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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

REPORT

5 Days National-Level Online
Faculty Development Programme

on

Artificial Intelligence Tools for Innovative Teaching Pedagogy

Organized By	Department of Computer Science & Engineering St. Thomas College of Engineering & Technology, Chengannur
Date	June 22 – 26, 2026
Time	1:30 PM – 3:00 PM (Daily)
Mode	Online (Google Meet)
Convenor	Dr. Bibin Vincent Professor and HOD, Department of CSE
Coordinator	Prof. Juby Raju, Associate Professor, CSE
Co-Coordinators	Prof. Aswathy R & Prof. Santhymol T Assistant Professors, CSE

1. About the Programme

This Five-Day National-Level Online Faculty Development Programme was organized by the Department of Computer Science & Engineering, St. Thomas College of Engineering & Technology, Chengannur, Alappuzha. The programme aimed to empower faculty members with the knowledge and practical skills required to effectively integrate Artificial Intelligence tools into their teaching and research practices.

2. Objectives

- To introduce participants to the foundational concepts of AI in higher education.
- To enable faculty to design AI-enhanced lesson plans and course content.
- To modernize assessment strategies through adaptive and personalized learning approaches.
- To build competency in using AI tools for academic research, writing, and citation management.
- To foster a strong sense of ethical responsibility in the use of AI tools.

3. Registration & Participation Overview

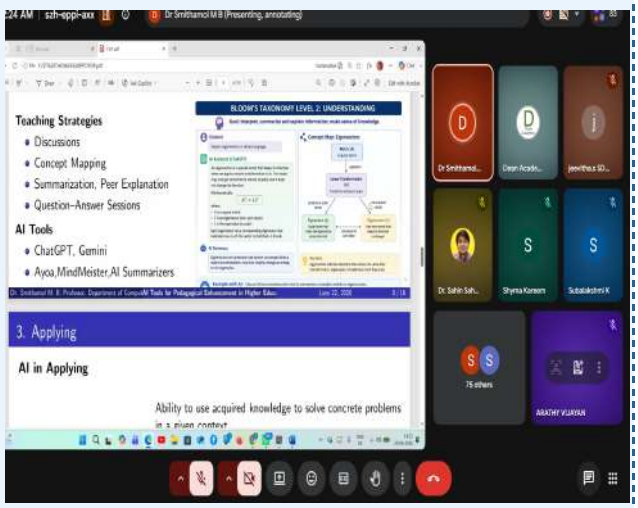
Category	Count	Remarks
Total Registered	115	
Faculty Members	29	
Research Scholars	6	
Industry Professionals	1	
PG Students	7	
Institutions Represented	20	
States Represented	52	
Certificates Issued	115	

DAY 1 • June 22, 2026 (Monday)
AI Tools for Pedagogical Enhancement in Higher Education

Resource Person

Dr. Smithamol M B
Principal, LBS Institute of Technology for Women, Trivandrum

Session Screenshot / Photo



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Session Summary

The session focused on the application of Bloom's Taxonomy in higher education and the integration of Artificial Intelligence (AI) tools to support teaching and learning processes. The discussion began with an overview of Bloom's Taxonomy, emphasizing its hierarchical structure of cognitive learning levels, including Remember, Understand, Apply, Analyze, Evaluate, and Create. The session highlighted how these levels can be used in curriculum design, assessment preparation, and outcome-based education.
The session provided valuable insights into the effective integration of AI technologies in educational environments, enabling educators to align teaching strategies with learning outcomes and promote higher-order thinking skills among students. The session concluded by emphasizing the importance of responsible and meaningful use of AI tools in enhancing the quality of higher education.

Key Topics Covered

- *Introduction to Bloom's Taxonomy and its cognitive levels*
- *Role and significance of Bloom's Taxonomy in higher education*
- *Overview of Artificial Intelligence in education*
- *AI support learning across cognitive level*

Participant Engagement & Interactions

Participants actively interacted by asking questions, sharing their perspectives on integrating AI into teaching and learning practices, and discussing real-world educational scenarios. The mapping of AI tools to Bloom's Taxonomy generated meaningful discussions regarding innovative teaching strategies and the enhancement of higher-order thinking skills. The interactive nature of the session created a collaborative learning environment and encouraged knowledge sharing among participants.

Attendance & Feedback

Parameter	Details
Participants Online	83
Feedback Score	*4/ 5*
Session Duration	*1Hr 20 mins*

Learning Outcomes Observed

The session enabled participants to gain a clear understanding of Bloom's Taxonomy and its application in higher education. Participants demonstrated improved awareness of the role of Artificial Intelligence in teaching and learning processes. They were able to identify and relate different AI tools to various cognitive levels of Bloom's Taxonomy and understand their practical educational applications.

Reported by (Session Coordinator):

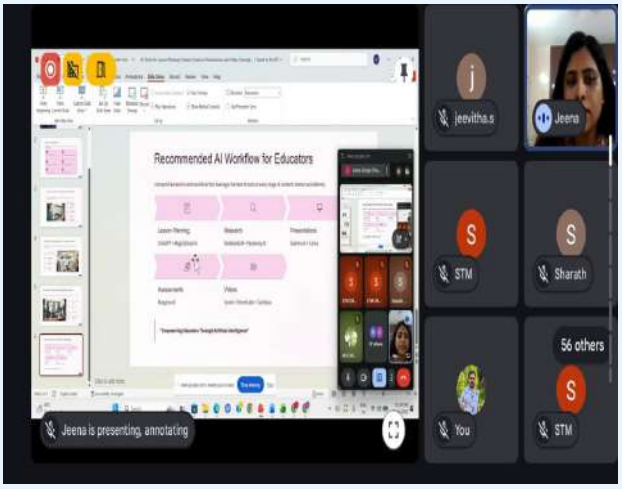
Name: Prof.Arathy Vijayan
Date: 22-06-2026
Signature:

DAY 2 • June 23, 2026 (Tuesday)
AI-Enhanced Lesson Plans, Content & Visual Presentations

Resource Person

Prof. Jeena George
Assistant Professor, Providence College of Engineering, Chengannur

Session Screenshot / Photo



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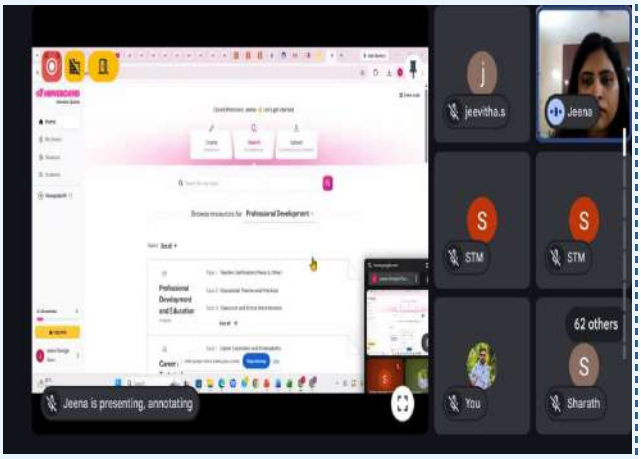

Session Summary

*Prof. Jeena George from Providence College of Engineering conducted three engaging FDP sessions on **NotebookLM**, **Wayground**, and **Gamma AI**. She explained each tool in detail through live demonstrations, highlighting their applications in teaching and content creation. The sessions were highly interactive, with participants actively raising questions that were addressed clearly and effectively. The FDP provided faculty members with practical knowledge and hands-on exposure to AI-powered educational tools.*

Key Topics Covered

- *Notebook LM*
- *Wayground*
- *Gamma AI*

Participant Engagement & Interactions

Participants primarily raised queries about the paid versions of NotebookLM and Wayground. They also asked about the Mind Map and Audio Overview features in NotebookLM, as well as the process of adding videos in Wayground. All the queries were addressed with clear explanations and practical demonstrations.

Attendance & Feedback

Parameter	Details
Participants Online	90
Feedback Score	*4 / 5*
Session Duration	*80mins*

Learning Outcomes Observed

Participants were able to understand the key features and practical applications of NotebookLM, Wayground, and Gamma AI. They gained hands-on knowledge of using these AI tools for content creation, interactive learning, presentations, and academic tasks. Participants also developed the confidence to integrate these tools into their teaching practices, meeting the session's objective of enhancing AI-enabled teaching and learning skills.

Reported by (Session Coordinator):
Name: Prof. Mahesh S
Date: 23/06/2026
Signature:

DAY 3 • June 24, 2026 (Wednesday)

AI-Powered Assessment Design: Quizzes, Rubrics & Adaptive Learning

Resource Person

Dr. Shailesh Sivan
Principal AI Architect, Laennec All India Pvt. Ltd., LaennecAI

Session Screenshot / Photo

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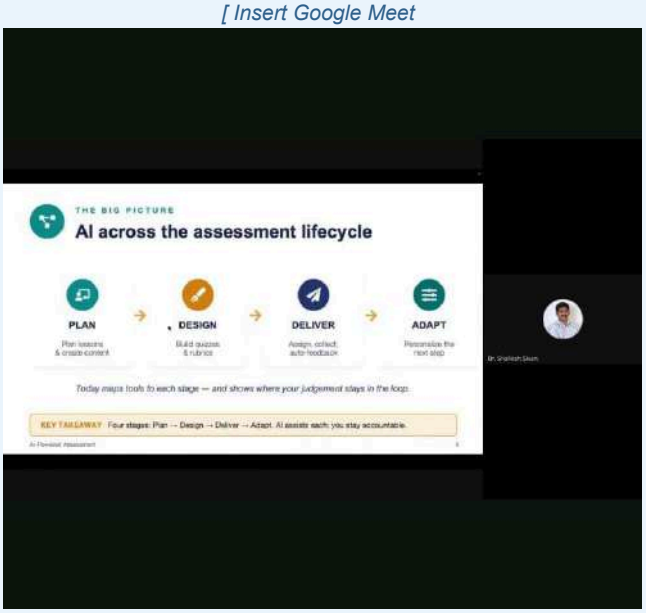

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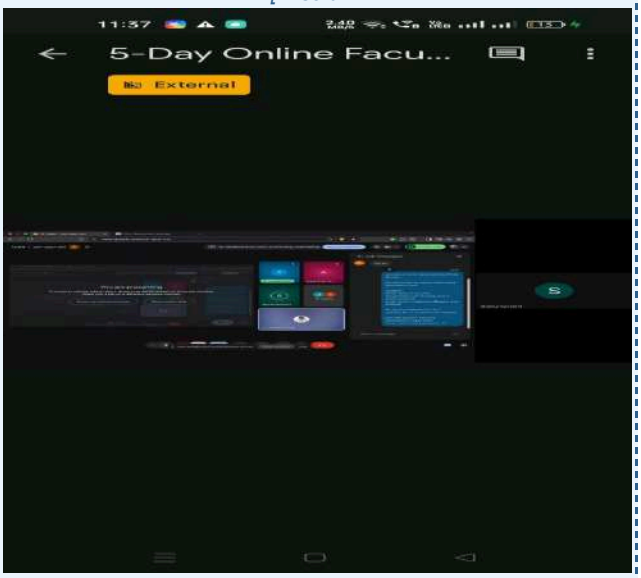

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Session Summary

The AI-Powered Assessment session explored how Artificial Intelligence can enhance the entire assessment process by supporting lesson planning, content creation, quiz generation, rubric development, feedback, and adaptive learning. Participants were introduced to various AI tools, effective prompting techniques, and practical workflows for designing high-quality assessments while emphasizing the importance of teacher review for accuracy, fairness, and alignment with learning outcomes.

Key Topics Covered

- *Designing AI-assisted quizzes using effective prompting techniques*
- *Developing rubrics and AI-assisted feedback strategies*
- *Quality assurance of AI-generated assessment items*
- *Practical classroom activities on quiz and rubric generation*

Participant Engagement & Interactions

The session was highly interactive, with participants actively engaging in discussions, sharing their experiences with AI tools, and participating in two hands-on activities focused on AI-generated quiz design and rubric development.

Attendance & Feedback

Parameter	Details
Participants Online	*70*
Feedback Score	*4.5 / 5*
Session Duration	*60 mins*

Learning Outcomes Observed

By the end of the session, participants demonstrated an understanding of the role of AI in enhancing teaching and assessment, gained familiarity with a range of AI-powered educational tools, and developed the ability to generate quizzes, design rubrics, and provide AI-assisted feedback using effective prompting techniques.

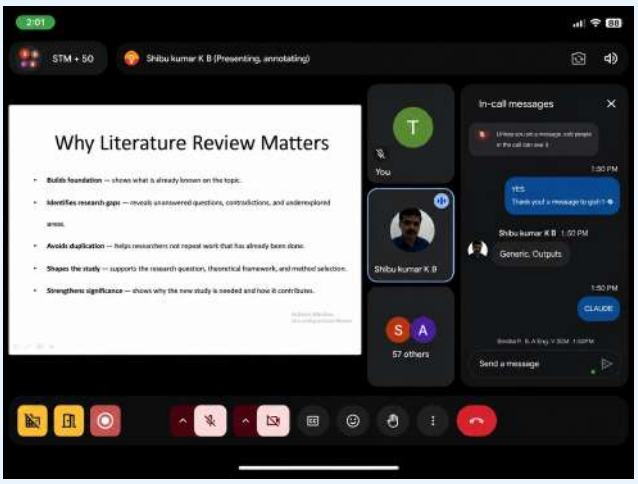
Reported by (Session Coordinator):
Name: Prof.Nimisha Philip
Date: 25/06/2026

Signature:

Resource Person

Dr. Shibu Kumar K B
Associate Professor, Rajiv Gandhi Institute of Technology, Kottayam

Session Screenshot / Photo



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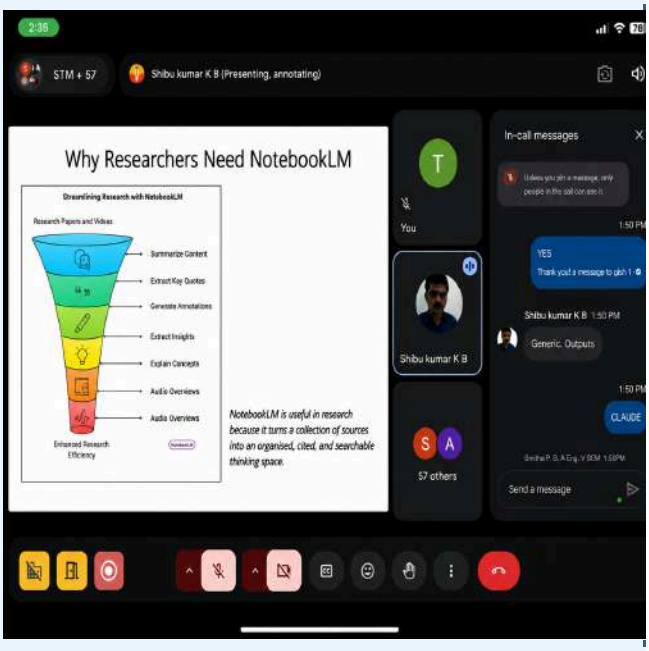


Session Summary

*Dr. Shibu Kumar K. B. conducted an FDP session on **AI Tools for Research, Writing, Citation and Ethical Use in Academia**. The session gave a comprehensive overview of how AI is transforming academic research while stressing academic integrity and ethical standards, covering stages from problem identification and literature review to methodology, analysis, and publication. The resource person demonstrated tools including **Perplexity, Elicit, Moara AI, NotebookLM**, and AI coding assistants such as GitHub Copilot and Cursor, showing how each supports different stages of research, writing, and citation management. A significant part of the session focused on ethical AI use, including publisher policies, with an emphasis on AI enhancing—not replacing—human thinking.*

Key Topics Covered

- *Stages of the research process and AI's role in academic research*
- *AI tools for literature review and academic writing (Perplexity, Elicit, Moara AI, NotebookLM)*
- *AI coding assistants and tools for data analysis, bibliography management & citation mapping*
- *Ethical use of AI in academia and publisher policies (Elsevier, IEEE, ACM, Sage, Wiley, Taylor & Francis)*
- *Disclosure norms: AI permitted for grammar, brainstorming & editing, but not as an author or for undisclosed AI-generated content.*

Participant Engagement & Interactions

Participants engaged actively, raising questions on the practical use of the demonstrated AI tools and on distinguishing ethical from unethical use, including publisher disclosure norms. All queries were addressed with clear explanations and examples.

Attendance & Feedback

Parameter	Details
Participants Online	*[90]*
Feedback Score	*[5] / 5*
Session Duration	*[80] mins*

Learning Outcomes Observed

Participants gained a clear understanding of how AI tools can support each stage of research, from literature review and writing to citation and bibliography management, and became familiar with tools such as Perplexity, Elicit, Moara AI, and NotebookLM. They also developed a stronger sense of how to use AI ethically in academic work, meeting the session's objective of building competency and ethical awareness in AI-assisted research.

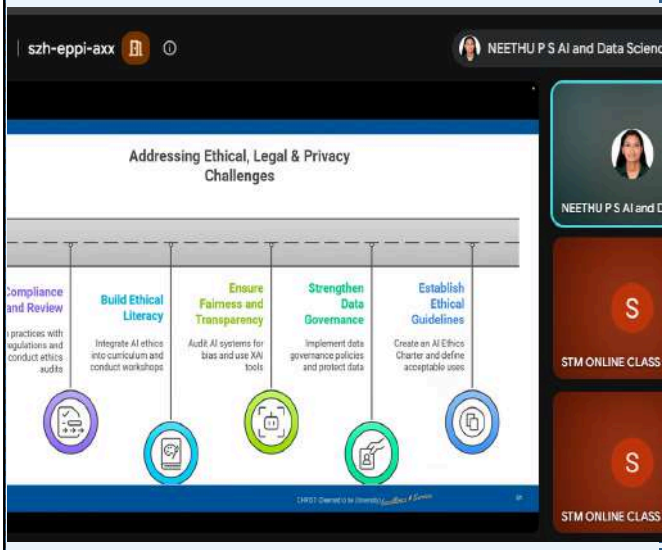
Reported by (Session Coordinator):
Name:Prof.Teena M Thomas
Date: 25/06/26
Signature:

DAY 5 • June 26, 2026 (Friday)
Hands-on AI Tool Practice & Roadmap to an AI-Ready Department

Resource Person

Dr. Neethu P S
Associate Professor
Christ University Bangalore

Session Screenshot / Photo



Additional Photo / Screenshot

Session Summary

The session, delivered by Dr. Neethu P S of Christ University, examines institutional readiness for adopting AI in higher education. It opens with a cautionary case study—an AI plagiarism checker rolled out without preparation, causing confusion and anxiety—to argue that the real barrier to AI adoption is institutional readiness, not technology itself. The talk identifies six readiness dimensions: vision and leadership, policy and governance, infrastructure and data systems, faculty competence, curriculum and pedagogy, and ethics/privacy. It also surveys four major challenge categories—cultural/people resistance, technical/operational gaps, ethical/legal/privacy risks (illustrated by a facial-recognition data breach scenario), and financial/strategic planning issues.

Key Topics Covered

- *AI in Education*
- *AI Readiness - Dimensions*
- *Faculty Competence & Capacity Building*

Participant Engagement & Interactions

The session was structured as an interactive workshop, with six activities guiding participants to self-assess their institution's readiness and collaboratively build a one-year AI adoption roadmap.A Quiz session was conducted at the end of the session , 3 participants scored full marks.

Attendance & Feedback

Parameter	Details
Participants Online	*55*
Feedback Score	*5/ 5*
Session Duration	*70 mins*

Learning Outcomes Observed

By the end of the session, participants could apply the six-dimension readiness framework (vision, policy, infrastructure, faculty, curriculum, ethics) to assess their own institution's AI readiness and identify specific barriers and enablers relevant to their context. Through the hands-on activities, they translated this understanding into a concrete, co-created one-year AI adoption roadmap grounded in responsible and ethical practice

Reported by (Session Coordinator):
Name: Prof. Jissin Kurien Date: 26/06/2026
Signature:

Overall Programme Summary

The Five-Day National-Level Online Faculty Development Programme on "Artificial Intelligence Tools for Innovative Teaching Pedagogy" successfully enhanced participants' knowledge and practical skills in integrating AI into teaching, assessment, research, and academic practices. Through expert-led sessions, live demonstrations, hands-on activities, and interactive discussions, participants gained proficiency in AI-powered tools for lesson planning, content creation, assessment design, adaptive learning, ethical AI use, and institutional AI readiness. The programme received an enthusiastic response and positive feedback, reflecting its effectiveness in strengthening AI literacy, promoting responsible AI adoption, and empowering educators to implement innovative, learner-centered teaching practices in higher education.

Key Outcomes & Takeaways

- *Enhanced participants' competency in using AI tools for teaching, assessment, research, and academic content creation.*
- *Developed practical skills in designing AI-assisted lesson plans, quizzes, rubrics, and adaptive learning activities.*
- *Improved awareness of ethical AI practices, academic integrity, and responsible use of AI in higher education.*
- *Strengthened participants' confidence in integrating AI-powered tools into their teaching and research workflows.*
- *Promoted learner-centered, innovative, and outcome-based teaching practices through AI-enabled pedagogical approaches.*
- *Encouraged institutions to adopt a strategic roadmap for AI readiness, digital transformation, and continuous faculty development.*

Feedback Analysis

The Five-Day Faculty Development Programme received an overwhelmingly positive response from participants, reflecting the relevance, quality, and practical value of the sessions. Across all five days, the sessions recorded consistently high feedback ratings, with an overall average score of approximately 4.5/5. Participants appreciated the expertise of the resource persons, the well-structured content, live demonstrations, hands-on activities, and the practical exposure to a wide range of AI tools for teaching, assessment, research, and academic writing. Many participants highlighted the interactive nature of the sessions, the immediate applicability of the tools in classroom practice, and the emphasis on ethical and responsible AI use. Suggestions for improvement included allocating additional time for hands-on practice, conducting more advanced tool-specific workshops, and providing extended demonstrations and follow-up sessions to facilitate deeper learning. Overall, the feedback indicates that the FDP successfully met participants' expectations and significantly enhanced their confidence in integrating AI into higher education teaching and learning practices.

Valedictory / Closing Remarks

The valedictory session marked the successful conclusion of the Five-Day National-Level Online Faculty Development Programme on "Artificial Intelligence Tools for Innovative Teaching Pedagogy." The programme concluded with closing remarks by Dr. Bibin Vincent, Convenor and Head of the Department of Computer Science & Engineering, who appreciated the enthusiastic participation of the resource persons and attendees throughout the programme. He highlighted the importance of adopting Artificial Intelligence responsibly to enhance teaching, assessment, research, and institutional development. E-certificates were distributed to all eligible participants who successfully fulfilled the attendance requirements. The session concluded with a vote of thanks by the Programme Coordinator, Prof. Aswathy R, expressing gratitude to the management, Principal, resource persons, organizing committee, and participants for their valuable contributions in making the FDP a successful and enriching learning experience.

Prof. Juby Raju Coordinator	**Dr. Bibin Vincent** Convenor & HOD, CSE	**Dr. C Sathish Kumar** Principal