



WELCOME TO MATHEMATICS DEPARTMENT





WEST SILCHAR COLLEGE

Affiliated to Assam University Silchar.

AND

Provincialised Under Govt. of Assam

BARJATRAPUR , CACHAR, ASSAM.

ESTD:1985

DEPARTMENTAL PROFILE

DEPARTMENT OF MATHEMATICS

Prepared By:

Mathematics Department



DEPARTMENT OF MATHEMATICS



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PROFILE OF THE DEPARTMENT



Mathematics, The Queen of all Sciences, plays a crucial role in understanding ideas and problems in real life, and leads the learner to become an expert at answering. As such, we have our continuous sincere efforts to inculcate critical thinking and logical reasoning to facilitate life-long learning as is spelt out in the vision and the mission of our department.

We also have plans to transform our curriculum from being purely classroom based instructions to experimental learning in the laboratories providing easy access to IT facilities. Our teaching-learning process focuses to cater and address the unique needs of our students. In keeping with our vision and mission of collective progress,



we encourage peer learning in the classrooms which includes mental respect and responsible exercise of freedom among the students.

One of the best practices undertaken by the department is trying out visits to students' homes to get to know their families better. We find that home visits help us get to know families and use that information to connect with our students. Home visits also help parents learn about the college curriculum and make parents comfortable to ask questions. By developing positive rapport, we can develop a partnership with parents in support of student enrolment and student learning also.



Mention may be made of another regular best practice in the form of Mathematics Competition organized by the Mathematics Department every year at the time of Annual College Festival to inspire the students to become good at Mathematics. By then hopefully an interest of the students in the underlying activity has developed. Beyond encouraging an interest in Mathematics, contests help prepare students for competition.

We conduct our in-house departmental activities with the objectives of promoting leadership, confidence, team work and moral ethics, thus making them holistic human beings.



The department of Mathematics at West Silchar College came into existence in 1985 with the introduction of Mathematics course in three-year B.A. Course. Initially there was yearly examination system in undergraduate course under the Gauhati University. The students had to appear for part I (B.A. 1st year and 2nd year) and part II (final year) examination. With the inception of Assam University, Silchar in the Year 1994, West Silchar College came under the domain of Assam University when it was on the verge of obtaining affiliation to Gauhati University. After that the College followed 1+1+1 pattern degree course introduced by our parent university (Assam University). But in the Academic session 2010-11, the affiliating Assam University introduced semester system for UG course in which the students had to appear for one sessional examination and one final examination in a semester. From the session 2018-19, the University again introduced CBCS (Choice Based Credit System) for all the undergraduate courses. Since then West Silchar College has been following this CBCS undergraduate programme . The Department offers degree in Pass course in semester mode and follows the grading system as introduced by Assam University. Of course, currently the department is following FYUG Programme under NEP 2020 (Four Year Undergraduate Programme under New Education Policy 2020).



The department has competent faculty members who possess wide knowledge in pure and applied Mathematics. The department has come a long way in pioneering its own domain conjointly facing a variety of odds and challenges.

The department focuses on the professional development of its students by providing opportunities to choose their software industry and higher education in various fields of Mathematics. We, the faculty members, are deeply and dedicatedly involved in overall development of the students and the department as well to the best of our abilities and capacities.

UNIQUENESS OF THE DEPARTMENT



The uniqueness of the department of Mathematics lies in the tradition of occasional visit of the faculty members to students' homes, as part of professional ethics, to get to know their families better for the benefit of the department. The department has also formed a habit of visiting nearby schools and stakeholders to develop a mutual bonding with them in the interest of the enrollment of the students and of the development of the department also.

BEST PRACTICE OF THE DEPARTMENT



One of the best practices of the department is its regular conduction of Mathematics Competition every year on occasion of ‘Annual Social Week’ organized by the College.

VISION AND MISSION OF THE DEPARTMENT



- **To be a leading Mathematics Department in the District of Cachar.**
- **To emerge as a well recognized centre of learning, academic excellence and innovative research and as a locally relevant platform through its role in the development of the community it serves.**
- **To keep the flames of Mathematics burning even in rural West Silchar area and resource less environment by including Mathematics.**



Mission

- **To impart quality mathematics education and instill the spirit of research through innovative teaching and research methodologies.**
- **To achieve high Standards of excellence in generating and propagating knowledge in Mathematics. Department is committed to providing an Education that combines rigorous academics with joy of discovery.**
- **To provide an environment where students can learn, become competent users of Mathematics, and understand the use of Mathematics in other Disciplines.**

OVERVIEW OF THE DEPARTMENT



Department of Mathematics:

- **Year of Establishment** :1985
- **Name of Programmes/Courses offered:** UG (B.A. General)
- **Evaluation system** : Semester
- **Number of Teaching Posts** :03
- **Designation** : Assistant Professor
- **Available** : 03
- **No. of Sanctioned Posts** : 01
- **No. of Non-Sanctioned Posts** : 02



Faculty profile with name, qualification, designation and experience

NAME	QUALIFICATION	DESIGNATION	NO. OF YEARS. EXP.
Mr. Siba Gopal Sinha	M. Sc.	Assistant Professor	23 Years.
Mr. Masharul Bari	M. Sc.	Assistant Professor	22 Years.
Mrs. Momotaz Begum Barbhuiya	M. Sc., M. Phil.	Assistant Professor	18 Years.

DETAILS OF STUDENTS ENRICHMENT PROGRAMMES

- 1. MoU of the department of Mathematics, West Silchar College was signed with the department of Mathematics, M.C. Das College, Sonai on 18th December 2019.**
- 2. MoU of the department of Mathematics, West Silchar College was signed with the department of Environmental Science, Satya Ranjan College, Kalain on 3rd December 2019**
- 3. Faculty exchange programmes of the department of Mathematics, West Silchar College, with the department of Environmental Science, M.C. Das College, Sonai, were undertaken on 11-03-2022 and 10-05-2022.**
- 4. Faculty exchange programmes of the department of Mathematics, West Silchar College, with the department of Environmental Science, S.R. College, Kalain, was undertaken on 19-03-2022 and 15-06-2022.**



- 5. Some Students of the department of Environmental Science, with the initiative of the teachers of the Mathematics department, went on an educational excursion to Shillong in the session 2017-18.**
- 6. Some students of the department of Environmental Science, with the initiative of the teachers of the Mathematics department, went on an educational tour to Khaspur in the session 2019-20.**
- 7. Some students of the department of Environmental Science visited North Eastern Hill University,(NEHU) Shillong in 2018 with the initiative taken by the department of Mathematics**



- 8. Students of the department of Environmental Science often participate, with the initiative and active involvement of the teachers of the Mathematics department, in various sports competitions at different levels as and when organized and invited for.**
- 9. Many of the students of the department of Environmental Science, with the initiative of the Mathematics teachers, regularly participate in various activities/events organized by the college on different occasions.**
- 10. The department organizes counseling programme for the intending students for admission to 1st semester class every year.**



- 11. The department has its active involvement in organizing cleanliness drive of the College successfully**
- 12. The department has its involvement in observation of 'Bhasa Shahid Diwas' on 19th May every year.**
- 13. The department organizes talks and discussions on the burning issue of enrollment of students in the Mathematics department.**
- 14. The department also involves in the matter of enhancement of quality among the students.**



The following is a brief analysis on strength, Weakness, opportunities and challenges (SWOC) of the department.

Strength:

The department has talented and dedicated faculty members. Coordination among faculty members and students is another strength of the department.

Weakness:

The enrolment of the department is very poor. Most of the students of the college do not have Mathematics at their higher secondary level. And hence, most students of the department are first generation learners. Another weakness of the department is the position of being two non-sanctioned posts out of three Govt. concurred posts. Weak socio-economic background of the parents of the student also stands on the way of desired success of the department.



Opportunities:

Continual efforts are on to increase the enrolment of the department. There are productive thoughts and systematic plans of the department to enhance the quality of the students by giving them opportunities of interaction with the faculty members individually and collectively by means of special classes also.

Challenges:

The placement of the output in different government and non-government sectors and self-employment is one of the main challenges before the department. High concentration of the Students in Mathematics is another challenge before the Department



Objectives:

To have a genuine comprehension of Mathematics as a logical basis for scientific thinking.

To study abstract mental concepts and interpret them in the real world of physical systems.

Future Plans:

Considering needs of the present generation we have to adopt technologies to reach in the newer heights so that our students can cope-up with other students of various institutions in India and abroad. Keeping in view the poor Enrollment of the students, we are duty-bound to think over the issue of serious concern and chalk out a well-thought-out strategy and act accordingly by putting in our best to increase the enrolment of the department to the highest possible extent for all the best of the department and the college as well .

PHOTOS OF DIFFERENT ACTIVITIES OF THE DEPARTMENT





















THANKS
FOR
WATCHING