

Department of Chemistry



Chemistry Lab with different solutions



Score Card of IIT JAM-2024
Madhumita Das, 2023-2024 batch



JAM 2024
Joint Admission test for Masters

SCORE CARD



Organizing Institute
IIT MADRAS



Madhumita Das

CANDIDATE'S DETAILS

Name : **MADHUMITA DAS**
Parent's/Guardian's Name : **DEBABRATTA DAS**
Registration Number : **CY406F060**
Test Paper (Code) : **Chemistry (CY)**

CANDIDATE'S PERFORMANCE

Marks Scored (out of 100) : **58.00**
All India Rank : **235**
Number of Candidates Appeared in the Test Paper : **14340**

CUT-OFF MARKS*

GEN : **25.38**
GEN-EWS/OBC-NCL : **22.84**
SC/ST/PwD : **12.69**

* A candidate is considered to be in the merit list if the marks scored are greater than or equal to the cut-off marks mentioned for the category, for which a valid category certificate, if applicable, must be produced along with this Scorecard.

22 March 2024


Prof. Sureshkumar Rayala
Organizing Chairperson, JAM 2024

Digital Signature: **7602d6b00d49719b8d8dbb3f7560c4c2**

- This Scorecard is being issued to facilitate eligible candidates to apply for admissions for the academic year 2024-2025 ONLY.
- Candidates interested in admission to various academic programmes at IITs must apply through the JOAPS portal, <https://joaps.iitm.ac.in>.
- The application form for admission must be submitted ONLINE during the stipulated period with all the necessary documents. Applications that are complete in all respects and submitted within the deadline only will be considered for seat allocation.
- Applicants will be made offers based on their rank, their preferences, and the number of seats available at the Admitting Institute(s). Applicants must also satisfy the Eligibility Requirements (ERs) and Minimum Educational Qualifications (MEQs) of the programmes(s) set by the Admitting Institutes. The fulfilment of ERs & MEQs is decided by the concerned institute offering the programme. The Admitting Institute has the final right to accept/reject the applicant.
- Applicants are advised to read the JAM 2024 Admission Brochure available at <https://jam.iitm.ac.in> for latest updates on ERs, MEQs, seat matrix, and other relevant information. Candidates should note that being on the merit list of a test paper neither guarantees nor entitles admission.
- The authenticity of this Scorecard may be verified with the GATE-JAM office, Indian Institute of Technology Madras, Chennai, Tamil Nadu - 600036, until August 31, 2024. No person or Institute is authorized to use the Scorecard without the explicit prior permission of the Organizing Chairperson, JAM 2024.

About the Department

Department of Chemistry started its journey in the year 1984 by offering B.Sc (General) Course aiming to inspire education among women candidates. Afterwards, Honours course in Chemistry was introduced in 2000. Initially, Department of Chemistry was affiliated to Burdwan University. Later it came under Kazi Nazrul University, Asansol from 2014-15 academic sessions. From the beginning, Chemistry department has encouraged their students to enhance the moral quality so that they can explore different fields with a global view, ethics, and professional practices.

From 2016-17 sessions, B.Sc (Hons & Program) in Chemistry following CBCS curriculum distributed in six semesters has been started. From 2023-24 session, 4 year B.Sc (Hons./Hons. with Research) and B.Sc. (3 year UG Degree Program) has been started as directed by UGC, Govt. of India and as adopted by Dept. of Higher Education, Govt. of West Bengal to implement National Curriculum and Credit Framework (NCCF).

The Department has three well equipped Laboratories having almost all sorts of equipment's and chemicals required to perform practical experiments as prescribed by the University from time to time. Labs are equipped with **distilled water plant, pH meter, centrifuse machine, hot plate, digital potentiometer, conductivitymeter, refrigerator, colorimeter, UV-Vis digital spectrophotometer, Digital balance, computer, printer.**

In addition to the central library, the **Departmental Library has a good number of textbooks and reference books.** A considerable number of honours graduates from our department opt to study Post Graduate courses and started research career in different universities and institutes. A good number of students are working as teachers in different Colleges, Govt. aided and private schools. Some of them are also working in banking sectors as well as in different Govt. departments. Students of our Department have taken part in different science events organised by various organisations/institutions and performed well. At present the Department has 05 faculty members and 01 Laboratory attendant. The faculty members are actively engaged in teaching as well as research activities. Good number of papers has been published by them in different reputed national and International Journals. Eminent chemistry teachers and scientists have visited our department in various occasions and also as resource persons in different seminars organised by our department during the past few years.

Faculty

Neena Bhadra Bishnu



Laboratory Attendant

Arpita Bid



SACT

Sumana Mete



SACT

Jiko Raut



SACT

Dr. Gargi Pal



Assistant Professor

Dr. Mukta Singsardar



Assistant Professor

Infrastructure:

- **Departmental Library:** There is a well-maintained Departmental Library of around 85 text and reference books, from which students can borrow books as required. One computer room with internets for online reading of the Departmental students as well as teachers.
- **Laboratory:** Total three (03) laboratories to perform Qualitative, Quantitative, and Physical Chemistry Experiments.
- **Instruments:** Labs are equipped with chemicals (for B.sc), available glass materials, distilled water plant, pH meter, centrifuse machine, hot plate, digital potentiometer, conductivitymeter, refrigerator, colorimeter, Digital balance etc.

Testimonials

- Myself Swati Tibriwala. I am currently appointed as a JEE/NEET faculty in Avanti Fellows currently posted at JNV kohima). I have done my bachelors from Durgapur women's college in the year of 2019 to 2022 in chemistry and completed my masters from NIT Manipur in the year of 2022 to 2024. I was also a summer research intern at IISER Mohali. I would like to thanks all the professors of my college who believed in me and my Capabilities and always pushed me to do better in my life. The most important thing that i would like to mention that here professors are very friendly as well as supportive. They always try to grow with the time and adapt new technology and methodologies. After passing out also they guided me and helped me to choose the best for me. Swati Tibriwala (Chemistry faculty, Avanti Fellows)
- Hi, I'm Purabi Ghosh. I completed my B.Sc. (Hons) in Chemistry from Durgapur Women's College (2018-2021) and went on to earn a master's degree in Chemistry, specializing in Organic Chemistry, from Kazi Nazrul University. Currently, I'm a Science and Math tutor at Mentor Match, with a deep focus on Chemistry. I find great joy in helping students break down complex concepts and develop a genuine understanding of the subjects I teach. I'm incredibly grateful to my professors, whose unwavering support and guidance shaped my journey. I always look forward to reconnecting with them, knowing that their wisdom and advice will continue to inspire me as I move forward in my career. Purabi Ghosh, Academic specialist at MM.

Research Activities

1. Dr. Mukta singsardar is engaged in research in the field of Development of new methods for the synthesis and functionalisation various heterocycles, etc. since 2016.
2. Dr. Gargi Pal is engaged in research in the field of Efficient Synthesis of Functionalized Heterocycles.
3. Dr. Jiko Raut is engaged in research in the field of Carbon Quantum Dots, Quantum Dots, Analytical Chemistry, Drug Delivery System and Molecular Recognition.
4. Ms. Sumana Mete in perusing her Ph.D. work form Dept. of Chemistry, Visva Bharati University, Santiniketan.

5. Ms. Arpita Bid is pursuing her Ph.D work from Dept. of Chemistry, Visva Bharati University, Santiniketan and published good number of research papers in the field of Physical Chemistry.

6. Cocurricular/Extracurricular

1. The Department of Chemistry became Departmental Champion in the Intra College Quiz Competition, 2023.
2. The Department of Chemistry became Champion in the Wall painting Competition, 2023.
3. The Department of Chemistry became 2nd position holder in the college sport Go as you like Competition 2023.
4. The Department of Chemistry became 1st position holder in the debate Competition and 2nd position holder in the poster making competition programme held in 05th September, 2024.
5. Students of this department excels in different Intra College cultural competitions/programmes

Future Plans for the Department

1. To construct one workshop for minor repair works of all the science laboratories of the college.
2. To start M.Sc Course in Chemistry.
3. To make a research laboratory so that B.Sc (Honours with Research) course can be implemented in a true spirit.
4. To submit research proposal and undertake research projects as sponsored by different Govt. agencies.

Courses

Semester wise 3-Year B.Sc. Honours Course (under CBCS)

Intake Capacity: Hons. -20 (UR-10; EWS-2; SC-4; ST-1; OBCA-2; OBCB-1)

Semester wise 3-Year B.Sc. Program Course

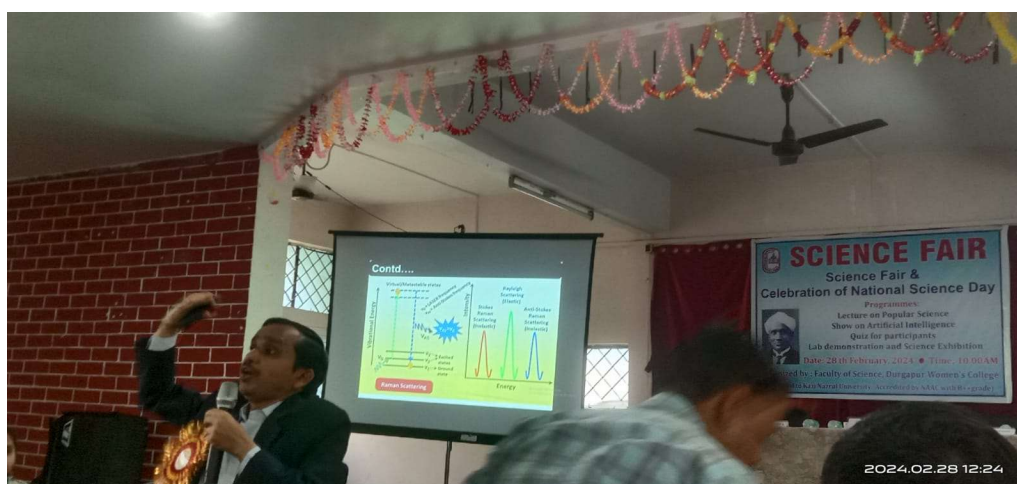
Semester wise 3-Year B.Sc. Generic Elective Course

Semester wise 4-year B.Sc. (Chemistry) Honours Degree Program

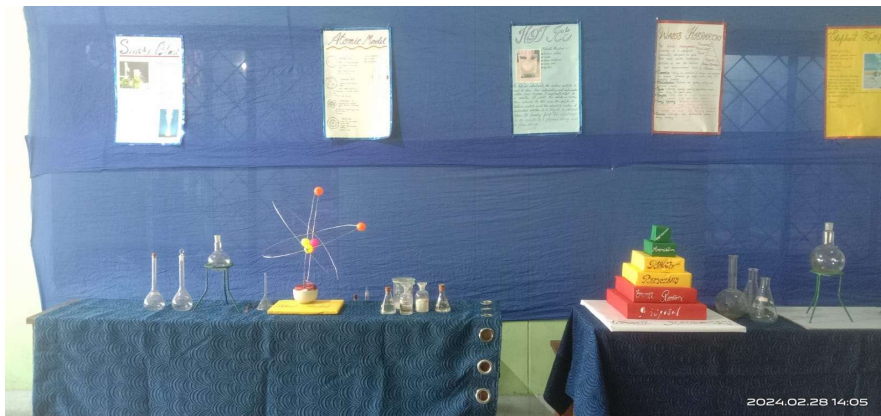
Semester wise 4- Year B.Sc. (Chemistry) Honours with Research Course

Semester wise 3- Year B.Sc. Degree Program (under NCCF)

Science Day Celebration:



Science Day Celebration: Model Presentation



Laboratory Visit by School students:



Departmental Exhibition:





Faculty Exchange Programme: Dr. Bisweswar Banerjee, TDB College Raniganj



Model Presentation by DPS in the Science Programme:



Farewell Programme-2024:





Wall Painting: 1st Position Department of Chemistry



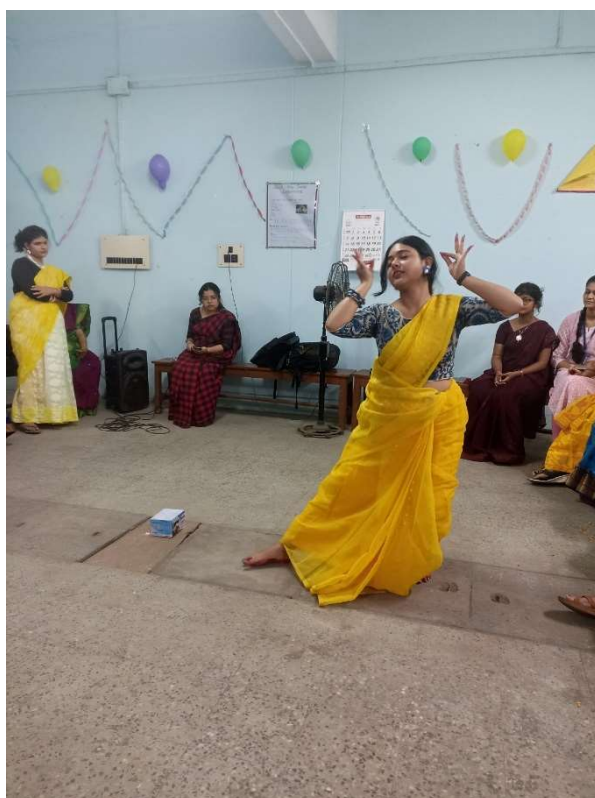


Our Pass out Students



Farewell Programme-2023:





Departmental Magazine 2024



Our students



1st Position in Quiz Contest

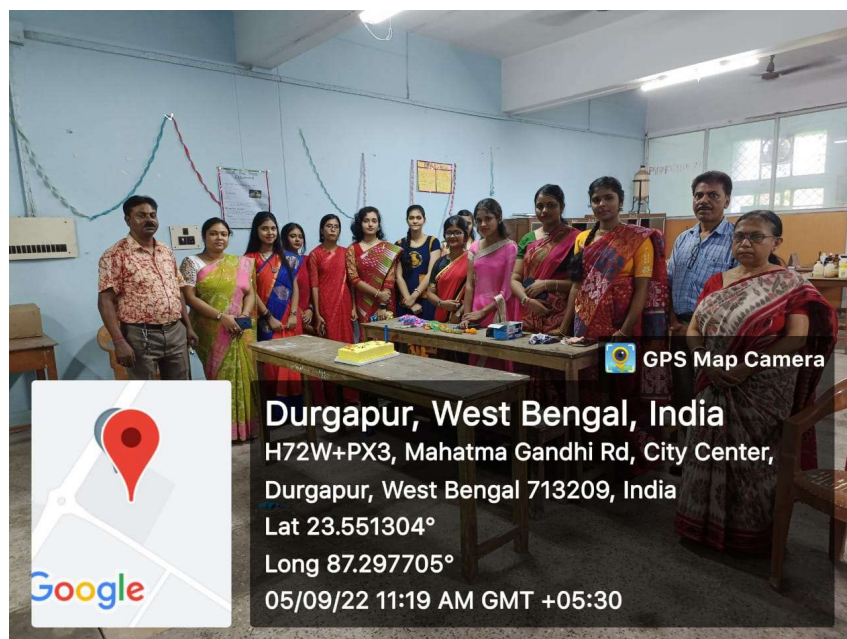
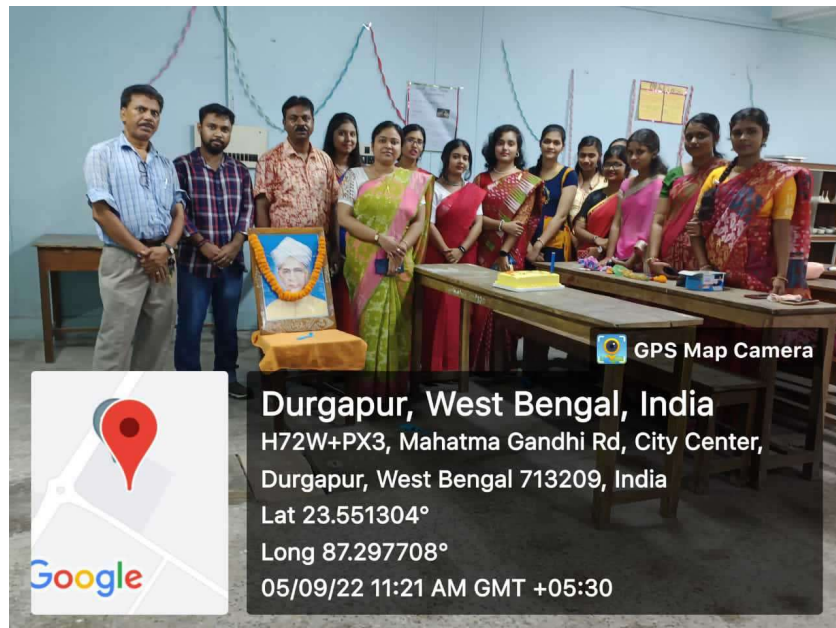




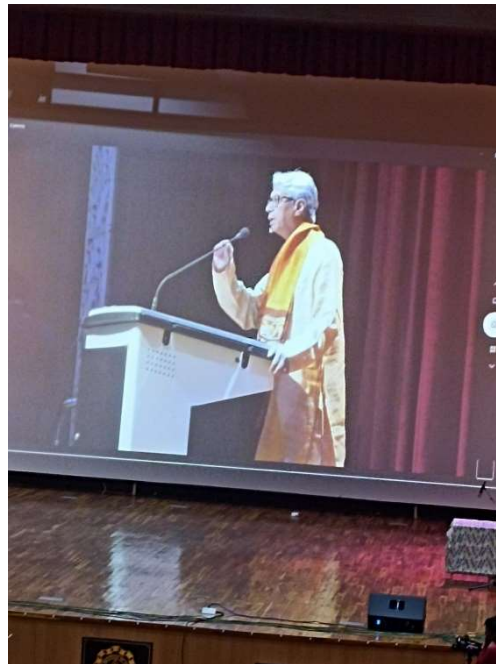
2nd Position in Quiz Contest



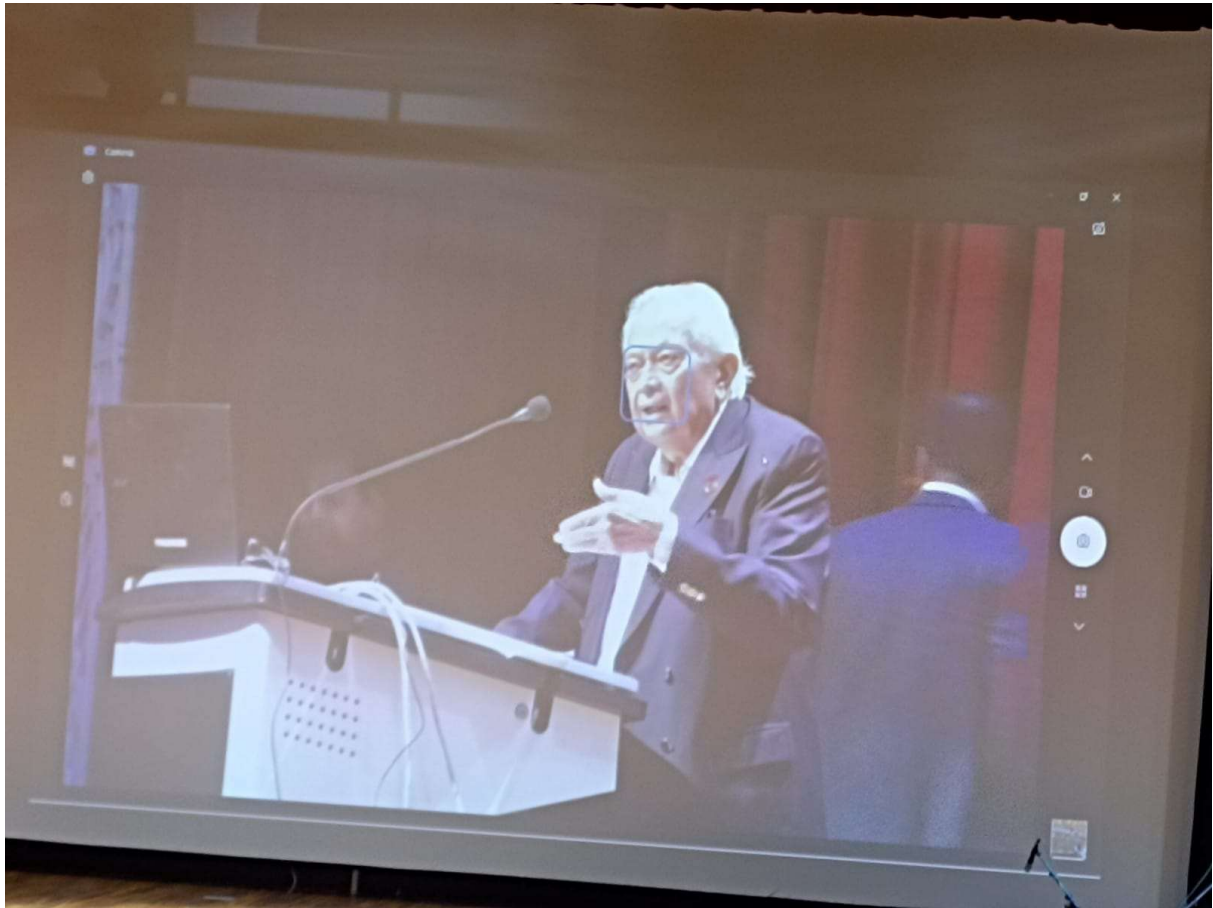
Teachers Day Celebration:



Outreach Programme: Participation of seminar at NIT Durgapur









Students' seminar:







Online Reading:

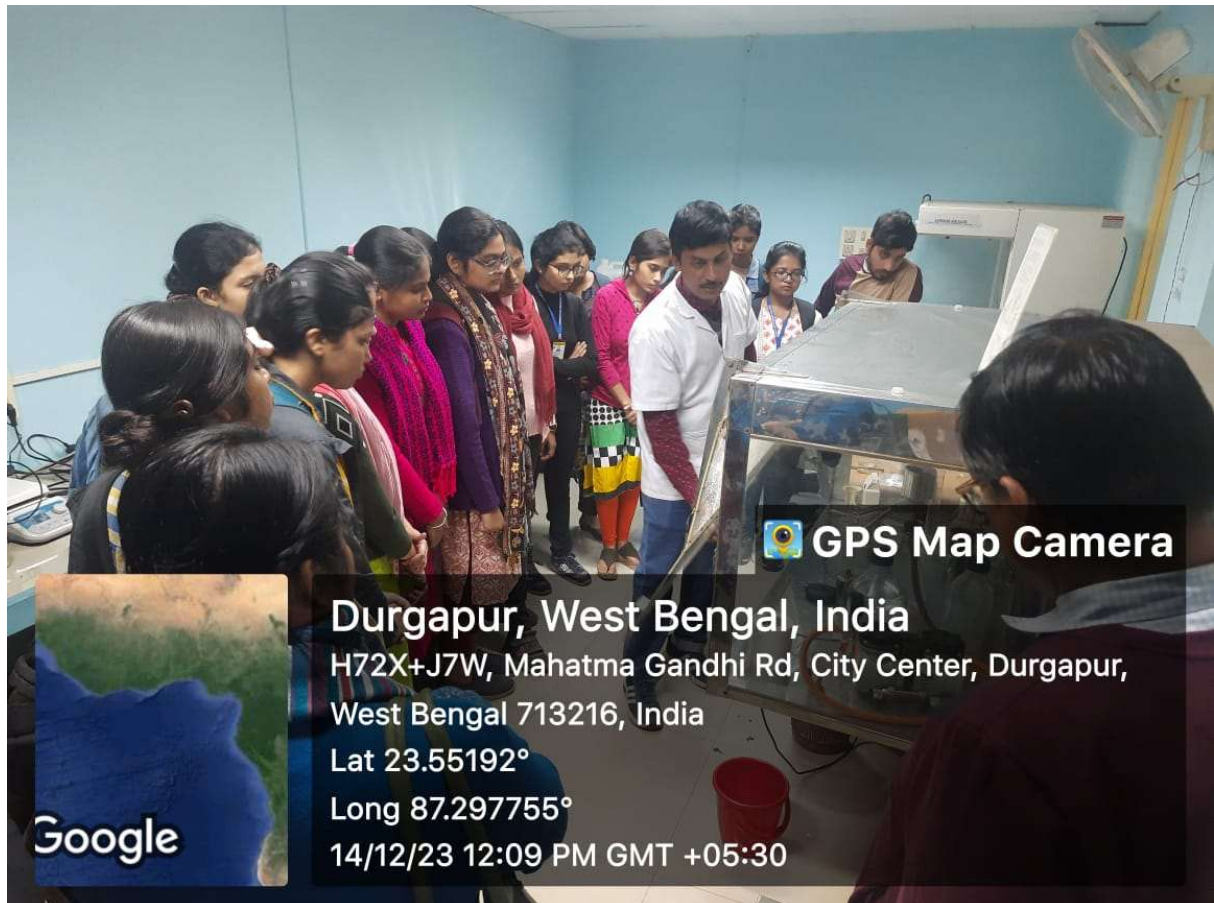


College Programme:



Lab Visit CMERI, Durgapur:





 **GPS Map Camera**

Durgapur, West Bengal, India

H72X+J7W, Mahatma Gandhi Rd, City Center, Durgapur,
West Bengal 713216, India

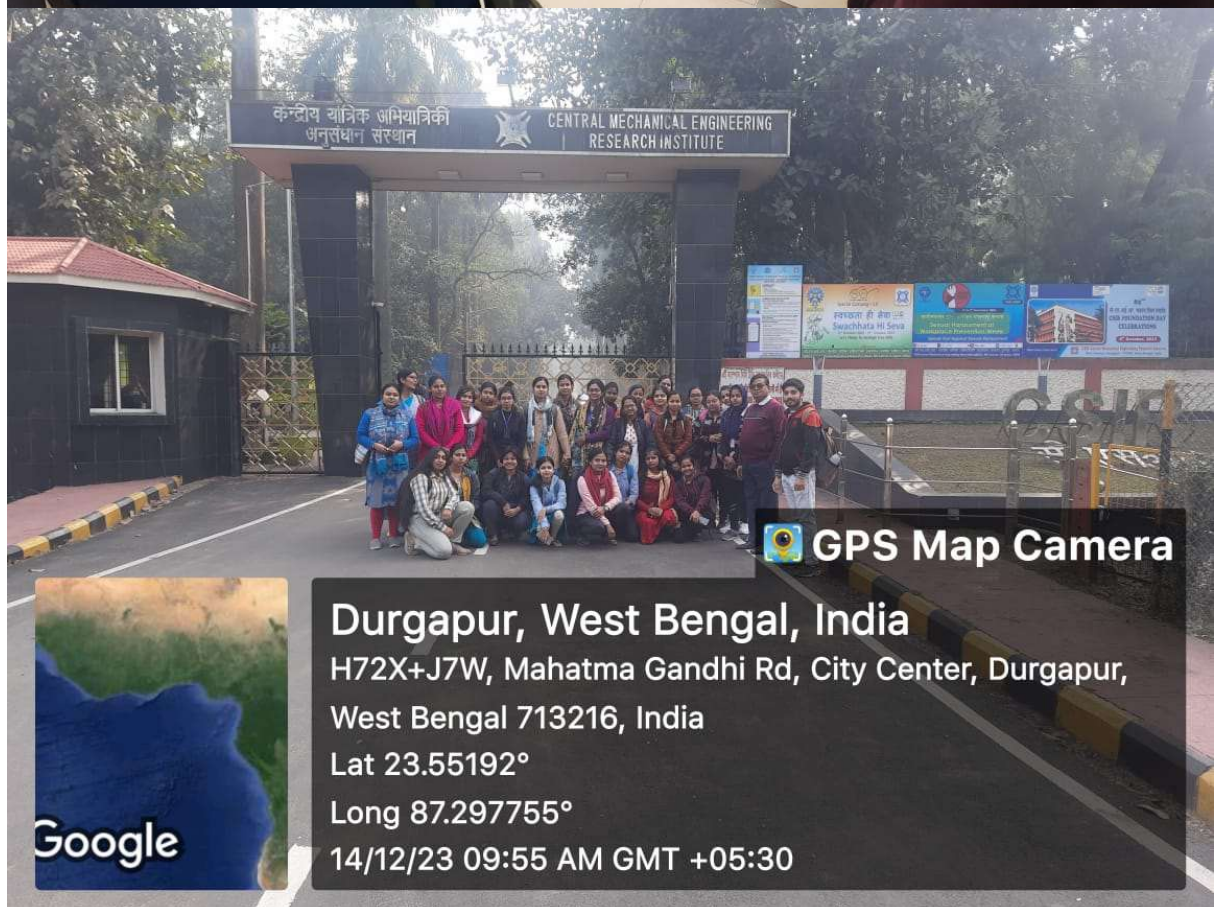
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Long 87.297755°

14/12/23 12:09 PM GMT +05:30



Google



 **GPS Map Camera**

Durgapur, West Bengal, India

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West Bengal 713216, India

Lat 23.55192°

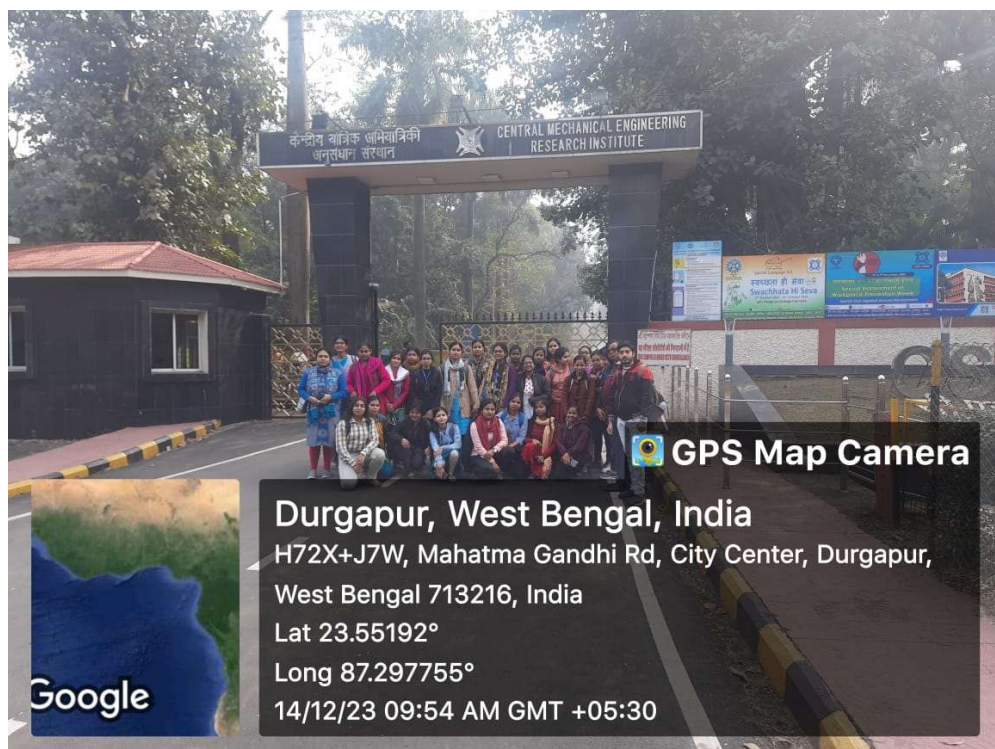
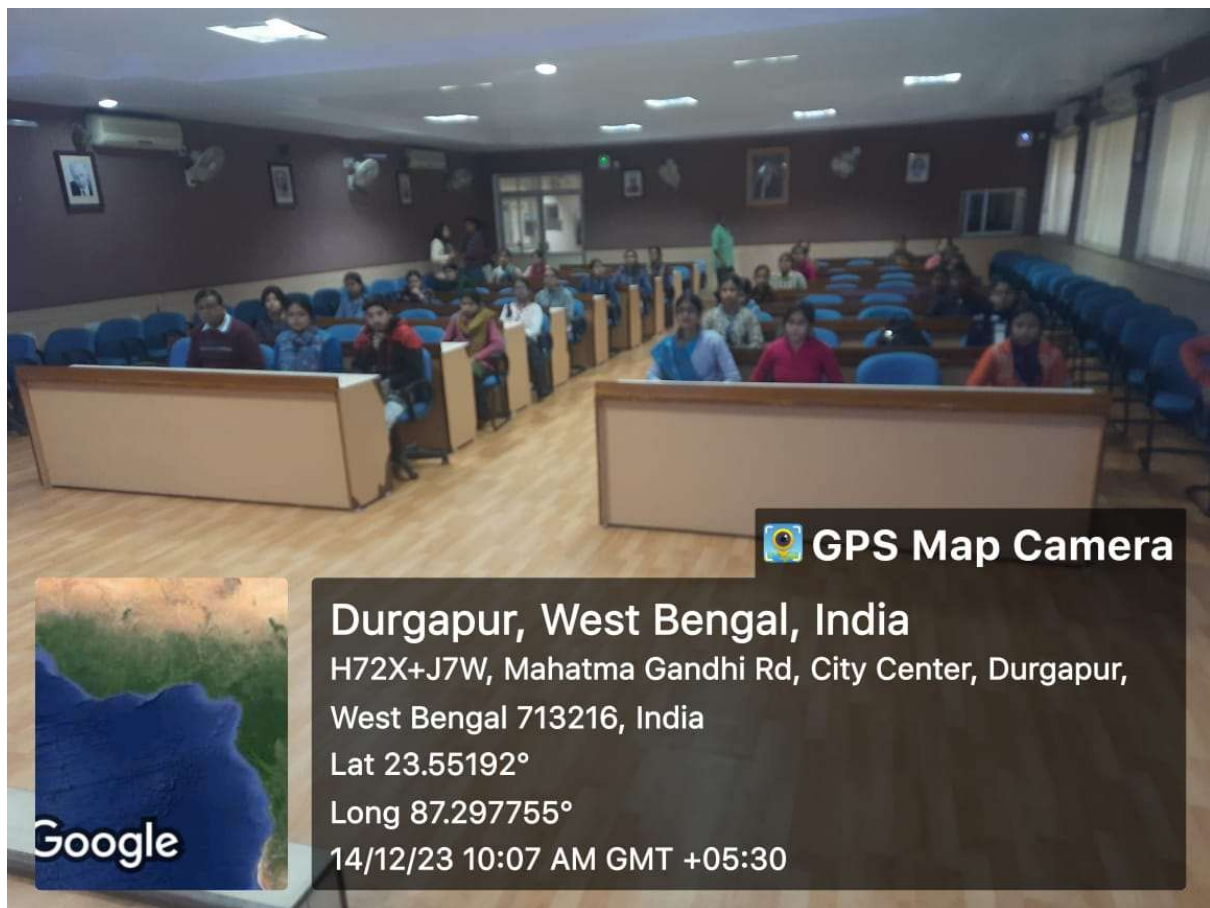
Long 87.297755°

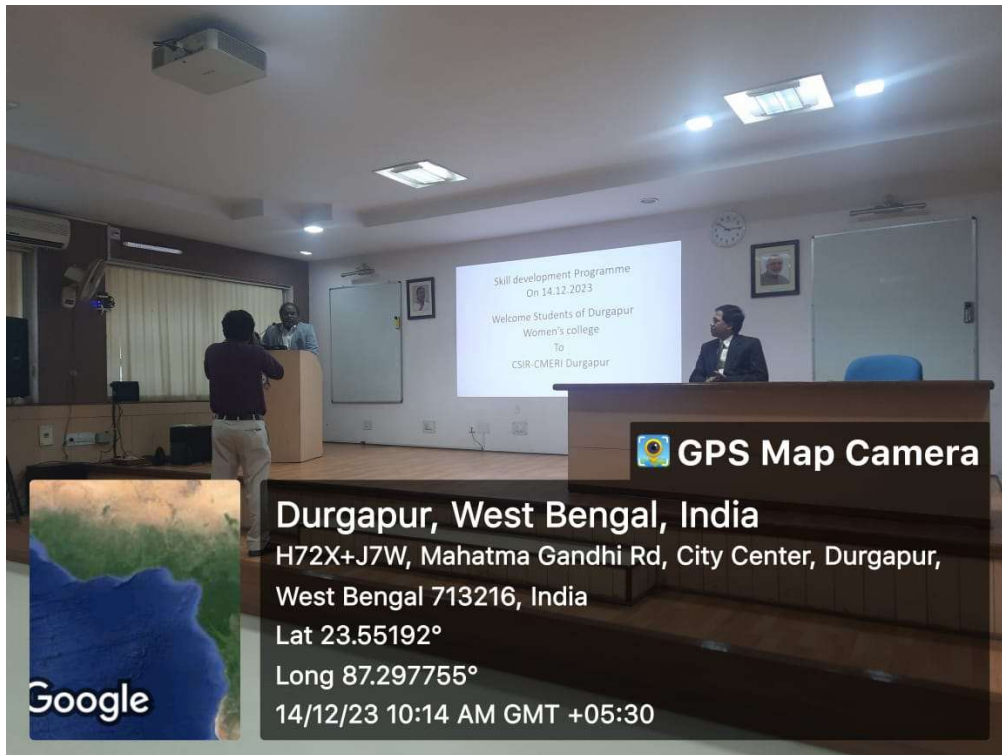
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Google

Seminar Participation at CMERI, Durgapur:





Skill development Programme
On 14.12.2023
Welcome Students of Durgapur
Women's college
To
CSIR-CMERI Durgapur

 **GPS Map Camera**



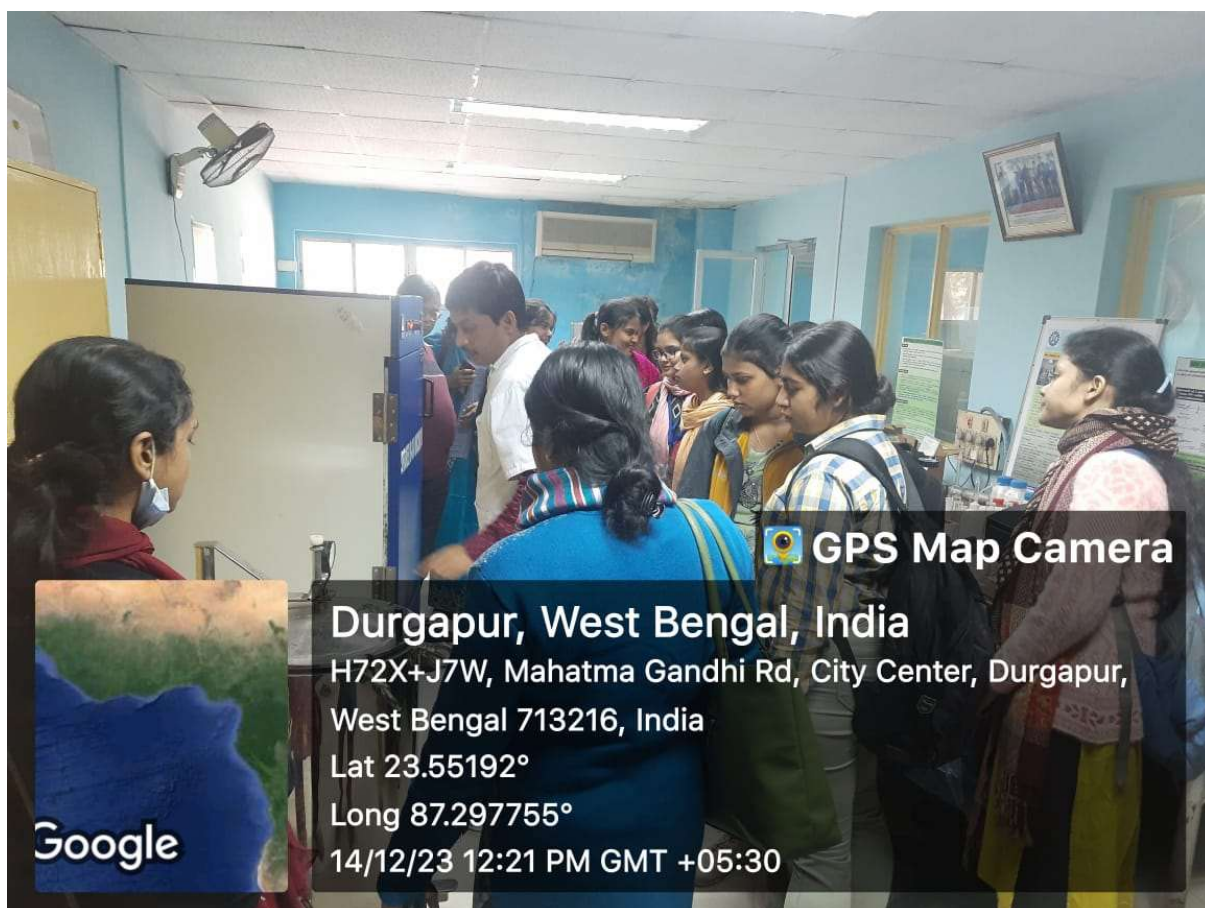
Durgapur, West Bengal, India

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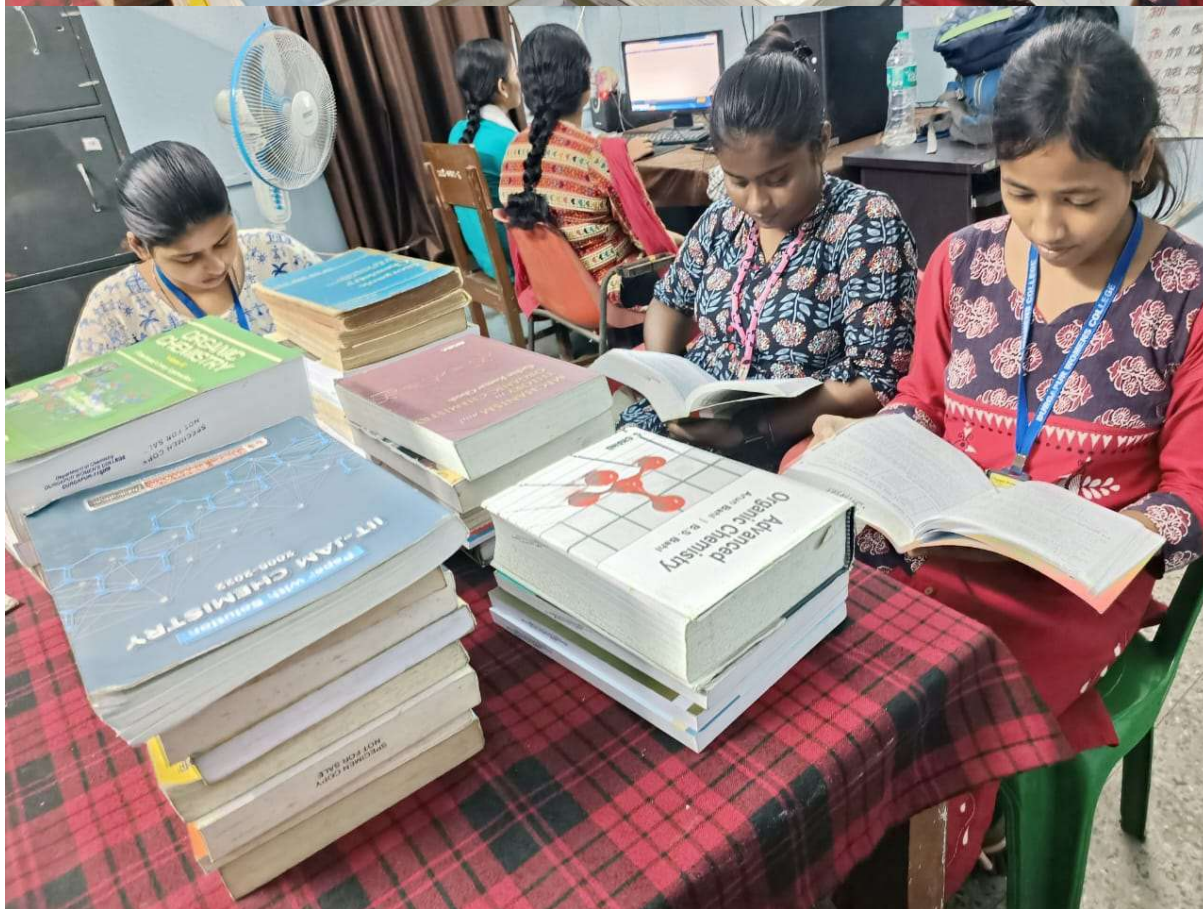
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Departmental Computer Room:



Departmental Library:





Departmental Magazine Board



ICT Classes

