**Slow and Advance Learners from the Department of Computer Science and Engineering**

**Slow learner students:** The students scoring less than 40% marks in first internal are marked as slow learners.

Out of the 55 fourth-year (2021-2025 Batch) CSE students, 16 have been classified as slow learners. There are 71 students enrolled in the third year of CSE (2022-2026 Batch), and 14 of them have been classified as slow learners. In a similar vein, 10 out of 60 second-year CSE students (2023-2027 Batch) are classified as slow learners.

## Slow Learners

■ 2nd Year  ■ 3rd Year  ■ 4th Year

26%

30%

44%
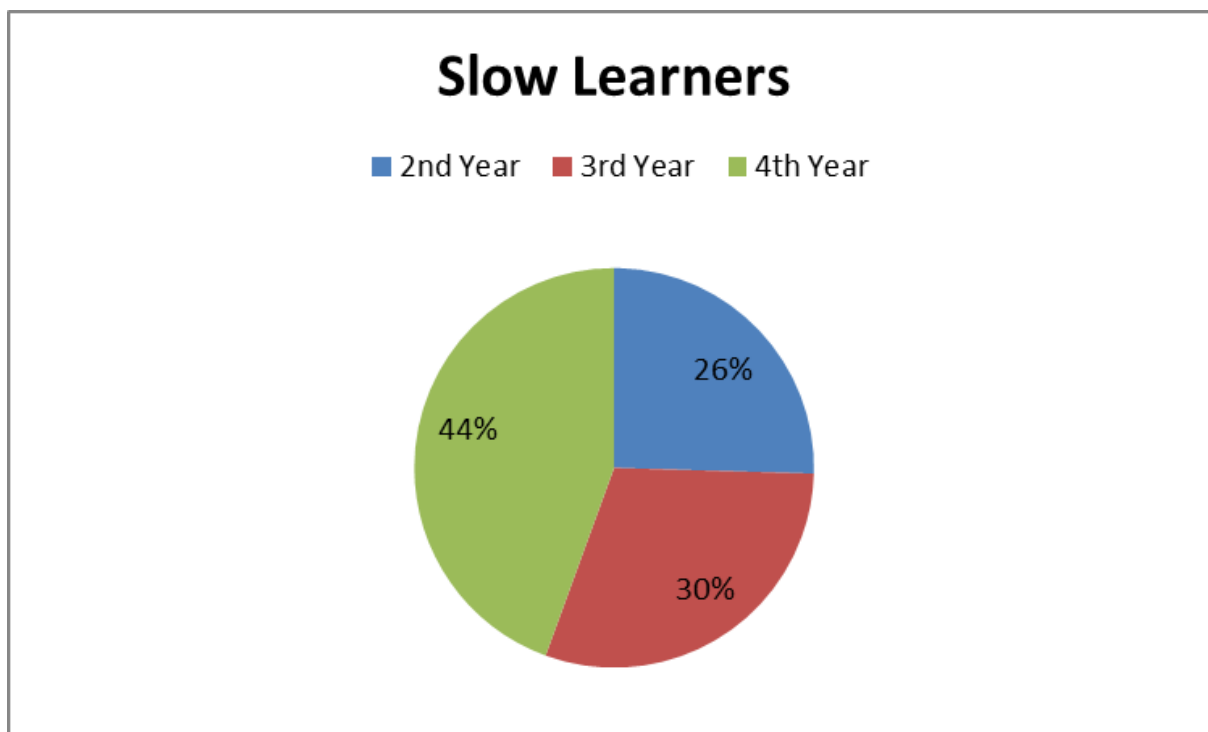
**Action Taken for Slow Learners**

- **Extra Classes:** Conducting extra classes for the difficult subjects in the curriculum.
- **Remedial Classes:** Conducting regular remedial classes to provide extra support and attention to slow learners.
- **Personalized Assistance:** Assisting students in their weak areas and suggesting ways to improve their performance.
- **Revision and question bank:** Faculty members also revise difficult topics based on students' requests and provide question banks to practice.

**Action Taken for Slow Learners**

Department organized an webinar on *Physical and Meta-Physical Methods for Maximizing Exam and Life Score* as action taken for slow learners.





Dr. Goutam Paul, Indian Statistical Institute (ISI) Kolkata delivered a session on *Physical and Meta-Physical Methods for Maximizing Exam and Life Score*

**Advance learner:** The students scoring higher than 75% marks in first internal are marked as advance learners.

Of the 55 students enrolled in the fourth year (2021-2025 Batch) of CSE, 17 have been classified as advance learners. Fifteen individuals are classified as advance learners out of the 71 students enrolled in the third year of CSE (2022-2026 Batch). Eighteen out of 60 students in the second year of CSE (2023-2027 Batch)  are classified as advance learners.

## Advance Learners

■ 2nd Year   ■ 3rd Year   ■ 4th Year

- 38%
- 36%
- 26%
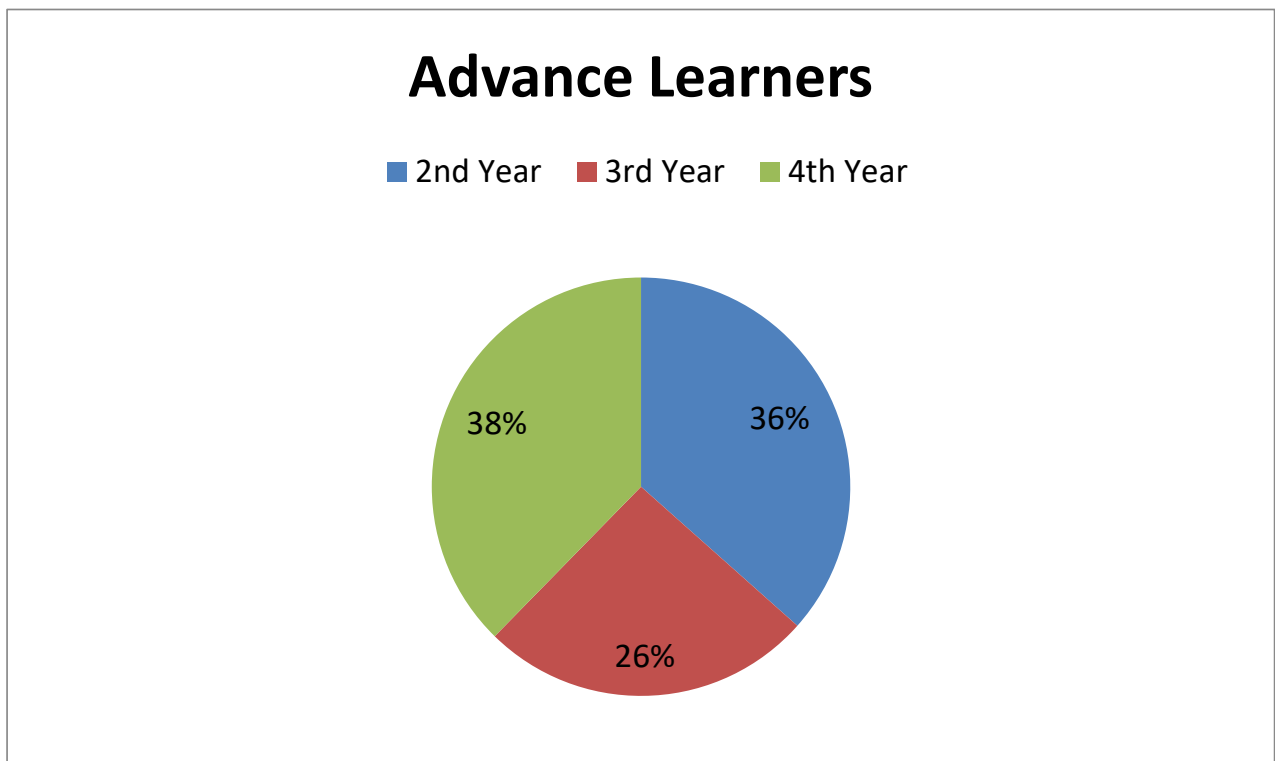
**Action Taken for Advance Learners**

- **Academic Counseling**: Individual academic counseling for career planning is done by concerned subject teacher and mentor.
- **Learning Advance Topics:** Encouraging learning advance emerging topics like AI/ML, Cyber Security and Blockchain Technology beyond the curriculum.
- **Research Work:** Guiding and encouraging communicating research paper in conference and journals.
- **Attending Workshop and Seminar:** Organizing different events for students and ensuring the regular participation of the advance learners in seminar, conference and workshop on advance topics.
- **Internship:** Encouraging students for industry-sponsored or research internship.
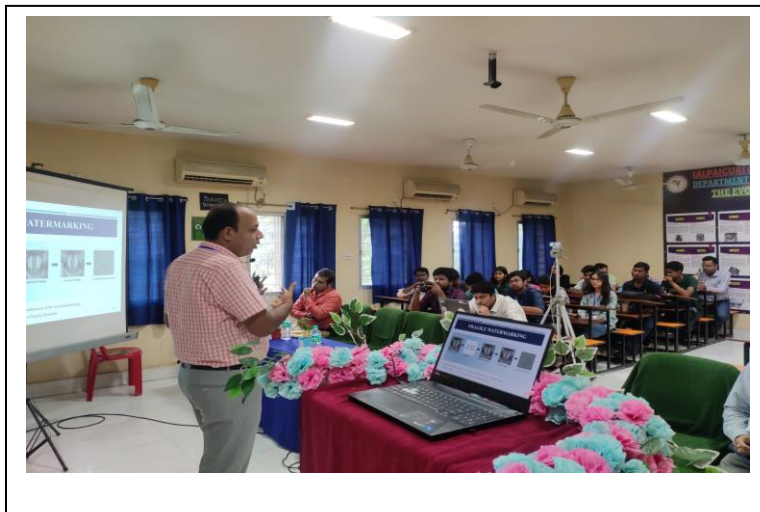
Events organized for advance learners



3rd International Conference on Network Security and Blockchain Technology (ICNSBT 2024)



3-Day Seminar on AI in Cyber Security: Challenges and Opportunities in Digital Bharat under AICTE-VAANI Scheme

Outcomes:

1. Research paper publication: Nine papers presented at the 7th Regional Science and technology Congress 2025 and two papers presented at the International Conference.

   i) Subhajit Barman, Janapriya Roy, Neha Laha, Jhuma Dutta, Subhas Barman, Private Blockchain Based Land Registration System Using Hyperledger Fabric, in proceedings of the 7th Regional Science & Technology Congress 2024-2025 (Region 1), 24th & 25th January, 2025,GoWB

   ii) Nisha Yadav, Ayan Kumar Pal, Jhuma Dutta,  and Subhas Barman, Unlocking the potential of Non-Fungible Tokens and its implementation, in proceedings of the 7th Regional Science & Technology Congress 2024-2025 (Region 1), 24th & 25th January, 2025,GoWB

   iii) Sagarika Saha, Jhuma Dutta, Subhas Barman, Integrating machine learning with Blockchain: A Secure Patient-Centric Electronic Health Record System for Breast Cancer Detection, in proceedings of the 7th Regional Science & Technology Congress 2024-2025 (Region 1), 24th & 25th January, 2025,GoWB

   iv) Zaid Mahmud, Animesh Hazra, Nibaran Das, Survey on Recent Deep Learning Optimization Algorithms, in proceedings of the 7th Regional Science & Technology Congress 2024-2025 (Region 1), 24th & 25th January, 2025,GoWB

   v) Purba Kundu, Animesh Hazra , Alok Sarkar* , Nibaran Das, Survey on Radioscopic Image Classification using Deep Learning Techniques, in proceedings of the 7th Regional Science & Technology Congress 2024-2025 (Region 1), 24th & 25th January, 2025,GoWB

   vi) Souvik Pal, Mannu Kumar Verma, Prem Kumar Oraon,  Animesh Hazra, and Nibaran, Classification of Microscopic Images using Hyperparameter Optimized Deep Neural Networks: A Survey, in proceedings of the 7th Regional Science & Technology Congress 2024-2025 (Region 1), 24th & 25th January, 2025,GoWB

   vii) Shreyan Majumdar, Animesh Hazra and Nibaran Das, Semantic Segmentation in Biomedical Imaging: A Survey, in proceedings of the 7th Regional Science & Technology Congress 2024-2025 (Region 1), 24th & 25th January, 2025,GoWB

   viii) Shreyan Majumdar, Animesh Hazra and Nibaran Das, Semantic Segmentation in Biomedical Imaging: A Survey, in proceedings of the 7th Regional Science & Technology Congress 2024-2025 (Region 1), 24th & 25th January, 2025,GoWB

   ix) Agnisha De , Chinmoy Ghosh  and Shrayasi Datta, Significant Changes and Innovations in Web Technology: A Review, in proceedings of the 7th Regional Science & Technology Congress 2024-2025 (Region 1), 24th & 25th January, 2025, GoWB

   x) Bhowmick S.K., Barman S., Biswas S.K., A Multidimensional Approach to Context-Aware Cyberbullying Detection Through Metadata Analysis, Intelligent Computing and Technology Conference (ICTCon 2024), Kokrajhar, India, December, 2024 (Accepted and Presented)

   xi) Adhishthatri Singh, Chinmoy Ghosh, Shrayasi Datta, "Navigating the Terrain of Decentralized Autonomous Organizations: An In-Depth Review of Blockchain Governance Initiatives", 5th International Conference on Frontiers in Computing and Systems (COMSYS-2024), Springer-LNNS, scopus, Accepted

2. Industry-sponsored Internship:  More than 25 students got selected for internship. One student has been selected as a **Generation Google Scholarship** (APAC): for women in computer science recipient during the academic year of 2024-2025. Scholarship amount: **$2,500 USD**

3. Placements: Overall placement has been improved.

4. GATE Qualified: In GATE 2024, four candidates received scores.

Photographs / Screenshot related to the outcomes



Shreya Sarkar during her 12-week summer internship at [Google](). She got the opportunity to work with the Google Cloud Storage team
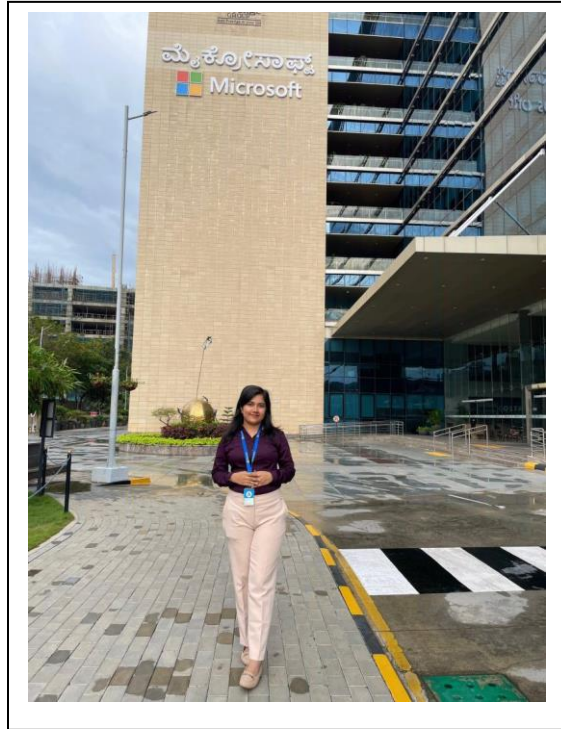


Agnisha De, Software Engineer Intern at [Microsoft]()



Sagarika Saha with excellent award at the 7th Regional Science and technology Congress 2025



Students attended and presented their papers at the 7th Regional Science and technology Congress 2025 organized by the DST, GoWB

Sayan Kr Bhowmick presented his paper "A Multidimensional Approach to Context-Aware Cyberbullying Detection Through Metadata Analysis" at the 2nd International Intelligent Computing and Technology Conference (ICTCon 2024) organized by Central Institute of Technology Kokrajhar during 2nd-3rd December, 2024.