



# *Two Days International Workshop*

## *On*



## **Workshop Summary Report**

Workshop – February 25<sup>th</sup> and 26<sup>th</sup>, 2021.  
Vishwaniketan, India.

**Under Capacity building and Exchange towards attaining Technological Research and modernizing Academic Learning- CENTRAL**

Project ID: 598914

Programme: EPLUS -Erasmus+ Capacity Building in Higher Education

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# Workshop Summary Report

"Integrating Project-Based Learning in Digital Technology for Business Transformation Curriculum"

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## EXECUTIVE SUMMARY

The workshop took place on February 25<sup>th</sup> and 26<sup>th</sup>, 2021, in India. It was organised in the context of introduction of Problem/Project based Learning (PBL) concept in Digital Technology for business Transformation (DTBT) curriculum which is outcome of CENTRAL Project. Another objective is to bring together a variety of stakeholders in online platform to learn about PBL and identify opportunities. The workshop gathered a wide range of stakeholder and its main objectives were to:

- Introduction of PBL in DTBT.
- Provide information of PBL process.
- Study of different success stories of PBL.
- Study different Case Studies for Implementation of PBL in Curriculum.

The 107 workshop participants represented over 30 organizations, including Faculty and student from countries Denmark (01), Bulgaria (02), Pakistan (09), Thailand (02) and India (93). The workshop was organised into different sessions mainly technical sessions and exercise session. In the first day of workshop, the inaugural session started with Welcome Speech from Dr. B. R. Patil, Principal, Vishwaniketan. Then Inaugural Speech by Dr. Ramji Prasad, CENTRAL Project Co-ordinator. He gives briefed overview of CENTRAL project and their opportunities. Then, the representative from European Commission, CENTRAL Project Officer Mr. Wolf Dieter Besche. He enlightens on procedure and financial aspects of EU projects. Then Dr. Sandip Inamdar, Vice President, Vishwaniketan highlights collaboration opportunities for Higher Education Institutions (HEI) through Erasmus+ Programs. Then Mrs. Mrs. Neelam Kamthe, Director, Vishwaniketan Incubation Centre gives virtual tour & activity bulletin of BEE Lab. This was followed by WOBLERS – Digital Tech. students new start-

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up story under CENTRAL project by WOOLER and Team. Then Dr. Albena Mihovska, CENTRAL Project Co-ordinator, Aarhus University, Denmark highlights vision, mission and activities under Project CENTRAL. Then two technical session were conducted. The afternoon session was dedicated to group discussions and presentations, involving participants of the workshop. The main objectives of this session where every participant will be able to identify PBL problem statement which satisfy 8 principles of PBL.

In second day in morning session 8 technical session were conducted. Those were providing the glance on various ways of PBL implementation in different models. In afternoon session involves presentation from participant side about their own PBL model. The workshop ended with closing remarks and vote of thanks from International workshop coordinator Mr. Sagar A. Dhotare, Vishwaiketan. The rest of the report presents the main points from all technical sessions.

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## Key Messages from The Technical Session Presentations

### *Technical Session 01: - PBL: Principles & Philosophy*

**Dr. Vikas Shinde** (*Steering Committee Member, CENTRAL Project, India*)

Main points covered in this session as follows,

- Introduction of PBL.
- PBL principles and taxonomy.
- PBL Problem attributes.
- Apply PBL principles and problem attributes to form problem statement.
- Learn PBL process to distinguish between Problem and Project Based Learning approach for any field.

### *Technical Session 02: - Characteristics of PBL Problems*

**Prof. Mrs. Swapna Manurkar** (*Vishwaniketan's iMEET, India.*)

Main points covered in this session as follows,

- How can make a problem statement that will be Challenging /Complex /Difficult/Engaging to the learner.
- Problem should Not well defined.
- How learner can make inquiry / survey for solution.
- Problem should have multiple solutions.
- Problem should Contextualised.
- Problem should be Authentic.
- What should be the different problem learning goals.
- How learner should joy of learning.

### *Technical Session 03: - PBL Model Development*

**Dr. Vikas Shinde** (*Steering Committee Member, CENTRAL Project, India*)

Main points covered in this session as follows,

- Introduction of PBL.
- PBL principles and taxonomy.
- PBL Problem attributes.
- Apply PBL principles and problem attributes to form problem statement.
- Learn PBL process to distinguish between Problem and Project Based Learning approach for any field.

### *Technical Session 04: - Implementation of PBL in DTBT curricula (Green Technology)*

**Dr. Sharvari Sane** (*Vishwaniketan's iMEET, India*)

Main points covered in this session as follows,

- Introduction of Green Technology.
- Need of such courses in DTBT curricula.

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- Green Technology Course Content.
- Methods of learning Course Content.
- PBL in Green Technology.
- Online and Offline Implementation Strategy of PBL in Green Technology Course.

## *Technical Session 05: - Wonders that students can do in PBL: A case study*

**Prof. Mrs. Sneha T. Patanwar** (KIT, India.)

Main points covered in this session as follows,

- Importance of implementing PBL in Biotechnology.
- Problem statement in the field of Biotechnology in aspect of PBL.
- Method of conduction and evaluation techniques.
- Impact of PBL on students learning approach.

## *Technical Session 06: - VIIP - Implementation of International Project-Based Learning Model*

**Prof. Mrs. Pallavi Dongare and Prof. Mrs. Jasmin Hirani** (Vishwaniketan, India)

Main points covered in this session as follows,

- Brief introduction of "VISHWA" International Internship Program (VIIP).
- Program Process description
- Program Activities
- Different benefits and opportunities to learner
- Learner Achievements

## *Technical Session 07: - A Case Study on Implementation of Technology Project-Based Learning*

**Prof. Mrs. Charushila Pandit** (Vishwaniketan's iMEET, India)

Main points covered in this session as follows,

- Importance of technology PBL
- Procedure for collaboration of technology with PBL.
- Suitable technologies and outcomes of technology PBL.
- Discussion on 4 different case study before and after the implementation of technology PBL.
- Showcase of learner's success stories.

## *Technical Session 08: - A Success Story of Industrial Project-Based Learning*

**Mr. Anand Bhise** (Mechatol Engineering Solution, India)

Main points covered in this session as follows,

- Discussion on gap between industrial requirements and educational curricula.

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- Company introduction.
- Way to implement PBL for industrial problem.
- Procedure for collaboration of industry with PBL to solve industrial problem.
- Discussion on different case study and success stories.

## *Technical Session 09: - PBL Classroom Dynamics*

**Prof. Nikhil Kasar** (*Vishwaniketan's iMEET, India*)

Main points covered in this session as follows,

- Why we need to implement PBL in classroom.
- Discussed different methods and processes for classroom dynamics.
- Procedure, schedule etc. were discussed.
- Shown some students poster presentation and projects.

## *Technical Session 10: - Assessment Design in PBL: Rubrics*

**Prof. Bhaveshkumar Pasi** (*Vishwaniketan's iMEET, India*)

Main points covered in this session as follows,

- Importance of assessment.
- Rules and regulation for assessment.
- Brief introduction about rubric.
- How will it help to assess all work done by learner?
- Discussed 2 case study.

## Closing Remark

**Prof. Sagar A. Dhotare** (*Coordinator of International Worksop, Vishwaniketan's iMEET, India*)

- The Worksop have positive outcomes, especially for implantation of PBL in different area.
- Worksop were mainly focus on different aspects or ways or methods to improve learner's innovative skills.
- Different case studies will help to the partner's and attendees to implement PBL environment to improve learner's interest towards education.
- Through the Worksop different opportunities were open to all as its a complementary to those who do not know about PBL.
- This Worksop is part of CENTRAL European Commission project.