

Programme Brief

Faculty Development Programme
on Core Teaching Skills (NC-CONS-18/25-26)

Duration: 21 - 25 July 2025

Coordinator: Dr. M A Rizvi

Faculty: Dr. Nishit Dubey

Is organized by



Sankalchand Patel University, Visnagar

In the Collaboration with



National Institute of Technical Teachers Training and Research, Bhopal
Deemed to be University
(Under Distinct Category)

National Institute of Technical Teachers Training and Research, Bhopal Deemed to be University Under Distinct Category

- **Title of the Programme: Core Teaching Skills**
- **Programme Code: NC-CONS-18/2025-26**
- **Programme Duration: 21 - 25 July 2025**
- **Venue: Sankalchand Patel University, Visnagar**

1) Rationale:

Higher education is a foundation of societal advancement and progress. Higher education is a critical platform for developing individuals' intellectual, professional, and personal capacities, thereby contributing to societies' economic, social, and cultural development. The quality of higher education is closely linked to the effectiveness and proficiency of the educators who facilitate the learning process. Consequently, higher education teachers' training and professional development are of utmost importance.

The rapidly evolving landscape of higher education requires continuous professional development for educators to stay updated with emerging pedagogical strategies. This refresher course helps teachers enhance their teaching skills and encourages research-oriented approaches and innovative teaching methodologies, such as Outcome-Based Education (OBE) and blended learning. This course provides a structured platform for teachers to exchange experiences and address academic challenges through interdisciplinary interactions.

2) Outcomes:

- a) Elucidate the National Education Policy 2020 and its implications on the Technical Education System in India.
- b) Practice the emerging roles & responsibilities of technical teachers.
- c) Apply the principles of learning in the teaching-learning process.
- d) Interpret the learning outcomes after curriculum analysis of a given course.
- e) Select appropriate instructional methods and strategies based on the learning outcomes.
- f) Practice innovative teaching strategies to improve the teaching-learning process.
- g) Use technology-enabled learning approaches to enhance the quality of teaching-learning.
- h) Explore online Free and Open-Source Software [FOSS], Open Educational Resources (OER). And other digital tools for creating an effective learning environment.
- i) Design innovative lab experiments to enhance students' competence.
- j) Assess the student's performance in the technical education system.
- k) Design strategies for strengthening Industry Institute linkages.

3) Programme Contents:

NEP 2020 & its implication on the Technical Education System, Emerging Roles and Responsibilities of Technical Teachers and Professional Ethics, Domains of Learning, Revised

Bloom's Taxonomy, Dave's and Krathwohl's Taxonomy, Outcome-based Education, OBC- Outcomes at Course level, Classroom Communication and Presentation skills, Outcome-Based Teaching-Learning Approaches, Improved Lecture, Q-A, Tutorial, Demonstration, Blended and Flipped Learning, Open Educational Resources (OER), ICT Tools.

4) Instructional Strategies

- a) Input and discussion
- b) Individual and group assignment
- c) Peer editing/moderation of questions/question papers
- d) Question and answer sessions
- e) Presentations by participants

5) Target Group: Faculty of Science discipline

6) Coordinator with Designation:

Name and Designation of Course Coordinator and Co-faculty:

- Dr. M A Rizvi, Professor, CSEE, NITTTR, Bhopal
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7) Name and Designation of Course Coordinator and Co-faculty:

- Dr. Nishit Dubeyi, Professor, Coordinator Extn Centre, Ahmedabad, NITTTR Bhopal
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8) Programme Schedule: As enclosed

Tentative Schedule

Day	Session 1 09:30 AM-11.00 AM	Session 2 11.00 AM -12.30 PM	Session 3 1.15 PM -2.30 PM	Session 4 2.30 PM -4.00 PM
21-07-2025 Monday	Registration Introduction of Participants & Orientation Expectations Analysis Programme Brief	NEP 2020- Higher Education System and its implications	Emerging Roles and Responsibilities of Higher Education Teachers	Task-1
22-07-2025 Tuesday	Domains of Learning: Cognitive Domain, Psychomotor Domain Dave's Taxonomy Effective Domain Krathwohl's taxonomy	Overview of OBE Outcome-based Curriculum, Introduction & Perspective	Task-2 Outcomes in different learning domains	Classroom Communication and Presentation Skills
23-07-2025 Wednesday	Outcomes at the Course level	Task-3	Outcome-Based Teaching-Learning Approaches (Improved Lecture Method, Group-based learning, Q-A Tutorial, Demonstration)	
24-07-2025 Thursday	ICT Tools in Teaching: OER and its types Flipped and Blended Learning		Project-based learning Problem-based Learning	Outcome-Based assessment: Its types: Formative & Summative Assessments
25-07-2025 Friday	Assessment Tools Rubrics Task 4: Design of Rubrics	Industry Institute Interaction for Academic Excellence	Question & Answer Achievement Test	Valedictory

Lunch Time: 12:30 PM to 01:15 PM

Course on Core Teaching Skills (NC-65)

Assessment Scheme

Tasks	% Weightage
Task 1: Roles and Responsibilities of Teachers	10
Task 2: Outcomes in Different Learning Domains	10
Task 3: Write Course outcomes of the selected Course	10
Task 4: Design of Rubrics	10
Task 5: Develop a quiz using any digital assessment tool (Assignment)	10
Task 6: Question & Answer Achievement Test	50
Total	100