PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE
(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai – Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. – 630 561, Tamilnadu
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DESCRIPTION ABOUT CENTRIC METHODS

2.3 Teaching- Learning process

2.3.1 Student-centric methods such as educational approaches to experiential learning, participative learning and problem-solving methodologies are used for augmenting learning experiences and faculties use ICT- enabled tools including online resources for effective teaching and learning process.

Response:

The institution endeavors to implement student-centric approaches to enrich the teaching and learning experience. Utilizing this student-centric methodology nurtures not only problem analysis skills but also fosters a culture of lifelong learning and adept utilization of modern tools. Below are the diverse student-centric methodologies through which students will engage in their learning journey: experiential learning, participatory learning, problem-solving methodologies, and the integration of Information and Communications Technology (ICT).

Experiential Learning:

In addition to practical laboratory sessions, students undergo soft skill training aimed at improving their English speaking, writing, and listening abilities, while also benefiting from experiential learning through field visits.

Participative learning:

Participation in NPTEL courses, industry visits, internships, and industry-specific seminars enriches the curriculum, offering students hands-on experiences and exposure to contemporary technologies, while annual industrial visits deepen their understanding of industrial processes, honing their analytical, decision-making, and problem-solving skills.

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Problem-Solving Methodologies:

The curriculum of Anna University is designed to integrate both theoretical concepts and practical problem-based courses. In Regulation 2017, mathematics courses are included up to the 4th semester, ensuring a strong foundation in analytical skills. Some courses feature both lecture and tutorial hours, with students receiving 15 hours of dedicated tutorial classes to enhance their problem-solving abilities. In the eighth semester, students engage in project work where they identify problems, develop methodologies, conduct experiments, and document their findings. Additionally, assignments on specific topics are provided to further hone their skills.

Information and Communications Technology (ICT):

Anna University's curriculum emphasizes the importance of Information and Communications Technology (ICT) across various disciplines. ICT courses are integrated into the curriculum to ensure students are proficient in modern technologies and their applications. These courses cover a broad range of topics, including computer programming, data communication, networking, and software development. By incorporating ICT into their studies, students develop essential skills in using and managing information systems, which are crucial in today's digital world. Practical sessions, along with theoretical knowledge, enable students to apply ICT principles in real-world scenarios, enhancing their technical competence and preparing them for the challenges of the rapidly evolving technological landscape.