BHUJBAL KNOWLEDGE CITY Mumbai Educational Trust	**MET's Institute of Technology (Polytechnic), Nashik** **Department of Information Technology (Inst. Code: 0776)** **(NBA Accredited Programme)** www.metbhujbalknowledgecity.ac.in

AY:2026-27

Name of Activity	Two-Day Faculty Development Programme (FDP) on Generative AI for Smart Teaching & Assessment
Academic Year	2026–2027
Department	Department of Information Technology
Institute	MET's Institute of Technology Polytechnic, Nashik
Date	11 August 2026 and 12 August 2026
Venue	Hardware and Networking Lab (104)
Target Participants	Faculty Members
Number of Staff	51
Resource Person	Ms. Siraj Tiwari
Designation	Design and development Engineer
Activity Coordinator	Mrs. P. M. Takate and Mrs. Anumeha Lal
Co-Coordinator	Ms. V. R. Patil

Objective of the Activity

- To familiarize faculty members with the fundamentals of Artificial Intelligence (AI) and Generative AI and their applications in technical education.
- To develop skills required to effectively use AI-powered tools for lesson planning, content creation, presentations and classroom engagement.
- To enable participants to design innovative teaching-learning resources, quizzes, assignments and assessments using Generative AI.
- To enhance faculty productivity by integrating AI into routine academic and administrative tasks.

Applicable Programme Outcomes (POs) :

PO No.	POs	Reason
PO1	Engineering Knowledge	Enhances understanding of AI and Generative AI concepts and their applications in technical education.
PO3	Design / Development of Solutions	Supports the design and development of innovative teaching-learning resources, quizzes and assessments.

PO5	Engineering Tool Usage	Develops awareness and application of modern AI-powered tools for academic activities.
PO9	Communication	Supports the preparation of effective educational content, presentations and teaching resources.
PO10	Project Management & Finance	Encourages improved productivity and efficient management of routine academic and administrative tasks.
PO11	Life-Long Learning	Encourages faculty members to continuously learn and adapt to emerging AI technologies and changing educational practices.

Applicable Programme Educational Objectives (PEOs) :

PEO No	PEO	Reason
PEO I	Knowledge & Career Growth	Enhances professional knowledge and encourages continuous learning of emerging technologies.
PEO II	Software & Hardware Skills	Develops familiarity with modern AI-powered software tools and their applications.
PEO III	Design & Programming Skills	Supports the development of innovative digital teaching resources and assessment materials.

Applicable PSO's :

PSO No.	PSOs
PS01	**Modern Information Technology:** Promotes awareness and application of modern AI technologies in teaching and assessment.
PSO2	**Information Technology Process:** Encourages the integration of AI-powered tools into academic processes and routine activities.

Topics Covered	Activities Conducted	Learning Outcomes
Fundamentals of Artificial Intelligence and Generative AI	Introduction to AI and Generative AI and discussion on their applications in technical education.	Faculty members understood the fundamentals of AI and Generative AI and their relevance to technical education.
AI-Powered Tools for Lesson Planning	Guidance on using AI-powered tools for lesson planning and preparation of teaching content.	Faculty members gained awareness of using AI tools to improve lesson planning.
Content Creation and Presentations	Guidance on creating educational content and presentations using AI-powered tools	Faculty members understood how Generative AI can support the preparation of teaching-learning resources and presentations.
Classroom Engagement	Discussion on using AI-powered tools to improve classroom engagement.	Faculty members gained ideas for integrating AI into classroom teaching practices.
Academic and Administrative Tasks	Discussion on integrating AI into routine academic and administrative activities.	Faculty members understood the potential of AI to improve productivity and efficiency in academic work.
Quizzes, Assignments and Assessments	Guidance on designing quizzes, assignments and assessment resources using Generative AI.	Faculty members understood how AI can assist in preparing innovative assessment materials.



Activity Outcomes:

- Faculty members gained an understanding of AI and Generative AI applications in technical education.
- Participants developed awareness of AI-powered tools for lesson planning, content creation and presentations.
- The FDP encouraged the integration of emerging technologies into teaching-learning practices.
- Participants gained awareness of improving productivity in academic and administrative activities.



Ms.V.R.Patil	Mrs.P.M.Takate & Mrs.Anumeha lal	Mr. S.B.Patil
Prepared by	**FDP Incharge**	**HOD**