>
<tr>
<td>1.</td>
<td>Floriculture and Landscaping</td>
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<td>2.</td>
<td>Sports Medicine and Talent Identification</td>
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<td>3.</td>
<td>Water Management</td>
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<td>4.</td>
<td>Environmental Protection / Management</td>
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<td>5.</td>
<td>Field Study and Environment Education</td>
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<td>6.</td>
<td>Yoga For Physical And Mental Health</td>
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<td>7.</td>
<td>Mushroom Cultivation And Management</td>
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<tr>
<td>8.</td>
<td>Web Designing for Beginners</td>
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<tr>
<td>9.</td>
<td>Communicative English &amp; Language Practice</td>
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</tbody>
</table>
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 ‘JivanSopan’ for conducting the Certificate Course in well-structured way.
Swami Vivekananda Centre for Multidisciplinary Research in Basic sciences and Social Sciences

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:

a) ICT enabled classrooms in every Department equipped with multimedia projectors for state of the art presentation system.

b) One Classroom with smart board and facilities for distance-mode e-classes in collaboration with Ramakrishna Mission Vivekananda University, Belur Math.

c) The electric power supply of the college is servo-stabilized through 180KVA three-phase Servo-Stabilizer.

d) 25KVA Green power supply through a big battery-bank.

e) 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.

f) 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.

g) 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.

h) One Air-conditioned Conference room important academic meetings and discussion amongst the faculty members.
i) 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.

j) Broadband connectivity with wifi-system ensures uninterrupted internet facility.

k) Completely computerized catalogue in the library.

l) Projection system to notify the recent arrivals in the library.

m) A 30KW Grid-connected Solar power generation unit for promoting the use of non-conventional energy resources and for minimizing the electric consumption of the college.

n) A Poly House for Botanical research.

o) A Shade Net House for temperature and light intensity-controlled plant growth.

p) A Mushroom Cultivation Unit for Certificate Course with a museum displaying various types of mushrooms.
### Seminars & Workshops organized by the College (2018-2019)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Date</th>
<th>Title</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>1.</td>
<td>4th July, 2018</td>
<td>Visit for ‘Green Campus Inventory’ Programme</td>
<td>Members of CSE (Centre for Science and Environment), Delhi: Mr. Rajneesh Sareen and Ms. Mitashi Singh</td>
</tr>
<tr>
<td>2.</td>
<td>13th July, 2018</td>
<td>Workshop on Mathematics</td>
<td>Dr. Arijit Ganguly, Post Doc Fellow, Tel Aviv University, Israel (Formerly Doctorate from TIFR)</td>
</tr>
<tr>
<td>3.</td>
<td>13th July 2018</td>
<td>Seminar on ‘Recent Trends in Particle Physics’</td>
<td>Dr. Srimoy Bhattacharya, IIT Guwahati</td>
</tr>
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<td>4.</td>
<td>17th July, 2018</td>
<td>Seminar on ‘Prokaryotes: the Origin of Life’</td>
<td>Dr. Alokemoy Basu, ABN Seal College, Coochbehar</td>
</tr>
<tr>
<td>5.</td>
<td>17th August, 2018</td>
<td>Seminar on ‘World Elephant Day’</td>
<td>Sri Subrata Palchowdhury, Forest Department, West Bengal</td>
</tr>
<tr>
<td>6.</td>
<td>22nd September, 2018</td>
<td>Seminar on ‘Diabetes’</td>
<td>Dr. Partha Chakraborty, IICB, Kolkata</td>
</tr>
<tr>
<td>7.</td>
<td>05th October, 2018</td>
<td>Seminar on ‘A tale of Two Gases’</td>
<td>Dr. Rahul Banerjee, Associate Professor, Department of Chemical Science; Indian Institute of Science Education and Research (IISER), Kolkata</td>
</tr>
<tr>
<td>8.</td>
<td>06th October, 2018</td>
<td>Seminar on ‘Genetics of Cancer’</td>
<td>Dr. Runa Sur, Department of Biophysics and Molecular Biology, Calcutta University</td>
</tr>
</tbody>
</table>
- Dr. Joydeep Sengupta, Aliah University  
- Dr. Gayatri Panicar, Post-Doc Fellow, IIT Kanpur  
- Dr. Debopam Chakraborty, Tezpur University |
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<tr>
<th></th>
<th>Date</th>
<th>Event Description</th>
<th>Participants</th>
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| 10. | 12th-13th January, 2019 | A National Seminar On “Chicago Address of Swami Vivekananda and its impact in Indian Society and Nationalism” (to commemorate the 125th Anniversary of Swami Vivekananda’s Chicago Address) Sponsored by Indian Council of Social Science Research, New Delhi | Swami Devapriyananda, President, Ramakrishna Vedanta Centre, Lusaka, Zambia  
Swami Narasimhananda, Editor, Prabuddha Bharat, Mayavati, Uttarakhand  
Dr. Manasendu Kundu, Summer Faculty in Dept. of Environmental Studies and Anthropology, UC Santa Barbara  
Prof. Nirmal Maity, Member, Vivekananda Vijnan Mission (West Bengal Chapter of Vijnan Bharati)  
Dr. Bishnupada Nanda, Professor, Department of Education, Jadavpur University  
Sri Sekhar Chakrabarti, a well known vexillologist  
Sri Arijit Sarkar, MCKV Institute, Howrah |
| 11. | 13th January, 2019 | **Sparsha 2019** – a workshop on Ethics & Interdisciplinary Education towards Quality of Human Life organized in collaboration with The Zoological Society, Kolkata |  
- Swami Divyananda, Secretary, Ramakrishna Mission Saradapitha  
- Basab Chaudhuri, Hon’ble Vice Chancellor, WBSU  
- Shri Samaresh Parida, CEO, SP Growth Consulting, Director IDBI Bank  
- Shri Amal Kumar Mukhopadhyay, Noted Educationist, Former Principal, Presidency College  
- Shri Tushakanti Shil, Chairman, West Bengal Council of Yoga & Naturopathy  
- Dr. Jhuma Basak, Psychoanalyst & Assistant Professor of Psychology, NSHM Knowledge Campus  
- Smt. Urmimala Basu, Noted Performing Artiste and Orator  
- Shri Debojyoti Mishra, Distinguished Music Composer |
| 12. | 14th January, 2019 | Seminar on ‘Chemistry Today’ in collaboration with Indian Chemical Society, Kolkata |  
- Dr. Swadhin K. Mandal, (IISER, Kolkata), Bhatnagar Awardee 2018  
- Prof. B. K. Banik, Ph.D., C. Chem, FRSC Vice President of Research & Education Development of the Community Health Systems of South Texas.  
- Prof. Samaresh Bhattacharya, FASc, WBAScT Department of Chemistry, Jadavpur University, Bhatnagar Awardee 2001 |
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<th>Speakers</th>
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| 13  | 22\textsuperscript{nd} - 23\textsuperscript{rd} January, 2019 | National Level Seminar on “New methodology of NAAC assessment for quality enhancement in higher education institutes” sponsored by NAAC, Bangalore | • Prof. Saugata Roy, Hon’ble MP  
• B.S. Ponmudiraj, Eastern Region Co-ordinator at NAAC & Deputy Adviser, NAAC  
• Mr. Prabir Das, Member Secretary, WBCHE  
• Swami Bhudevananda, Principal, Ramakrishna Mission Residential College, Narendrapur  
• Prof. Saikat Mitra, Vice Chancellor, Maulana Abul Kalam Azad University of Technology  
• Prof. Shital Kr. Chattopadhyay, Dept. of Chemistry, Kalyani University  
• Prof. Sudeshna Purkayastha, Professor, Dept. of History, Assam University  
• Dr. Sajal Dey, Assistant Prof., Dept. of Russian Studies, The EFL University, Shillong Campus, Meghalaya. |
| 14  | 4th February, 2019 | Seminar on ‘Einstein's Gravity-gravitational lensing and gravitational waves’  
Organized by The Department of Physics, Ramakrishna Mission Vivekananda Centenary College, Rahara | Prof. Somak Raychaudhury, Director Inter-University Centre for Astronomy and Astrophysics |
| 15  | 5th February, 2019 | Mathematical Workshop on Isomorphism  
Organized by The Department of Mathematics, Ramakrishna Mission Vivekananda Centenary College, Rahara | Dr. Arijit Ganguly, IIT Kanpur |
| 16  | 14\textsuperscript{th} February, 2019 | Seminar on “Indiscriminate use of Antibiotics and its outcome”.  
Organized by The Department of Microbiology, Ramakrishna Mission Vivekananda Centenary College, Rahara | Dr. Parthasarathi Ain, R.G. Kar Medicinal College Hospital, Kolkata |
<p>| 17  | 19\textsuperscript{th} February, 2019 | Seminar on “Conservation and Bioprospecting of Medicinal | Dr. Mathew Dan, Senior Scientist &amp; Head, Plant Genetic Resource Division, Jawaharlal Nehru |</p>
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<tr>
<th>No.</th>
<th>Dates</th>
<th>Event</th>
<th>Details</th>
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</table>
Prof. D.K. Ganguly, Vice President, Calcutta Mathematical Society  
Prof. Karmeshu, President, The Indian Mathematics Consortium  
Prof. S. Chakraborty, Jadavpur University  
Prof. S.D. Adhikari, Ramakrishna Mission Vivekananda Educational & Research Institute, Belur,  
Prof. Shameek Paul, Ramakrishna Mission Vivekananda Educational & Research Institute, Belur  
Prof. A. Bhattacharjee, Jadavpur University |
<p>| 18. | 25th February, 2019 | Recent trends in Chemical Technology | Goverdhan Meheta, Formal Director; Indian Institute of Science (IISC) Bangalore. |
| 19. | 28th February, 2019 | Seminar on Pollination Biology | Achintya Chattopadhyaya, Zoological Survey of India |
| 20. | 28th February, 2019 | National Science Day Celebration and ‘Jijnasa’ Intra College Quiz Competition | Achintya Chattopadhyaya, Zoological Survey of India |
| 21. | 12th March, 2019 | Seminar on “Higher Education Scenario Globally: Present and Future” | Mr. Sharad Vivek Sagar, Founder and CEO of Dexterity Global |
| 22. | 13th March, 2019 | Seminar on ‘Advancement of Diarrhoeal Disease Research: Contributions by | Prof. Manoj Kumar Chakrabarti, ICMR Emeritus Medical Scientist, Former Scientist G and Director (I/C), NICED (ICMR), Kolkata, |</p>
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<th>Organizers</th>
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| 24  | 15th March & 16th March, 2019 | An International Seminar on “Influence of Swami Vivekananda and Gautam Buddha in Culture and Civilization of Southeast Asia” | Dr. Shambhu Nath De’
Organized by The Department of Microbiology, Ramakrishna Mission Vivekananda Centenary College, Rahara |

- Sh. Ganbold. G, H. E. Ambassador of Mongolia in India
- Dr. Sujit K. Ghosh, Chairman, MAKAIAS.
- Dr. Srikant Mohapatra, Vice-Chancellor, Odisha State Open University
- Ven. Dr. M. Medhankara Thero, Maha Bodhi Society of India
- Prof. K. C. Baral, English and Foreign Languages University, Hyderabad
- Dr. Suchandana Chatterjee, Senior Academic Fellow, ICHR, New Delhi
- Dr. Do Thu Ha, Hanoi, Vietnam
- Dr. Ven. Myagmarsuren Gombodroj, Ulaanbaatar, Mongolia
- Prof. Aiswarya Biswas, University of Calcutta
- Dr. Mahua Das, President, West Bengal Council of Higher Secondary Education
- Dr. Anup Dey, Head of the Department in English, Assam Central University
- Swami Supriyananda, Kuala Lumpur, Malaysia
- Prof. N.C. Panda, ICCR Chair, Bangkok, Thailand
- Prof. Prashanthi Narangoda, University of Kelniya, Sri Lanka
- Dr. Suresh Kumar, ICHR, New Delhi
- Prof. Sudip Basu, Visva-Bharati, Santiniketan
- Dr. Kirtiraj Dadaraao C., Institute of Pali and Buddhist Studies, Pune
- Dr. Sonia Jasrotia, ICCR Chair, Cambodia
- Prof. Pradeep Kumar Mane, Pune, Maharashtra, India
- Prof. Swapna Bhattacharya, University of Calcutta
- Dr. Santanu Dey, Ramakrishna Mission Vidyamandira, Belurmath
- Dr. Lauw Acep, Nalanda Buddhist
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<tbody>
<tr>
<td>25</td>
<td>16th &amp; 17th April, 2019</td>
<td>Cheminformatics in Drug Discovery and Research</td>
<td>Dr. Jitesh Doshi,</td>
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<td>26</td>
<td>17th April, 2019</td>
<td>Seminar on ‘Pollination Biology’</td>
<td>Parthib Basu, Department of Zoology &amp; Centre for Pollination Studies, University of Calcutta</td>
</tr>
<tr>
<td>27</td>
<td>17th &amp; 18th April, 2019</td>
<td>Bioinformatics Workshop for Biological Science</td>
<td>Dr. Jitesh Doshi,</td>
</tr>
<tr>
<td>28</td>
<td>18th April, 2019</td>
<td>Seminar on ‘Pollination in Mangrove Ecosystem’ Organised by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara</td>
<td>Prof. Punarbasu Chaudhuri, Head, Department of Environmental Science, University of Calcutta.</td>
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PROCEDURE OF ADMISSION

Admission is open to MALE students only. Applications for admission are to be made to the Principal of the college in prescribed from immediately after the publication of the results of the qualifying examination of the Board or Council or University.

The application from and prospectus can be obtained from the College website during prescribed hours on payment of Rs.400/- only for B.Sc. Course and Rs.450/- only for M.Sc. course.

Written Test will be held to select the suitable candidate for your particular subject. The selection will be done considering 50% weightage from the concern subject and 50% from the written Test of said subject.

In the matter of admission, the decision of the Principal will be final. The names of the candidates selected for interview will be duly notified. Other details about admission will be duly notified and guardians should go through them carefully before seeking admission of their wards in this college. It will not be possible to entertain any admission related correspondence through postal/ courier services.

No change in combination of subjects is allowed after admission. Seats are reserved for students belonging to Scheduled Caste, Scheduled Tribes, OBC-A & OBC-B as per usual norms.

The students of the college who discontinue or fail in the Examinations cannot claim re-admission. Students who will be unsuccessful in the Examinations or deficient in attendance may not be allowed to continue in the college. It is highly undesirable that a student should prosecute his studies in a particular class for the second time. The decision, in the matter of readmission, however, will be taken by the Principal of the college and his decision will be final.
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 20.
(Establishment fee Rs. 50×12= 600)
Semester fee Rs. 2000/-
Certificate Course fee Rs. 1000/-
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.

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.
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.-110/- 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 to be detrimental to the interests of 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. Each student is provided with two library cards 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 STUDENTSHP

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.

**Details of Scholarship & Stipend List for 2018-2019**

<table>
<thead>
<tr>
<th>Name of the Scholarship</th>
<th>Amount (Rs)</th>
<th>Total Students</th>
<th>Total Amount (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Merit-cum-Means.</td>
<td>$18000 \times 68 = 1224000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$30000 \times 28 = 840000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspire- Scholarship.</td>
<td>$60,000 \times 28 = 1680000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post Matric.</td>
<td>$4020 \times 4 = 16080</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$5120 \times 1 = 5120</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$5520 \times 4 = 22080</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$5920 \times 2 = 11840</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sitaram Jindal Foundation.</td>
<td>$4800 \times 2 = 9600</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$3600 \times 3 = 10800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swami Adi Scholarship Belur Math.</td>
<td>$3000 \times 10 = 30000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waiver Examination Fee</td>
<td>$1500 \times 1 = 1500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alumni Scholarship (UG &amp; PG) (6)</td>
<td>$36000</td>
<td>$202</td>
<td>$40,99,471/-</td>
</tr>
<tr>
<td>Scholarship for Book grant (3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$3311</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuition Fee Waiver Stipend from R.K.M.V.C.C. Rahara</td>
<td>$1320 \times 7 = 9240</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toppers’ Academy and Other Stipend from R.K.M.V.C.C.(18)</td>
<td>$25400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Maitrayee Chakraborty Charitable Trust</td>
<td>$11900 \times 10 = 119000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sabitri Devi Memorial Scheme for Book Grant to Poor &amp; Meritorious Students</td>
<td>$1500 \times 5 = 7500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sister Nivedita Medha Sattva Scholarship</td>
<td>$18000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student’s Aid Fund.(1)</td>
<td>$36000</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>$40,99,471/-</td>
</tr>
</tbody>
</table>
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 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
✓ According to NIRF the college in 8th position in the National Level.
NIRF Ranking 2019:
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 8th April, 2019; our college has secured 8th rank in India.
### Schedule of Fees and Charges per annum for M.Sc. Course

<table>
<thead>
<tr>
<th>Particulars</th>
<th>First Instalment (Rs.)</th>
<th>Second Instalment (Rs.)</th>
<th>Total (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition Fee</td>
<td>960.00</td>
<td>960.00</td>
<td>1920.00</td>
</tr>
<tr>
<td>Laboratory Fee</td>
<td>4000.00</td>
<td>4000.00</td>
<td>8000.00</td>
</tr>
<tr>
<td>Course Fee</td>
<td>1000.00</td>
<td>10000.00</td>
<td>20000.00</td>
</tr>
<tr>
<td>Development Fee</td>
<td>1620.00</td>
<td>1620.00</td>
<td>3240.00</td>
</tr>
<tr>
<td>Electricity</td>
<td>360.00</td>
<td>360.00</td>
<td>720.00</td>
</tr>
<tr>
<td>Examination Fee</td>
<td>440.00</td>
<td>440.00</td>
<td>880.00</td>
</tr>
<tr>
<td>Students’ Activities &amp; Welfare</td>
<td>70.00</td>
<td>70.00</td>
<td>140.00</td>
</tr>
<tr>
<td>Ceremonials</td>
<td>30.00</td>
<td>50.00</td>
<td>80.00</td>
</tr>
<tr>
<td>Identify Card</td>
<td>20.00</td>
<td></td>
<td>20.00</td>
</tr>
<tr>
<td><strong>Total=</strong></td>
<td><strong>17500.00</strong></td>
<td><strong>17500.00</strong></td>
<td><strong>35000.00</strong></td>
</tr>
</tbody>
</table>
College Faculties:

**Honorary Monastic Members**

Swami Kamalasthananda Principal

Swami Vedanuragananda, Controller of Examinations

Swami Brahmajnananda, Office Superintendent cum Treasurer

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

Prof. Bhaskar Haldar, M.Sc.

Prof. Kalyan Brata Chatterjee, 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. Chandrakanta Bandyopadhyay, M.Sc., Ph.D. (Head of the Department)

- Prof. Tapas Ghosh, M.Sc., Ph.D.
- 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. Kalipada Pal, (Management appointed)

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

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

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

Sri B. G. Ghosh, B.Sc., G. L. I.

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.

Prof. Sujay Kr. Biswas, M.Sc. Ph. D.

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

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

Prof. Amit Biswas, (Management appointed)

Prof. A. Hore (Management appointed)

Prof. P. Seth (Management appointed)

Prof. P.C.Pal (Management appointed)

Prof. S. Pal (Visiting Faculty)

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 Tarapad Parya, Specimen Collector

Sri Sisir Kumar Das, Specimen Collector

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. Debkumar Datta, M.Sc., Ph.D.
   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. Bulganin Mitra, (Emeritus Professor)

Prof. Pannalal Das, (Management appointed)

Prof. Abhay Shankar Chakraborti (Visiting Faculty)

   Dr. Subhajit Maity (Guest Faculty)
   Dr. Subham Mookerjee (Guest Faculty)
   Sri Partha Bose, Lab. Attendant
   Sri Kanailal Sarkar, Lab. Attendant
Department of Microbiology

Br. Parachaitanya, Co-ordinator (Honorary Monastic Member)

Prof. Anirban Bhar, M.Sc., Ph.D. Joint Co-ordinator

Prof. Avik Kumar Choudhury, M.Sc., Ph.D. Assistant Co-ordinator

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

Prof. Manoj Kumar Chakraborty, (Emeritus Professor)

Dr. Manas Guria (Guest Faculty)

Dr. Debasish Malik (Guest Faculty)

Dr. Sujay Pal (Guest Faculty)

Mr. Avijit Chakraborty (Guest Faculty)

Mr. Soumyadeep Paul (Guest Faculty)
Department of Computer Science

Swami Vedavidyananda, Co-ordinator (Honorary Monastic Member)

Prof. Pravanjan Kumar Rana, M.Sc., Ph.D. (Advisor)

Sri Arijit Sarkar, M. Tech. (Advisor)


Sri Sourav Biswas (Guest Faculty)

Sri Joydeep Kumar Dam (Guest Faculty)
Centre for Professional Studies

Dr. Tuhin Chatterjee, Coordinator

Sri Debabrata Shome, Joint Coordinator

Controller of Examination Office

Swami Vedanuragananda, Controller of Examinations

Br. Parachaitanya, 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

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

Dr. Tuhin Chatterjee, Coordinator

Language Department

Prof. Manas Moulic, M.A.

Library

Sri Rabi Kumar Dey, M.Com, M.L.I.Sc, M.Phil, Librarian

Sri. Pradip Das, Library Attendant

Sri Tanmay Kar, Library Attendant
Office

Sri Goutam Chakraborty, Head Clerk

Sri. Shakti Pada. Dhar, Accountant

Sri Pradip Kumar Roy, Cashier

Sri. Sunirmal Dhar, Office Staff

Sri Diptarup Das, Office Staff

Sri Chimay Mandal Office Staff

Sri. Anup K. Kamath, Office Staff

Sri. Kartik Bagdi, Office Staff

Sri Chiranjib Mondal, Office Staff

Sri Barun Bachar, Office Staff

Sri Saptarshi Chakraborty, Office Staff

Sri Srikanta Bagdi, Office Staff

Sri M. Yadaw, Office Staff

Sri Rajendra Yadav, Office Staff

Sri Debasish Sarder, Office Staff
The goal of mankind is knowledge…. Now this knowledge is inherent in man. No knowledge comes from outside: it is all inside. What we say a man "knows," should, in strict psychological language, be what he "discovers" or "unveils": what man "learns" is really what he discovers by taking the cover off his own soul, which is a mine of infinite knowledge.

.................. Swami Vivekananda