



AMITY UNIVERSITY MAHARASHTRA
AMITY SCHOOL OF ENGINEERING & TECHNOLOGY
B. Tech Computer Science & Engineering

Pedagogical Initiatives

Faculty members in the department prepare and upload session plans, course materials, question bank and teach students with the help of LCD projectors. Periodical group discussions on certain important topics are followed. The students also attend guest lectures from specialists in specific areas. During laboratory sessions, experiments are performed based on the practical course content.

- **Blended learning**

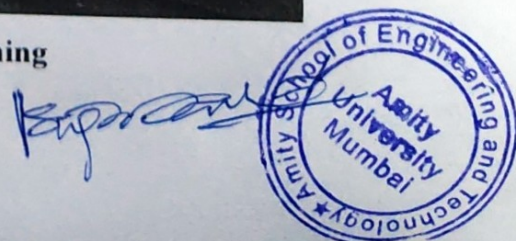
Faculty members utilize a combination of teaching tools such as whiteboards, PowerPoint presentations, and audio-visual aids to enhance the learning experience. Students are encouraged to actively interact with faculty during lectures to clarify doubts and improve understanding. Interactive methods, including the use of models and charts, are adopted to present key concepts in a structured manner. This approach integrates traditional face-to-face teaching with online learning elements, creating a flexible and engaging learning environment.

- **Computer-assisted learning:**

The institute is well-equipped with adequate computing resources, including computers, printers, LCD projectors, and necessary application and system software, all of which are effectively integrated into the teaching process. Students are motivated to use these facilities to develop software solutions for real-world problems. Additionally, assignments and tutorials are designed to be completed using computer-based tools, enhancing practical learning.



Figure 1 Computer-assisted learning



- **Flipped Classroom**

The flipped classroom approach reverses the conventional teaching model by delivering instructional content outside the classroom and utilizing in-class time for discussions, collaboration, and problem-solving activities. Students are assigned topics in advance for preparation and presentation. Classroom sessions focus on student-centered learning through interactive discussions and problem-solving exercises. This method promotes active participation, provides opportunities for personalized guidance, and helps in developing critical thinking skills while improving overall student engagement.

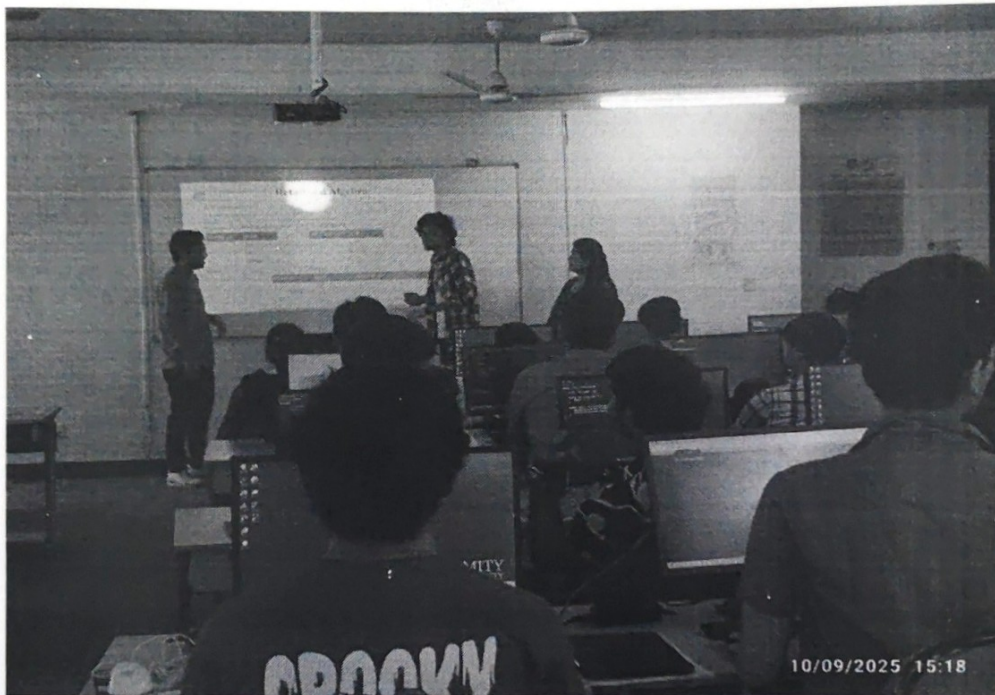


Figure 2 Flipped Classroom

HANDS - WORKSHOP ON "NEW PEDAGOGIES - FLIP CLASSROOM"



Tuesday, 1st JULY 2025



11:00 AM - 12:00 PM.



Computer Lab, Room No. 727, AI Building



CHIEF PATRON:
Dr. Asoom Chauhan,
Hon'ble Chancellor & President,
Amity University Mumbai



PATRON:
Prof. (Dr.) A.W. Santhosh Kumar,
Hon'ble Vice Chancellor,
Amity University Mumbai



EVENT COORDINATOR:
Dr. Nilesh Shirish Wagh
ALMS - Coordinator
Amity University Mumbai



Scan the QR
for the
Registration
Link

LINK CLOSES BY 17th JUNE 2025.

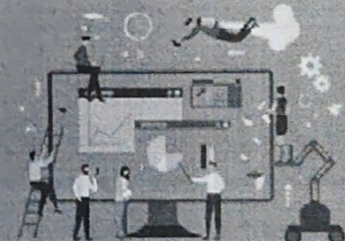


Figure 3: New Pedagogies-Flipped Classroom workshop conducted for faculty.



Signature



Figure 4: Glimpse of Flipped Classroom session

- **Lecture method and interactive learning**

The faculty use white board and audio-visual aids in teaching. Students are encouraged to interact with faculty members during the lecture hour for clarifying the doubts on the spot. Faculty uses models, charts for an interactive teaching.

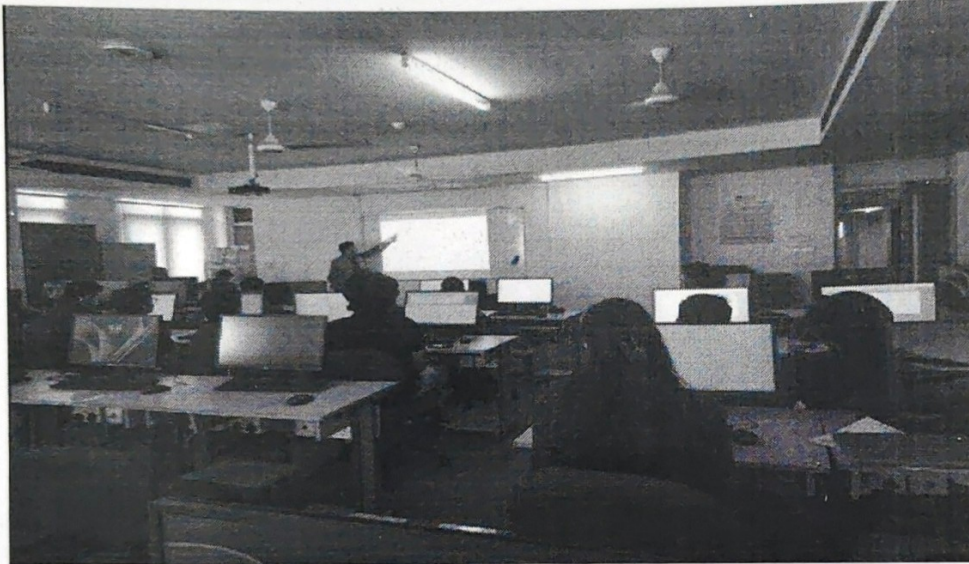


Figure 4: Lecture method and interactive learning

- **Additional Pedagogical initiatives**

Some additional pedagogical initiatives taken by the department in addition to traditional teaching, Lectures, assignments, power point presentation, tutorials include Learning Management System (LMS), Flipped Classroom, Case Study, Domain Lecture/Seminars/ presentations, Quizzes, Lab experiments beyond syllabus.

In addition, to imparting knowledge, the course objectives are developed based on cognitive aspects of Bloom's Taxonomy. The above-mentioned pedagogical activities might be different for courses such as Basic Sciences, Engineering Sciences, Humanities and Social Sciences, Program Core, Program Electives, Open Electives, Projects Work and Professional Trainings.



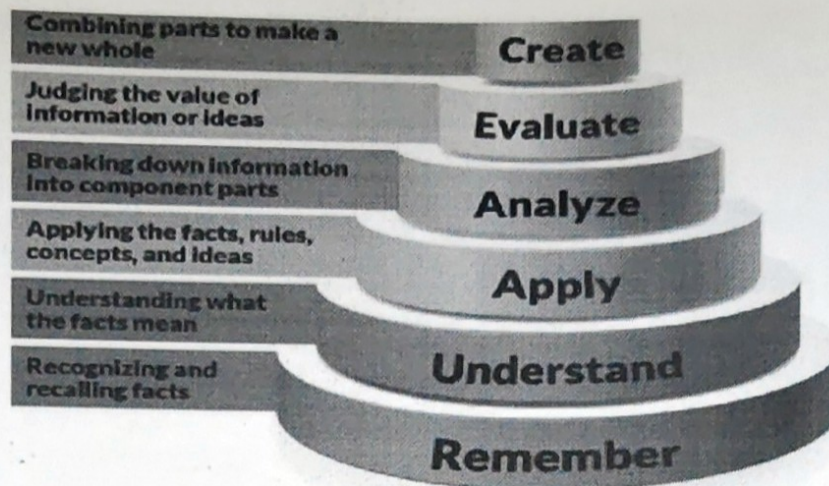


Figure 5 Bloom's Taxonomy



INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)



IOAC
Internal Quality Assurance Cell
AMITY UNIVERSITY MUMBAI

4 QUALITY EDUCATION



8 RECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE





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ORGANISES

HANDS-ON WORKSHOP ON

BLOOM'S TAXONOMY AND OUTCOME BASED ASSESSMENT



Tuesday, 24th February 2026



10:00 AM - 12:00 PM

📍 Auditorium



CHIEF PATRON:
Dr. Aseem Chauhan,
Hon'ble Chancellor & President,
Amity University Mumbai



EVENT COORDINATOR:
Dr. Gigimon V.S.,
Dean Academics (I/C),
Amity University Mumbai



PATRON:
Prof. (Dr.) A.W. Santhosh Kumar,
Hon'ble Vice Chancellor,
Amity University Mumbai



EVENT COORDINATOR:
Mr. Purushothaman M.,
Controller of Examination,
Amity University Mumbai



EVENT COORDINATOR:
Dr. Nilesh Shrish Wagh,
ALMS-Coordinator,
Amity University Mumbai

Figure 6: Workshop on Bloom's Taxonomy conducted for Faculty

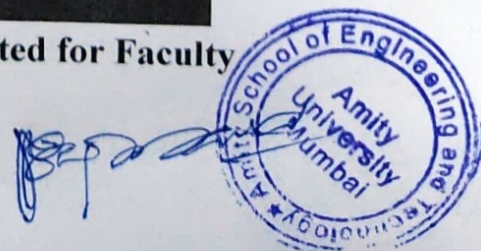




Figure 7: Workshop on New Pedagogies-II: Application-Based Learning conducted for faculty

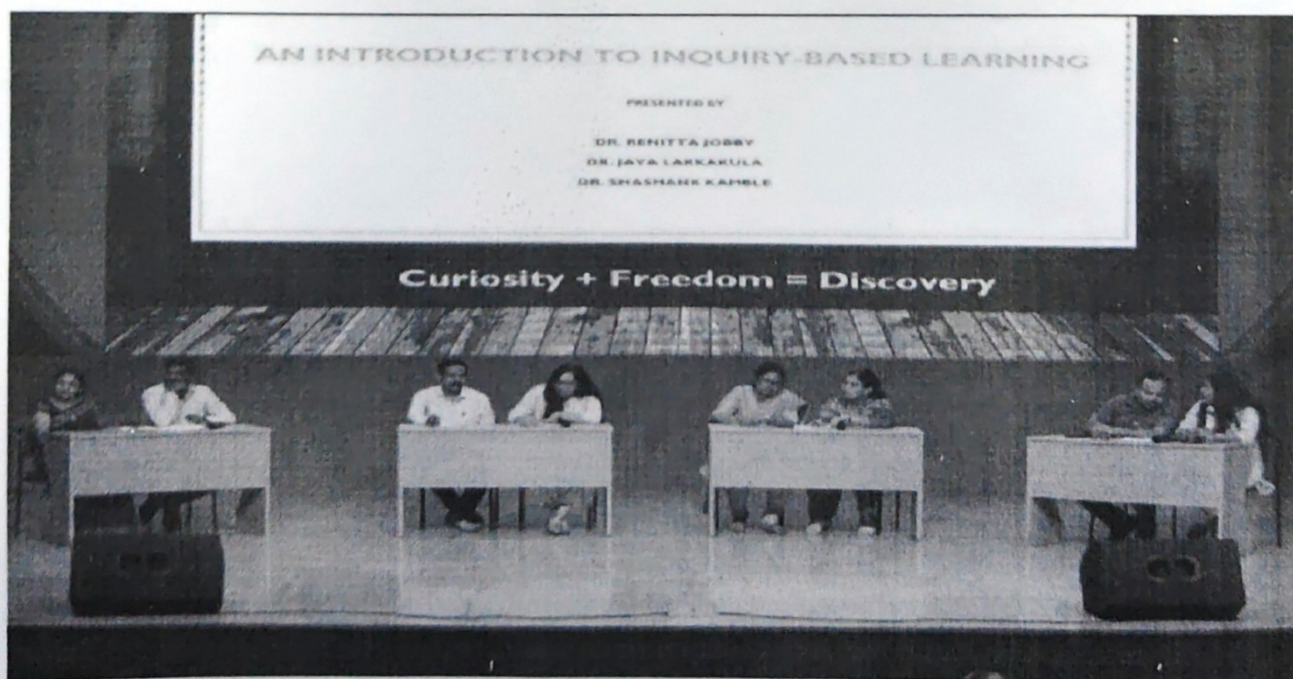


Figure 8: Glimpse of Workshop on New Pedagogies-II: Application-Based Learning

