2.3.1

STUDENT CENTRIC METHODS, SUCH AS EXPERIENTIAL LEARNING, PARTICIPATIVE LEARNING AND PROBLEM-SOLVING METHODOLOGIES ARE USED FOR ENHANCING LEARNING EXPERIENCES

Solving methodologies are used for enhancing learning experiences Response:

Student centric methods are an integral part of the pedagogy adopted by the faculty. The institution has made a conscious effort to shift from the traditional teacher–centric approach to student-centric one. Experiential learning, participative learning, and problem-solving methodologies are used for enhancing learning experiences.

The teacher's role is that of a facilitator who promotes self-management of knowledge, holistic development and skill formation through participatory learning activities such as: illustration and special lectures, field study, case-studies, project-based-methods, experimental methods and group learning methods. The facilities arranged by the institute are listed below.

Lecture method:

This conventional method is commonly adopted by all the teachers. This method facilitates the teacher to interpret, explain and revise the content of a text only for better understanding of the subject by the learners. At the end of instruction of each unit, the students are given with specific assignments which enrich their learning.

Interactive method:

Interactive method of learning includes group discussion, role-play, subject quiz, news analysis, educational games and discussion with question/answers. In all the courses, tutorial classes are conducted where problem solving skills are imparted.

Information and Communication Technology (ICT) Enabled Teaching:

ICT enabled teaching methods have been made available in the institute. With Wi-Fi facilities for these class rooms and software support for arranging virtual class rooms ICT enabled class room facility is made available by the Institute to a limited extent. The Teaching-Learning Process is supported with Regular Practical Sessions, access of Digital Library, Online Courses (MOOCS, NPTEL etc.), online journals, Conducting Online tests.

Group Learning Method:

Departments are extensively using Group Learning Method with group size of 5to 10 in specific subjects. All Engineering Students are trained through Group Discussions, Management Games and Group Projects/Assignments to promote group learning activity.

Project–based Learning:

Project work is mandatory for all the courses offered at the institute. The period of implementation spans from one to two semesters. The effective phases of survey, case study, implementation, testing and report writing ensure the required project–based learning among the students. Some subjects are augmented with learning through implementation of mini-projects.

Laboratory experiential learning:

Technical education is always justified with the help of practical knowledge. Thus, we try to expose our students to all the laboratories possible beginning from the first-year labs like physics, chemistry and English. Later from their second year, students related to the core department are given an exposure to pure coding languages to depth based on the potential of the student so that the student can learn it by experience.

Extra-Curricular Activities:

These are the unique resources and provisions to develop skills like interactive learning, collaborative learning and independent learning among students.

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