

Project Title: Teaching Learning Centre (TLC) for Pedagogy Design and Research

1. Introduction

Different pedagogic principles (e.g., Socratic teaching) have been there for ages in delivering effective teaching. To meet the demands of ever changing socio-cultural and technology space, new pedagogic principles (discovery learning, project-based learning, game-based learning) have been adopted in teaching-learning process. Wide adoption of different pedagogic strategies has shown promising results in different parts of the world. Though adoption of effective pedagogic strategy is implicit in Indian teaching community, its formal adoption has started to take shape very recently in higher education.

The idea of scientific teaching demands from the teaching community to adopt contextualized pedagogic strategy and formal framework to validate the adopted strategy. Contextualization is imperative to deliver learner centric instruction considering different learner and learner group properties (e.g., learning style, meta-cognitive behaviour, learner goal and motivation etc.). This requires thorough analysis of different pedagogic strategies and putting them with respect to different contextual parameters in form of knowledge component. This facilitates not only selecting suitable pedagogy in a given context but also annotating learning resources with wide range of pedagogic metadata. Apart from the required knowledge component, the teachers should also be provided with framework for designing, integrate, validate pedagogic strategies and sharing successful designs to encourage others to adopt.

Teaching-learning in today's world is not confined in bricks and mortar. Anytime-anywhere-anyone and participatory nature of learning has included other stakeholders (e.g., industry, NGOs, entrepreneurs) in addition to teacher and student.

The proposed TLC will focus on scientific practices towards effecting and participatory teaching-learning through providing framework for pedagogy design and research.

2. Objective

The objective of the proposed TLC is to facilitate the teachers to

- understand the efficacy of scientific pedagogy in teaching learning process
- integrate and experiment with various pedagogic principles for outcome and learner oriented knowledge delivery
- share experiences in designing and sharing new pedagogy

Apart from the mentioned objective the proposed TLC will develop an ecosystem and collaboration bridge with new age entrepreneurs for productization of different research outcomes.