



# **RAMAKRISHNA MISSION VIVEKANANDA CENTENARY COLLEGE**

Rahara, Kolkata 700 118

- ❖ 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



## **Prospectus 2020**

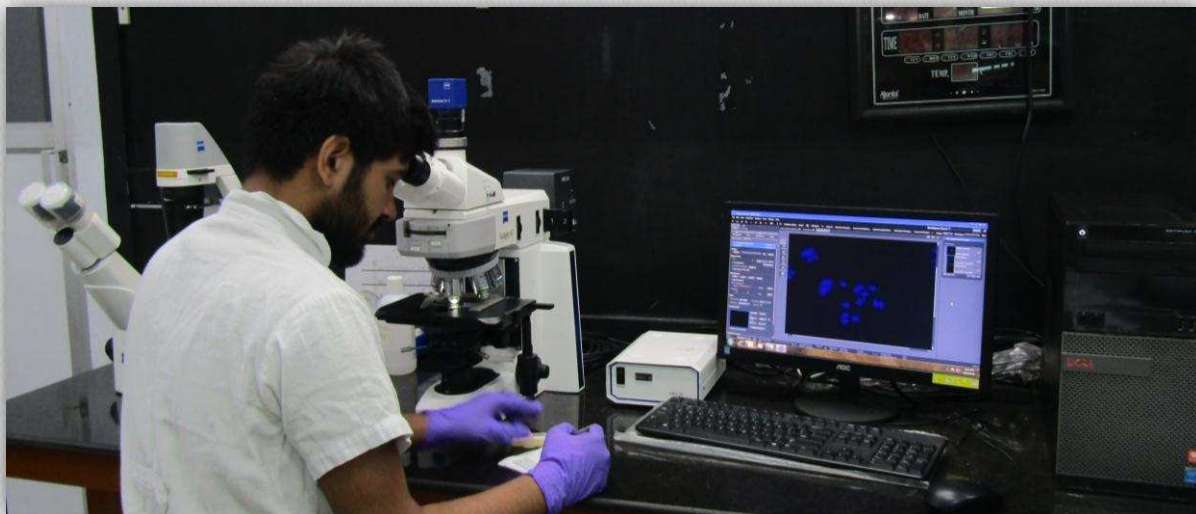




## History:

- 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 service 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 3 years Honours Degree Course, in this college the classes being held from 10-30 a.m.
- 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.
- 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 & 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:

- **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.

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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.
- **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.
- **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

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### B.Sc. Honours

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

- 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.

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

- The College is going to introduce the Post Graduate Course in Zoology from the academic session 2020-21.
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### **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 Certificate 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.

1. **Mushroom Cultivation and Management**
2. **Web Designing for Beginners**

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.	Floriculture and Landscaping
2.	Sports Medicine and Talent Identification
3.	Environmental Protection / Management
4.	Field Study and Environment Education
5.	Yoga for Physical and Mental Health
6.	Communicative English & Language Practice
7.	Robotics & IOT
8.	Physicoinformatics





## 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.

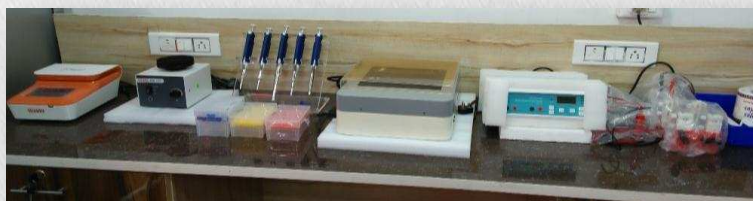






## Infrastructural Facilities

- 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 held (2019-2020)

Sl no.	Date	Seminar & Workshop	Speakers
1.	9 <sup>th</sup> July, 2019	Seminar on 'The Circle Method and its Application'	<b>Prof. Stephan Baier</b> , Department of Mathematics, Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI)
2.	29 <sup>th</sup> July, 2019	Seminar on 'Nuclear Energy - in the service of the nation'	<b>Prof. Amitava Roy</b> , Padma Shri-2018, Raja Ramanna Fellow, Bhabha Atomic Research Centre (Mumbai), Department of Atomic Energy
3.	2 <sup>nd</sup> August, 2019	Seminar on 'Relevance of 125 <sup>th</sup> Anniversary of Swami Vivekananda's Chicago Address'	<b>Swami Bodhasarananda</b> , Assistant General Secretary, Ramakrishna Mission; Belur math
4.	2 <sup>nd</sup> August, 2019	<b>Biome-2019</b>	<ul style="list-style-type: none"> <li>✓ <b>Dr. Urmi Chatterjee</b>, Department of Zoology, University of Calcutta</li> <li>✓ <b>Dr. Arindam Bhattacharya</b>, Department of Zoology, University of Calcutta</li> <li>✓ <b>Dr. Bulganin Mitra</b>, Zoological Survey of India</li> </ul>
5.	2 <sup>nd</sup> August, 2019	Seminar on 'Scope of Microbiology'	<b>Dr. Sukanta Sen</b> , Dept. of Botany, Vishwabharati University
6.	10 <sup>th</sup> August, 2019	Seminar on 'Me or Not Me: Evolving thoughts on the Immune Algorithm'	<b>Dr. Dipyaman Ganguly</b> , Indian Institute of Chemical Biology (IICB), Kolkata
7.	21 <sup>st</sup> August, 2019	Seminar on 'Seminar Safety Drive in journey and Save Life'	<ul style="list-style-type: none"> <li>✓ <b>Sri Manoj Kumar Varma</b>, Commissioner of Police, Barrackpore</li> <li>✓ <b>Sri Ashesh Biswas</b>, IPS, Superintendent of Railway Police, Sealdah GRP District</li> <li>✓ <b>Sri Ananda Roy</b>, IPS, DCP, BKP Zone-N, Barrackpore Commisionerate</li> </ul>



8.	7 <sup>th</sup> September, 2019	Seminar on <b>‘Higher Education &amp; Taekwondo</b>	<b>Mr. Pradipta Kumar Roy</b> <b>Mrs. Ruma Roy</b> Chowdhury, Hall of Fame
9.	11 <sup>th</sup> September, 2019	Seminar on <b>‘Reliability Theory’</b>	<b>Dr. Asok Kr. Nanda</b> , IISER, Kolkata
10.	13 <sup>th</sup> September, 2019	Seminar on <b>‘Programming Language C++’</b>	<b>Sri Koushik Datta</b> , Senior Manager, Mentor Graphics India Pvt. Ltd,
11.	13 <sup>th</sup> September, 2019	Seminar on <b>‘A cross-cutting view of Computer Architecture’</b>	<b>Prof. Ansuman Banerjee</b> , Associate Prof., ISI
12.	17 <sup>th</sup> September, 2019	Seminar on <b>‘The pigeonhole principle and some applications’.</b>	<b>Dr. Sukumar Das Adhikari</b> , Harish-Chandra Research Institute, Prayagraj, Allahabad
13.	17 <sup>th</sup> September, 2019	Seminar on <b>‘Rational Approximations and Transcendence’</b>	<b>Prof. R. Thangadurai</b> , Harish-Chandra Research Institute, Prayagraj, Allahabad
14.	17 <sup>th</sup> September, 2019	Workshop on <b>‘Collection, Characterization and Preservation Methodology for soil-inhabiting Nematoda’</b>	<b>Dr. Debabrata Sen</b> , Zoological Survey of India
15.	18 <sup>th</sup> September, 2019	Workshop on <b>‘Cell &amp; Molecular Biology of Indian Society of Cell Biology’</b>	<b>Prof. Jagat Kumar Roy</b> , Head, Dept. of Zoology, BHU and Former President Indian Society of Cell Biology



16.	18 <sup>th</sup> September, 2019	Seminar on <b>'Introduction to Data Structures and Algorithms'</b>	<b>Prof. Krishnendu Mukhopadhyaya</b> , Indian Statistical Institute (ISI), Kolkata
17.	23 <sup>rd</sup> September, 2019	Seminar on <b>Graph Theory</b>	<b>Prof Sourav Chakraborty</b> , Associate Professor, Indian Statistical Institute (ISI), Kolkata
18.	23 <sup>rd</sup> September, 2019	Seminar on <b>'Voyage through space and time: A wonderer's view of dynamics at small length and time scales'</b>	<b>Prof. Biman Bagchi</b> , Amrut Mody Professor at the Solid State and Structural Chemistry Unit of the Indian Institute of Science (IISC), Bangalore
19.	24 <sup>th</sup> September, 2019	Celebration of International Year of Periodic Table 2019 (IYPT-2019)	<b>Dr. Rajarshi Ghosh</b> , Department of Chemistry, University of Burdwan Prof. Susanta Lahiri, SINP, Kolkata
20.	7 <sup>th</sup> November, 2019	Motivational talk and career counselling	✓ <b>Prof. Shesh N. Rai</b> , Biostatistics and Bioinformatics Facility, JG Brown Cancer Centre Department of Bioinformatics and Biostatistics University of Louisville ✓ <b>Rahul Mhaskar</b> , Director, College of Medicine Office of Research, University of South Florida, Associate Professor, Internal Medicine, Morsani College of Medicine, Associate Professor, College of Medicine Office of Research, Associate Professor, Global Health, College of Public Health, Faculty Director, Research, Innovation & Scholarly Endeavors (Rise)
21.	19 <sup>th</sup> November, 2019	Seminar on <b>Structural Biology</b>	<b>Dr. Ajit Vikram Dutta</b> , Department of Biochemistry, Bose Institute

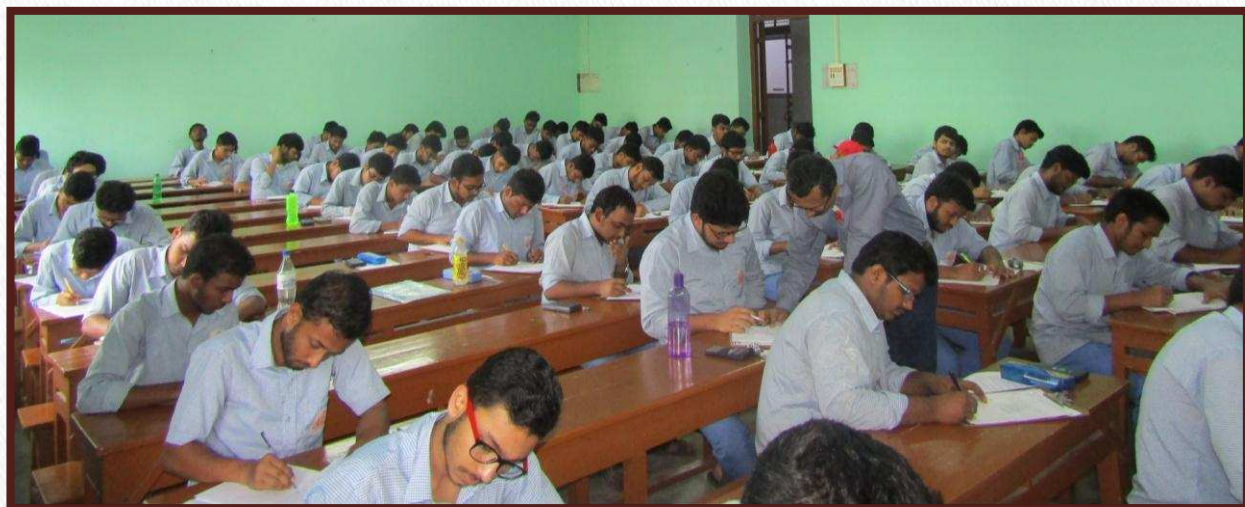


22.	21 <sup>st</sup> November, 2019	World Philosophy Day Seminar: <b>On Swami Vivekananda's Philosophical Ideas</b>	<ul style="list-style-type: none"> <li>✓ <b>Dr. Dilip Kumar Mohanta</b>, Vice Chancellor, The Sanskrit College and University, Kolkata ; Professor of Philosophy, University of Calcutta</li> <li>✓ <b>Br. Buddhachaitanya</b>, Ramakrishna Mission Vivekananda Educational &amp; Research Institute, Belur</li> </ul>
23.	22 <sup>nd</sup> December, 2019	<b>Celebration of National Mathematics Day</b>	<ul style="list-style-type: none"> <li>✓ <b>Prof. Bimal Kumar Roy</b>, Head, R C Bose Centre for Cryptology and Security, Indian Statistical Institute, Kolkata, Founder and General-Secretary, Cryptology Research Society of India</li> <li>✓ <b>Prof. Satyabachi Sar</b> retired Head of the Department of Mathematics, MBB College, Agartala, Tripura</li> <li>✓ <b>Dr. Nakul Parashar</b>, Director, Vigyan Prasar</li> <li>✓ <b>Dr. Parthasarathi Mukhopadhaya</b>, Ramakrishna Mission Residential College, Narendrapur</li> <li>✓ <b>Dr. Mrinal Nandi</b>, West Bengal State University</li> </ul>
24.	29 <sup>th</sup> December, 2019	Seminar on <b>'Planetary Crisis and Human Liberation'</b> Organised by International Society For Inter- cultural Studies and Research (ISISAR) in Collaboration of Ramakrishna Mission Vivekananda Centenary College, Rahara	<ul style="list-style-type: none"> <li>✓ <b>Dr. Glen T. Martin</b>, President of IPPNO, USA Reverend Msgr Theophilus Okere, President, Whelan Research Academy for Religious Culture and Society, Nigeria Shanti (Barbara) Jones, USA</li> <li>✓ <b>Dr. Richard Dale Sharp</b>, USA</li> <li>✓ <b>Dr. Santi Nath Chattopadhyay</b>, India,</li> <li>✓ <b>Jahidul Huq</b>,</li> <li>✓ <b>Maksudul Ahsan</b>,</li> <li>✓ <b>Ahmed Tahsin Shams - Bangladesh</b></li> <li>✓ <b>Varanasi Ramabrahmam</b></li> <li>✓ <b>Tholana, Ezhill Vendan.</b></li> <li>✓ <b>Muniam Alfaker</b>,</li> </ul>



25.	2 <sup>nd</sup> January, 2020	Workshop on <b>Food Safety Training</b>	Dr. Deborshi de
26.	13 <sup>th</sup> January, 2020	Life and teachings of Swami Vivekananda	Chirashree Bandopadhaya
27.	10 <sup>th</sup> February, 2020	Seminar on <b>'Drug repositioning / repurposing: Future drug developmental strategy against viral infections'</b>	Peof. Anirban Basu, National Brain Research Centre, Haryana
28.	20 <sup>th</sup> February, 2020	Seminar on <b>'Imaging and Measuring the Killer Platelet Thrombi and Emboli: Saving patients from myocardial infarct (MI) and Stroke with Rapid Interventions with Thrombolytic Drugs and Device'</b>	<b>Dr. Mrinal K. Dewanjee.</b> Neurobiology, Neuro-degeneration & Repair Laboratory, National Eye Institute, National Institutes of Health, Bethesda, MD 20892, USA
29.	28 <sup>th</sup> February, 2020	Seminar on <b>'Statistics in Human Genetics'</b>	<b>Prof. Partha Pratim Majumder,</b> Distinguished Professor and Founding Director, National Institute of Biomedical Genomics, Kalyani





## 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 form immediately after the publication of the results of the qualifying examination of the Board or Council or University.
- The application form and prospectus can be obtained from the College website during prescribed hours on payment of Rs.400/- only for B.Sc. Course and Rs.500/- only for M.Sc. course.
- In the matter of admission, the decision of the Principal will be final. The names of the candidates selected for admission 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  $\times$  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.

<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. 420/-
College Examination Fee	Rs. 200/-
Library Fee	Rs. 360/-
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.

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## 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 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.
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## 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 10-30 a.m. to 6-15 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.
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## 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 × 70 = 1260000 30000 × 17 = 510000	203	4257900/-
Inspire- Scholarship.	60,000 × 33 = 1980000		
Post Matric.	4500 × 1 = 4500 4320 × 4 = 17280 5820 × 2 = 11640 5620 × 1 = 5620		
Sitaram Jindal Foundation.	1500 × 9 = 13500		
Swami Adi Scholarship Belur Math.	5000 × 10 = 50000		
Chief Minister	10000 × 2 = 20000		
Tution Fee Waiver Stipend from R.K.M.V.C.C.	1320 × 5 = 6600		
Toppers' Academy and Other Stipend from R.K.M.V.C.C.(18)	23300		
Dr. Maitrayee Chakraborty Charitable Trust	8000 × 4 = 32000		
Student's Aid Fund.(1)	30000 × 1 = 3000		



Name of the Scholarship	Amount (Rs)	Total Students	Total Amount (Rs)
R.K.M. Institute of Culture	$3000 \times 1 = 3000$	203	4257900/-
National Scholarship	$10000 \times 2 = 20000$		
Sabitri Devi Memorial Scheme for Book Grant to Poor & Meritorious Students.	$1500 \times 5 = 7500$		
Sister Nivedita Medha Sattva Scholarship (1)	$36000 \times 1 = 36000$		
Abhijit Dutta Merit-cum-Means	$10000 \times 4 = 40000$		
Naresh Chandra Dasgupta Scholarship	$36000 \times 2 = 72000$		
Dipali Dasgupta Scholarship	$36000 \times 2 = 72000$		
Bhutoria Memorial Trust Scholarship	$7000 \times 6 = 42000$		
Bhutoria Lunch Scheme Scholarship	$11000 \times 2 = 22000$		
<b>Total</b>			<b>4257900/-</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 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

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



## College Faculties:

**Swami Kamalasthananda** Principal

**Swami Vedanuragananda**, Controller of Examinations

**Swami Mokshapadananda**, 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. 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. 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**, Joint Co-ordinator

**Prof. Avik Kumar Chaudhury**, Asistant Co-ordinator

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

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

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

**Prof. Manoj Kumar Chakraborty**, (Emeritus Professor)

**Dr. Sujoy Pal**, (Guest Faculty)

**Dr. Somuyadeep Paul**, (Guest Faculty)

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

**Sri Avijit Chakraborty**, (Guest Faculty)





# Department of Computer Science

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

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

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

**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. (Guest faculty)

**Sri Sourav Biswas** (Guest Faculty)

**Sri Joydeep Kumar Dam** (Guest Faculty)





# 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**

# Centre for Professional Studies

**Dr. Tuhin Chatterjee**, Coordinator

**Sri Debabrata Shome**, Joint Coordinator





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

Dr. Tuhin Chatterjee, Coordinator

## Library

Dr. Rabi Kumar Dey, Ph.D. Librarian

Dr. Sudip Biswas, Ph.D., Librarian

Sri. Pradip Das, Library Attendant

Sri Tanmay Kar, Library Attendant

## Language Department

Prof. Manas Moulic, M.A.





# College Office

**Sri Goutam Chakraborty**, Head Clerk

**Sri. Shakti Pada. Dhar**, Accountant

**Sri Pradip Kumar Roy**, Cashier

**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 Shoven Mitra**, Office Staff

**Sri Srikanta Bagdi**, Office Staff

**Sri M. Yadav**, Office Staff

**Sri Rajendra Yadav**, Office Staff

**Sri Debasish Sardar**, Office Staff





Take up one idea. Make that one idea your life - think of it, dream of it, live on that idea. Let the brain, muscles, nerves, every part of your body, be full of that idea, and just leave every other idea alone. This is the way to success.

.....Swami Vivekananda