



QIS INSTITUTE OF TECHNOLOGY :: ONGOLE

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

(An ISO 9001:2015 Certified Institution)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

INNOVATIVE METHODS OF LEARNING

The faculty in the department follows different course delivery methods such as lecturing, tutorials, assignments, remedial classes, quizzes, power point presentations, experimental laboratory work, project work, etc. to deliver the course.

Class room Teaching

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

1. Chalk and Board
2. Power point presentation (PPT)
3. E-Learning
4. Computing devices with Internet facility are used for teaching purposes by the faculty to show Power Point presentations, Animations, Videos, Pictures etc., for better teaching learning practice.
5. Faculty members are advised to make use of the higher learning resources such as NPTEL, Centre of Excellence for e-Resource and Development (CoEeRD) of JNTUK, SAKSHAT e-content repositories, courses offered by SWAYAM and other credible Internet sources for effective teaching.
6. Class rooms with LCD projectors and Internet connectivity are being used by the faculty.
7. Well-structured course handouts are prepared for all theory and practical courses which includes Syllabus, course outcomes, mapping of course outcomes with program outcomes, lesson plan, question bank.

8. The faculty are being oriented towards Outcome Based Education (OBE) and are more actively utilizing the OBE to cater the learning needs of students through innovative methodologies. Orientation programs are conducted for the newly joined faculty to make them aware of the OBE frame work to practice the regular activities in the department.
9. Each faculty prepares lecture notes for each unit of instruction, the material and softcopy will be shared with the students in advance.
10. The faculty prepares internal question papers and Assignment Questions based on Bloom's taxonomy.

Interactive Method:

The lecture method of teaching is supplemented with the discussion and interactive method, wherever required. There is ample scope for active participation of the students through discussions in each course. Faculty identifies the advanced topics and organizes the sessions.

MOOCs & Open Sources

Students are encouraged to take up online courses through MOOCs and also, they do programming with the help of online programming sites. The students make use of the digital library for NPTEL videos, soft copies of handbooks, lecture notes, text books, online journals, and other learning material through self-study.

The department of Computer Science & Engineering encourages the students to enroll for different online courses through MOOCs wherein courses are delivered to the students through Webinars by different industry experts and professors from premier institutes.

Guest Lectures & Workshops

Guest lectures by experts from industry and academia are organized regularly for the students in emerging technologies to fulfill the gaps identified in the curriculum to improve the level of attainment of POs/PSOs.

Workshops are conducted for the students on advanced topics covering the breadth, research areas and technological developments in Computer Science & Engineering towards employability and as life-long learning skills.

Student Seminars:

Students are encouraged to present seminars on various topics related to Computer Science & Engineering to improve the documentation, Presentation and communication Skills. Also the students are encouraged to participate in inter & intra-collegiate competitions like Paper Presentations, Poster Presentations etc.

Collaborative learning:

The following are some of the collaborative learning activities that are organized by the department.

- Seminars
- Poster presentations
- Paper presentations
- Group Discussions
- Quizzes
- JAM sessions