



**NITTTR  
BHOPAL**

**MH-11/2025-2026**

# Assessment and Evaluation Techniques in Engineering Courses

**15-12-2025 to 19-12-2025**

**Online**

<https://erp.nitttrbpl.ac.in/poc2025/?id=regMH-11>



Scan QR to Register

## Rationale

Assessment is a critical component of the teaching–learning process in engineering education. With the implementation of Outcome-Based Education (OBE), NEP-2020, NCrF, Model Curriculum, and NBA accreditation, engineering teachers must adopt scientific, transparent, and outcome-aligned assessment practices.

Traditional examination patterns often fail to measure higher-order cognitive skills, practical competencies, and professional abilities required of engineering graduates. Hence, teachers need to practice Modern assessment tools, design question papers using Bloom's Taxonomy, Rubrics-based evaluation, and Authentic assessment techniques

This 5-day FDP empowers engineering teachers to implement valid, reliable, and fair assessment and evaluation strategies for improving student learning outcomes and strengthening programme quality.

## Programme Outcomes

1. Apply the philosophy of assessment in Outcome-Based Engineering Education.
2. Design effective assessment tools aligned with COs, POs, and competencies.
3. Develop question papers using Bloom's Taxonomy and Revised Bloom's levels.
4. Apply continuous and formative assessment methods.
5. Construct question items, rubrics and performance indicators for laboratory, project, and fieldwork assessment.
7. Prepare assessment documentation required for NBA accreditation and NCrF compliance.

## Programme Content

- Importance of Assessment in Engineering Education
- Types of Assessments: Diagnostic, Formative, Summative
- Principles of Validity, Reliability, Fairness & Transparency
- Principles of Question Paper Design
- Assessment Blueprint and Weightage Distribution
- Rubric concept and design

## Target Group

Faculty of Engineering disciplines

## Coordinator & Co-Faculty

Dr. J.P. Tegar  
Professor  
Department of Curriculum Development and Assessment  
Education  
[jptegar@nitttrbpl.ac.in](mailto:jptegar@nitttrbpl.ac.in)

Dr. Anju Rawley  
Professor  
Department of Curriculum Development and Assessment



**e Prashikshan**  
An Online Training Portal of NITTTR Bhopal  
[www.eprashikshan.com](http://www.eprashikshan.com)

**National Institute of Technical Teachers' Training and Research (NITTTR)**  
(Deemed to be university under distinct category), Ministry of Education, Government of India,  
Shamla Hills, Shanti Marg, Bhopal-462002 (M.P.)

[/nitttrbpl](https://www.nitttrbpl.ac.in) [/nitttrbhopalofficial](https://www.nitttrbpl.ac.in) [/nitttrbhopal](https://www.nitttrbpl.ac.in) [www.nitttrbpl.ac.in](https://www.nitttrbpl.ac.in)