



AI Faculty Transformation Lab

Redesigning Teaching, Assessment
and Research for the AI Era

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Overview

This is a structured, online faculty engagement designed to help educators rethink and redesign how they teach, assess, and conduct research in the context of AI.

This is not positioned as a one-time training or a tools-based workshop.

The focus is on working with faculty over a sustained period, where they apply concepts directly to their own courses and academic work, and build outputs that can be implemented immediately.

Delivery Model



Duration

14 weeks



Format

14 live sessions
(1 per week)



Session duration

90 to 120
minutes



Mode

Fully online

Between sessions, faculty continue their work through a moderated LMS environment, which acts as the backbone of the program.

How the Program Runs

1 Live Session

- Concept discussion
- Demonstration where relevant
- Contextual examples from higher education
- Guidance on the weekly task

2 LMS Engagement (During the Week)

- Structured reading material
- Reference frameworks and examples
- Short videos or walkthroughs (where needed)
- Weekly assignment instructions

3 Faculty Work

- Faculty apply the concept to their own course or research
- Build a specific output for that week

4 Submission and Moderation

- Artifacts are submitted on the LMS
- Reviewed and guided through moderation
- Inputs provided for refinement

This ensures that the program is not session-dependent, but **progressively built through weekly work**

Role of the LMS The LMS is not just a content repository.

It is used to:

- 1 Structure the weekly learning journey
- 2 Host all program materials and references
- 3 Enable submission of weekly artifacts
- 4 Track progress across participants
- 5 Provide a space for continuous engagement and clarification

All key outputs are built and stored within this system, creating a documented progression of work for each faculty member.

Program Structure

The 14 weeks are organised into five focused segments.

Segment 1 Understanding the Shift (Weeks 1–3)



Focus

Understanding how AI is impacting classrooms, learning behaviour, and course design.



Faculty work on

Reviewing one existing course
Identifying gaps in current design
Redefining learning outcomes to align with higher-order thinking



Outputs

Course gap analysis
AI-aligned learning outcomes
Initial prompt frameworks relevant to their subject

Segment 2 Teaching Design (Weeks 4–6)



Focus

Moving from lecture-led delivery to structured learning experiences.



Faculty work on

Redesigning one teaching module
Creating supporting content using AI where appropriate
Designing engagement and feedback mechanisms



Outputs

AI-supported lesson plan
Teaching content module
Feedback structure for continuous engagement

Segment 3

Assessment Design (Weeks 7–10)



Focus

Rethinking how assessments are designed in an environment where AI is widely accessible.



Faculty work on

Reviewing current assessments
Designing application-based and case-based questions
Building structured evaluation approaches
Designing continuous assessment models



Outputs

Assessment critique
Higher-order question bank
Evaluation rubric
Complete assessment framework for one course

Segment 4

Research Workflows (Weeks 11–13)



Focus

Using AI to support research without compromising academic integrity.



Faculty work on

Defining a research problem
Structuring literature review
Drafting academic content
Building a research proposal



Outputs

Research problem statement
Draft section of a paper
Research proposal

Segment 5

Capstone and Consolidation (Week 14)



Focus

Bringing all work together and preparing for implementation.



Faculty work on

Presenting their redesigned course and assessment
Refining outputs based on feedback



Outputs

AI-enabled course module
Complete assessment system
Research output (proposal or draft)

About the Program Lead



Led by Dr. K.R.V. 'Raja' Subramanian

Raja brings over 40 years of experience across university education and industry. He holds a PhD and two Master's degrees from BITS Pilani, where he served as Professor of Computer Science and Dean of Distance and Work-Integrated Learning Programs.

He is the former Founder-Director of the Myanmar Institute of Information Technology — a Government of India initiative — and currently serves as Senior Vice President, Learning at USDC Global, Bangalore, where he leads learning innovation and a University Management System built in collaboration with Kyndryl.

Raja is the author of three books on Generative AI in education, published in 2025:

Generative AI for University Faculty

01 Generative AI for PhD Scholars — foreword by Prof S Sadagopan, former Founder-Director, IIT Bangalore Generative AI for Online Learners

02 This program is built on the same philosophy as his books — practical, ethical, and grounded in how universities actually work.

Program Fee

Early bird:
₹3,500

(Limited seats — closes May 31)

Standard:
₹5,000

Cohort size: 75 participants maximum

First live session: Sunday, July 5

Expected Faculty Commitment

1

Attend one live session per week

2

Spend additional time during the week on LMS-based work

3

Complete and submit weekly artifacts

4

Apply all work to their own subject or course

What Faculty Leave With

By the end of the program, each participant will have:

1

A redesigned course module aligned to AI-era learning

2

A structured and implementable assessment system

3

A research output (proposal or draft paper)

4

A working set of AI prompts and workflows relevant to their discipline

Institutional Value

For the institution, this program leads to:

More consistent and structured assessment practices

Reduced reliance on memory-based evaluation

Better alignment with outcome-based education

Improved academic integrity in the presence of AI

Faculty capability that can be extended across departments

Extension Possibilities

This engagement can be extended into:

01

Standardisation of assessment design across programs

02

Deeper faculty capability rollout across departments

03

Larger faculty rollouts

04

Broader academic process redesign

Early bird closes May 31

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