



IFET

College of Engineering

(A Unit of Indo French Educational Trust)

An Autonomous Institution

Approved by AICTE, Permanently Affiliated to Anna University
Accredited by NAAC & NBA, Registered under Section 2(f) & 12 (B) of UGC Act - 1956

Recognized Research Centre of Anna University

IFET Nagar, Gangarampalayam PO, Villupuram- 605 108.

ACCREDITED
NAAC

NBA
ACCREDITED
COURSES

CRITERION II - TEACHING-LEARNING AND EVALUATION

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

DECLARATION

This is to certify that for the Academic Year 2021-2022, the institution uses various Student-centric methods such as experiential learning, participative learning and problem-solving methodologies for enhancing learning experiences of our students.

The following documents have been enclosed as proof of this learning.

1. Experiential Learning

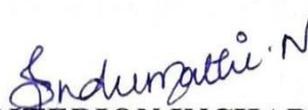
- **Laboratory Courses and Virtual Labs** (Curriculum and list of experiments)
- **Internships** (name list, front sheet of the report)
- **Basic Science Project (CEMP)** (Circular, Invitation, name list with project title, screenshot and report)
- **Industrial Visit** (Industrial Visit Form, Plan of the Day, Permission request to visit company and Name list)

2. Participative Learning

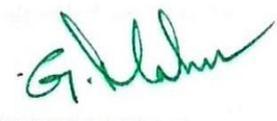
- **Activities through various Clubs and Professional Societies**(Membership list of ISTE, IEEE, CSI, IEI, IETE and College website link for professional societies activities)
- **Guest Lecture, Workshop and Seminar** (List of students attended guest lecture, seminar and workshop)
- **Co-Curricular Events**
 - a. **Proposals submitted to TNSCST** (name list, proposal title, front sheet of submitted proposal)
 - b. **Mini projects** (student name list with title and guide name)

3. Problem Solving Learning

- **Soft Skill Programme** (Circular, Schedule, Attendance, payment details for outsourced trainers)
- **Project Based Learning**
 - a. **Project** (name list with project title, front sheet of the report)
- **Aptitude and Technical Skill Training** (Schedule, syllabus)


CRITERION INCHARGE


IQAC COORDINATOR


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

To improve the learning experience, our institution has used a number of learner-centred strategies. The institute's curriculum allows us to create courses, electives, and projects that promote and emphasise experiential, participatory, and problem-solving methodologies.

Experiential Learning: Activities are designed to improve the level of understanding of the topic by the students. After the completion of the activities the student is able to learn the subject matter better because of the experience gained during the activity.

Activities	Link
Laboratory Courses and Virtual Labs	https://www.ifet.ac.in/NAAC_22/criteria_2/labcourse21-22.pdf (Lab Course)
	https://www.ifet.ac.in/NAAC_22/criteria_2/physicallab21-22.pdf (Physical Facilities for lab)
	https://www.ifet.ac.in/NAAC_22/criteria_2/virtuallab21-22.pdf (Microprocessors and Microcontrollers)
Internships	CSE: https://www.ifet.ac.in/NAAC_22/criteria_2/cseintern21-22.pdf
	ECE: https://www.ifet.ac.in/NAAC_22/criteria_2/eceintern21-22.pdf
	IT: https://www.ifet.ac.in/NAAC_22/criteria_2/itintern21-22.pdf
	MBA: https://www.ifet.ac.in/NAAC_22/criteria_2/mbaintern21-22.pdf
Basic Science Project (CEMP)	https://www.ifet.ac.in/NAAC_22/criteria_2/cempproject21-22.pdf
Industrial Visit	https://www.ifet.ac.in/NAAC_22/criteria_2/2021-2022_Mechanical_Industrial_visit.pdf

Participative Learning: To improve the learning level of the students they are encouraged to participate in paper presentation, competitions and group discussions. They are also made to attend guest lectures, workshop and seminars. Senior students will guide juniors for preparing project proposals thus achieving peer learning.

Activities	Link
Activities through various Clubs and Professional Societies	<i>Professional Bodies Membership Details:</i>
	Indian Society for Technical Education (ISTE): https://www.ifet.ac.in/NAAC_22/criteria_2/iste_21-22.pdf
	Institute of Electrical and Electronics Engineers (IEEE):



	<p>https://www.ifet.ac.in/NAAC_22/criteria_2/ieee_21-22.pdf</p> <p>Computer Society of India (CSI): https://www.ifet.ac.in/NAAC_22/criteria_2/csi_21-22.pdf</p> <p>The Institution of Engineering (IEI): https://www.ifet.ac.in/NAAC_22/criteria_2/iei_21-22.pdf</p> <p>Institution of Electronics and Telecommunication Engineers (IETE): https://www.ifet.ac.in/NAAC_22/criteria_2/iete_21-22.pdf</p> <p>Link for Professional Society Activities: https://www.ifet.ac.in/NAAC_22/criteria_2/professionbodies_21-22.pdf</p>
Guest Lecture, Workshop and Seminar	https://www.ifet.ac.in/NAAC_22/criteria_2/seminar21-22.pdf
Co-Curricular Events	<p>1. Tamilnadu State Council for Science and Technology(TNSCST): https://www.ifet.ac.in/NAAC_22/criteria_2/tnscestcse21-22.pdf</p> <p>2. MINI PROJECT: https://www.ifet.ac.in/NAAC_22/criteria_2/miniproj21-22.pdf</p>

Problem Solving Learning: A problem-solving technique is a student-centred education in which students learn by addressing open-ended issues. This approach enables students to acquire other desirable abilities and characteristics such as information acquisition, improved group cooperation, and communication. It improves critical thinking and literature retrieval while also encouraging continuous learning in a collaborative setting. The following training programs are conducted to aid problem-solving learning,

Activities	Link
Soft Skill Programme	https://www.ifet.ac.in/NAAC_22/criteria_2/softskill21-22.pdf
Project Based Learning	<p><u>PROJECT:</u></p> <p><u>CIVIL:</u> https://www.ifet.ac.in/NAAC_22/criteria_2/pblcivil21-22.pdf</p> <p><u>CSE:</u> https://www.ifet.ac.in/NAAC_22/criteria_2/pblcse21-22.pdf</p> <p><u>ECE:</u> https://www.ifet.ac.in/NAAC_22/criteria_2/pblece21-22.pdf</p> <p><u>EEE:</u> https://www.ifet.ac.in/NAAC_22/criteria_2/pbleee21-22.pdf</p>



	<p><u>IT:</u></p> <p>https://www.ifet.ac.in/NAAC_22/criteria_2/pblit21-22.pdf</p> <p><u>MECH:</u></p> <p>https://www.ifet.ac.in/NAAC_22/criteria_2/pblmech21-22.pdf</p>
Aptitude and Technical Skill Training	<p>https://www.ifet.ac.in/NAAC_22/criteria_2/att121-22.pdf</p>