

Use of Various instructional methods and pedagogical initiatives in teaching and learning:

Pedagogies play an important role in delivering of content and it varies with the audience. Course allocation is made based on the choice/ expertise of the faculty members one month before the commencement of semester. Once the courses are allocated, the faculty members prepare a detailed lesson plan, assignments questions, quiz questions etc. for a particular course. Course handout and materials are also prepared keeping in mind the lesson plan and course outcomes. Some of the Course handout and other related material are uploaded on institute website and departmental website. Faculty members use various pedagogical methods for effective teaching learning process. A well-defined process for course allotment and load distribution is adopted at the department level.

Course Delivery Methods

Class room teaching:

The lecture delivery by the faculty is through a set of educational technology/tools as shown,

- Lecturing is done using Smart boards
- Chalk and talk - green/black board.
- Power Point Presentation (PPT).
- Animated videos
- Citing real world examples for application based courses.
- Case studies
- Project based Learning
- Digital library enables real time learning, monitoring, comprehension and
- Quiz

Also, the following methods are used as per the type of the subject.

- Group discussions/tasks
- Internship
- Co-Curricular activity
- Workshops
- Expert talk
- Access to study material in e-resources
- Use of Open Source Software.

ICT based learning: Use of LCD projectors /Smart boards and provision for interactive teaching learning.

Collaborative / Cooperative teaching/ learning: Students share knowledge or discuss topics in small group or in peer mode.

NPTEL and SWAYAM: The faculty members are using E-sources such as NPTEL and SWAYAM courses for effective teaching. The same also provided to the students in order to develop self-learning and life-long learning skills.