



## Teaching Learning Practice



**VIT**<sup>®</sup>  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

**Title :** Project-Based Learning (PBL) and Problem-Solving Learning (PSL) Strategies

**Date :** 2025-09-08 - 2025-09-08

**Time :** 11:45 - 13:15

**Venue :** TT 311

### Event Outcome

- Participants will be able to design and implement project-based and problem-solving learning strategies that enhance student-centered and outcome-driven education.



### **Resource Person 1 - Details**

**Name :** Arulmozhivarman P

**Designation :** Professor Higher Academic Grade, Centre for Clean Environment

**University/ Company :** VIT, Vellore

**Address :** India, 632014.

### **Resource Person's Profile :**

#### **1. Profile of Arulmozhivarman P**

Dr. P. Arulmozhivarman is Professor (Higher Academic Grade) at the Center for Clean Environment, VIT Vellore. He served as Dean Academic Research and Dean, School of Electrical Engineering. He earned his Ph.D. from NIT Trichy in 2005. His research interests include biomedical signal and image processing, vision-based surveillance, remote sensing, image compression, and machine vision for NDT and quality evaluation.

Project-Based Learning (PBL) and Problem-Solving Learning (PSL) are innovative pedagogical approaches that foster critical thinking, creativity, and collaboration among learners. This Faculty Development Programme (FDP) aims to equip educators with strategies to design and implement real-world projects and problem-solving tasks that enhance student engagement and knowledge retention. Through hands-on activities, case studies, and reflective practices, participants will explore methods to integrate PBL and PSL into their curriculum effectively. The programme emphasizes outcome-based education, experiential learning, and interdisciplinary approaches to bridge the gap between theoretical concepts and practical applications.

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**Coordinator:** Teaching Learning Centre of Excellence, VIT, Vellore