

## Comprehensive Training Programme on P2BL: Curriculum Design and Implementation Strategies

### Introduction

Problem and Project Based Learning (P2BL) is a key pedagogical approach to be practiced for achieving NEP2020 goals of Inter-disciplinary and Multi-disciplinary learning and skills, product development leading to IPR generation and contributing to Start up India . Also, it's the promising practice to advance higher order thinking skills, employability skills and entrepreneurship. However, in India, PBL approach has been practiced in crude manner which fails to provide scalable change in students learning and learning outcomes. There is a need to develop PBL curriculum rather than finding opportunity to integrate Projects into the curriculum. It must be noted that doing projects is not PBL, it is much more than that. If implemented scientifically, P2BL leads to improvement in research outcomes, patents and start-ups. Unfortunately, Indian educators have very limited awareness about P2BL implementation. As a result, educators face multiple challenges in implementation and often quits implementation after first implementation experience. In the context of improving quality of PBL practice, the faculty development programmes are arranged and are inclined towards creating awareness about PBL. In this, three day intense training programme, attendees will learn various aspects of PBL, Developing PBL curriculum, assessment design and implementation models. Also, attendees will learn 12 active learning strategies to make classroom teaching more useful and dynamic. Thus, this training will provide holistic approach to educators to improve both traditional instruction led delivery and scientific approach to implement PBL.

### Objectives:

1. To create awareness about P2BL philosophy and learning principles.
2. To learn various levels and methods of P2BL implementation.
3. Design Problem Based Curriculum
4. Develop Course Level P2BL model
5. Design Learning outcome assessment schemes
6. Develop P2BL ecosystem.

## Outline of the Programme

### Theme 1: PBL and Drivers for the Change

Day	Time	Topic	Activities
Day – 01	09:15 am – 09:45 am	Inauguration of the Event	
	09:45 am – 10:45 am	Need assessment from the attendees and creating a roadmap for three days, team creation	Discussion and Presentation
	Tea Break		
	11:00 am – 01:00 pm	Learning Fundamentals: Introduction to Cognitive, Affective and Psychomotor Domains of learning, and learning styles	Think-Pair and Share Bloom's Taxonomy
	Lunch Break		
	01: 45 pm - 03:00 pm	Problem Based Curriculum Design : Poster	Team Activity Team Poster Preparation
	Tea Break		
03:15 pm – 04:30 pm	Problem Based Curriculum Design : Poster	Team Activity Team Poster Preparation and Submission	

### Theme 2: PBL model design and Development

Day	Time	Topic	Activities
Day – 02	09:15 am – 10:45 am	Team Poster Presentation	Team Poster Presentation
	Tea Break		
	11:00 am – 01:00 pm	Team Poster Presentation	Team Poster Presentation
	Lunch Break		
	01: 45 pm - 03:00 pm	Introduction to PBL PBL: Principles, Philosophy, and PBL Problems	Work book and Canvas
	Tea Break		
03:15 pm – 04:30 pm	Course Level Problem Design	Work book and Canvas	

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## Theme 3: Assessment in PBL and Rubric Development

Day	Time	Topic	Activities
Day – 03	09:15 am – 10:45 am	Sample CL-PBL- Poster	Poster Presentation
	Tea Break		
	11:00 am – 01:00 pm	Sample CL-PBL- Case Studies	Presentation
	Lunch Break		
	01: 45 pm - 03:00 pm	PBL and Assessment Design: Rubric Development	Team Activity Presentation
	Tea Break		
	03:15 pm – 04:30 pm	Sample Rubric Presentation Valedictory session and creating actionable points for implementation	Poster and Canvas Submission

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sheets, posters and evaluation of the attendees will be submitted to IUCEE or Organising institute for further actions.

**B. Follow-up activities: (Not a part of the workshop, to be discussed) (This is an optional sequence of activities which can be taken care with IUCEE mentorship or in collaboration)**

1. Meeting with management
2. Selection of teachers and courses for implementation
3. Creating CL-PBL Pitch
4. Online Reviews of CL-PBL Pitch
5. Final CL-PBL Pitch
6. Students' counselling and pitch in front of the students
7. Internal and external Reviews
8. Project Exhibition
9. Business Modelling
10. Mentoring
11. Start-up-incubation

### C. Prerequisites

1. The workshop is intended for all staff members (maximum 60), who intend to improve their teaching-learning practices.
2. The basic PA system with media player facilities will be required for the workshop. Round table arrangement in the hall is preferred for the team-activity. If seminar hall is having flexibility for the movement of the chairs or benches, it will be highly desirable. If not, we need to manage team activities in the seminar hall only.
3. In the group activity, organisers need to provide A2 sized sheets and set of sketch pens (06) to each group.
4. Workbook photocopies equal to the number of participants would be required and same must be provided to all participants. Original workbook will be provided by the speaker through mail. Participants need to complete the daily activities and submit it to the speaker for the evaluation.

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5. In the workshop, various activities will be conducted, thus the staff is requested to learn these active learning practices as well. This will help them to make class environment conducive for the active learning.
6. One coordinator from the institute may be appointed for mutual communication.
7. Appropriate accommodation and travel arrangements to be borne by the Institute. The Honorarium for the workshop would be 45000 Rs. to be paid to the Vishwaniketan PBL Centre of Excellence account mentioned below.

Name of the Account: VISHWANIKETAN VAP  
Bank Name: Bank of India, Khalapur  
IFSC Code : BKID0001201,  
Account Type: Current, Account No. 120120110000176

Thank you

**Dr. Vikas Shinde**

Director, PBLCOE

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