



**MUKESH PATEL SCHOOL OF
TECHNOLOGY MANAGEMENT
& ENGINEERING**

**Report on
Faculty Development Program**

**“A Comprehensive Workshop on Problem and Project
Based Learning”**

12th – 13th December 2024

Executive Summary

Mukesh Patel School of Technology Management & Engineering, Shirpur campus conducted a comprehensive workshop on **Problem and Project Based Learning** from 12th December to 13th December 2024. Dr. Vikas Shinde, Professor, from Vishwaniketan's Institute of Management Entrepreneurship and Engineering Technology (ViMEET) conducted the workshop. More than 45 faculty members across campuses of NMIMS attended the 2 day workshop in person. Dr. Atul V. Dusane and Prof. Pravin Landge (AIML Department) were the co-ordinators of the workshop.

The workshop gave insights about the problem and project-based learning principles, rubric design and other tools. Different levels of project-based learning to be implemented were explained with various examples. A poster making competition was conducted among the participants regarding the course curriculum design and outcomes associated with the problem assigned to each group. Participants were involved in a rigorous task of course level PBL, where each participant created a problem statement, PBL objectives and stepwise plan of the activities to be done in completion of the project. The workshop ended with vote of thanks.

Outcomes of the Faculty Development Program

The workshop helped faculty to design student-centric activities using PBL in the courses which will be taught in the next upcoming semester. The tasks completed were PBL Curriculum Design Poster, PBL curriculum Alignment, writing learning, outcomes, assessment and evaluation design examples, course level rubric design, and final course level PBL model design.

Expected Impact/Outcome

- PBL Curriculum Design Poster
- PBL curriculum Alignment
- Understanding Learning, outcomes, assessment and evaluation design examples
- Understanding Learning, outcomes, assessment and evaluation design examples
- Course level Rubric Design
- Final Course Level PBL model Design

FDP Details

Expert Speaker- Dr. Vikas Vithal Shinde, Director PBL-COE, Professor in Mechanical engineering Department and Director, Centre of excellence in Project Based Learning (PBL) at Vishwaniketan iMEET, Khalapur, Mumbai University. He has PhD in Project Based Learning from Aalborg University Denmark.

No. of Participants- 45

Coordinators: Dr. Atul V. Dusane, Prof. Pravin Landge

Objectives of the Programme: To design course using Problem-based learning curriculum.

Session wise Detail

Day 1: 21 Nov 2024

Session	Topic	Outcomes
S1 10:00 am to 11:15 am	P2BL, Design Thinking and BM in Indian Context	Self Reflection on Practice Necessity for change Base for the workshop will be created
	Break	
S2: 11:15 am to 12:30 pm	P2BL Principles and Biggs Constructive Alignment	PBL Canvas
	Lunch	
S3: 1:30 pm to 3:15 pm	Problem Based Curriculum Design Poster	PBL Curriculum Design Poster
	Tea break	
S4 3:30 pm to 5:00	Sample Poster Presentations	Comments on PBL Curriculum Comments on Posters Announcement of best team Poster





Day 2: 22 Nov 2024

Session	Topic	Outcomes
S1- 9:30 am to 11am	Biggs Constructive Alignment	PBL curriculum Alignment
	Break	
S2: 11:15 am to 12:30 pm	Learning Outcome Assessment Design (LOAD)	Understanding Learning, outcomes, assessment and evaluation design examples
	Lunch	
S3: 1:30 pm to 3:15 pm	Rubric Design, Final Model design and final submission	Course level Rubric Design
	Tea break	
S4 3:30 pm to 5:00 pm	Final Model design and final submission Question and answers, Feedback	Final Course Level PBL model Design





Feedback

The feedback was taken on five-point Likert scale on Overall rating of the speaker's expertise which has average score of 4.76 and the overall rating for workshop organization & management by MPSTME Team which showed an average of 4.74.

Conclusion

The workshop was attended by 45 faculty members from the Departments of CE, AIML, IT, and CS, as well as faculty from the Schools of Pharmacy, Agriculture, and Textiles, across campuses of NMIMS Shirpur. The faculty designed course using Problem-based learning curriculum and worked in groups. The poster of the chosen topic was designed based on PBL and presented. The overall outcome is to implement PBL in the courses that faculty is teaching in the upcoming semester.

Dr. Atul V. Dusane, AIML
Prof. Pravin Landge, IT
FDP Coordinators, MPSTME Shirpur