

2.3.1: Student centric methods such as experiential learning, participatory learning and problem solving methodologies are used for enhancing learning experiences

PSCMR College of Engineering and Technology provides an effective platform for students to develop latest skills, knowledge, attitude and values to make them promising engineers the nation looks for.

Experiential Learning

- The college has setup e-yantra robotics laboratory by collaborating with IIT-Bombay to make students have an experiential learning of their courses.
- The institute has established a laboratory H-LABS on the campus in collaboration with HBOTS Pvt. Ltd. Hyderabad to equip students with hands on experience on the content which is not hitherto included in the curriculum,
- Industrial Visits to engage them in experiential learning while visiting the organization.
- The college also has another laboratory which was set up in collaboration with Eurth Techtronics Pvt. Ltd. Vijayawada. The students actively involve themselves in the product development activities in this laboratory.

Participatory Learning:

- In a flipped classroom activity, the topics and the material are given to students in advance. Later a thorough discussion on the given topic is carried out and there by students have a complete understanding on the subject.
- Through Group Discussions and Debates, students are given an opportunity to articulate their thoughts on the spot and to develop their arguments in support of their opinions or claims on relevant topics.
- Regular Quizzes- Quizzes are organized for student participation at intra or inter college level.
- Seminar Presentation – Students develop technical skills while presenting papers in seminars.
- Students are encouraged to take up internships through AICTE-Internshala and other organizations which include APGENCO, Visakhapatnam Steel Plant, Doordarshan, APSSDC, WIPRO so on and so forth.

Problem-solving methods:

In addition to this the institution is identified as “Knowledge Centre” by IIT-Bombay to impart open source technologies to students.

- The college entered into an MOU with PVP mall a reputed mall in the Vijayawada city. The students and the faculty of the college and the technical staff of the mall developed and launched a mobile application of the mall. The app is tested and is now maintained by the college and the PVP mall jointly. This has helped the students in a great way to have an experiential learning.

- The institution has entered into another MOU with “Samarasta Seva Foundation” (SSF) to design develop and maintain a web portal and a mobile application. This provided students an opportunity to understand the requirements of the client.
- The college has developed applications for internal projects for South Central Railway Women’s Welfare organization (SCRWWO) a wing of the India’s mammoth organization – Indian railways. The students take up internships in the said organization which fill the gap between the theoretical concepts and the practical applications.