ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM (FDP)
ON
DESIGN THINKING FOR NEXT GENERATION AI SOLUTIONS

17 Nov 25 to 22 Nov 25

Organized by
Department of Computer Science & Engineering
Faculty of Engineering & Technology
Gurukula Kangri Deemed to be University
Haridwar, Uttarakhand

Registration

How to Register

There is no registration fee. Registration can be done from AICTE ATAL portal.

Who Can Register

Post Graduate Students/ Research Scholars/ Faculty Members / Industry Professionals

Expert Talks by Industry & Academia

Hands-on Training & Live Demonstrations

Case Studies & Research-Oriented Learning

Certification upon Successful Completion

Coordinator:
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ABOUT UNIVERSITY

Gurukula Kangri established in 1902 is a deemed to be university-funded by the UGC, Govt. of India. It has three Campuses—Main Campus (Haridwar), Kanya Gurukula Campus (Haridwar) and Kanya Gurukula Campus (Dehradun) with Ten faculties—Oriental Studies, Humanities, Science, Life Science, Management Studies, Technology, Engineering & Technology, Medical Science & Health and others. It was the first Non-British University to be established in India in 1902 by Swami Shraddhanandji. It was established to impart education through the traditional Indian Gurukula System with synthesis between timeless ancient Indian thought and modern science. The distinguished services of this institution to the nation were recognized and it was given the status of Deemed to be University in 1962 by University Grants Commission..
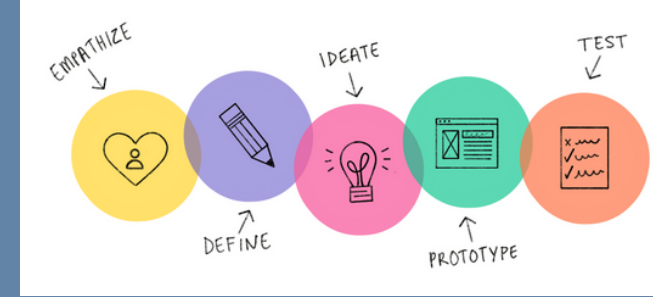
ABOUT FET

In the year 2000 Faculty of Engineering & Technology was established with an aim of imparting technical education in the spiritual surroundings of the Gurukula System. Keeping in mind the importance of technocrats with strong moral character, superior knowledge, and devotion to the nation. FET was established with a motto of Building Technocrats with ethics. FET is known in India and abroad for students with virtuous moral character and Technical abilities. Currently, it is providing education in B. Tech. in Computer Science & Engineering, Electronics & Communication Engineering, Electrical Engineering, and Mechanical Engineering. FET is one of the richest faculty of Gurukula Kangri (Deemed to be University), with a huge number of books in the library, well-equipped electronics electrical and mechanical laboratories, latest software, and computers in computer labs. Football field, Tennis court, Volleyball court, Basketball arena, and open gym for the students with athletic interests.

OBJECTIVE

The Faculty Development Program (FDP) titled "Design Thinking for Next Generation AI Solutions" aims to equip educators, researchers, and professionals with an in-depth understanding of design thinking principles and their critical role in developing innovative, user-centric AI solutions. The program focuses on fostering a creative problem-solving mindset that blends empathy, ideation, and experimentation to address complex real-world challenges through AI. By integrating design thinking with emerging AI technologies, participants will learn to reframe problems, co-create value with stakeholders, and develop sustainable and ethical solutions. The FDP will provide hands-on experience, collaborative learning environments, and exposure to case studies and frameworks that bridge the gap between AI theory and practical implementation. The overarching goal is to empower faculty members to foster innovation and interdisciplinary thinking among students while contributing to the advancement of responsible and impactful AI-driven solutions for society.

OUTCOME

Upon successful completion of the FDP, participants will be able to apply design thinking methodologies effectively in the conceptualization and development of AI-driven solutions. They will gain the ability to empathize with end users, define critical problems, ideate innovative solutions, and prototype AI applications that address real-world needs. Faculty will be better equipped to guide students and research scholars in developing user-centric, scalable, and ethical AI systems. Additionally, participants will develop interdisciplinary collaboration skills and enhance their understanding of how human-centered design complements AI technologies in sectors such as healthcare, education, environment, and governance. The FDP will also empower educators to integrate design thinking and AI principles into academic curricula, projects, and research, thereby fostering a culture of innovation and entrepreneurship. Ultimately, the program will contribute to building a skilled academic community capable of leading the next generation of transformative AI initiatives.

CERTIFICATION

Certificates will be given after fulfilling the following criteria:
Attendance - 80% Minimum
Score in Weighted Evaluation-70%
Feedback submitted in the AICTE ATAL Portal

TOPICS TO BE COVERED

- Introduction to Design Thinking: A Human-Centric Approach to Innovation
- The Intersection of Design Thinking and Artificial Intelligence
- Empathy in AI: Understanding User Needs for Better AI Models
- Framing the Right Problem: Define Stage in AI Innovation
- Ideation Techniques for AI-Driven Solutions
- Prototyping AI Applications: From Concept to Reality
- Testing AI Solutions through User Feedback and Iteration
- Ethics, Bias, and Inclusivity in AI Design
- AI in Social Innovation: Solving Complex Societal Problems
- Design Thinking for Responsible and Explainable AI
- Integrating Design Thinking into AI Curriculum and Pedagogy
- Future Trends: Design-Driven AI Innovation and Industry 5.0

ATAL Online 6 Day Faculty Development Programme Schedule

FDP Title: Design Thinking for Next Generation AI Solutions

Start Date: 17/11/2025

*There is no registration fee

End Date: 22/11/2025

Day 1 : 17 Nov 25	Day 2 : 18 Nov 25	Day 3 : 19 Nov 25	Day 4 : 20 Nov 25	Day 5 : 21 Nov 25	Day 6 : 22 Nov 25
6:00 PM to 6:30 PM **Inaugural Session**	**6:00 PM to 7:30 PM** **Session 3** Name of the Expert : Shikha Maheshwari Designation: Software Architect Organization: IBM Topic to be taught: Agentic AI in Real-World Applications: From Perception to Action	**6:00 PM to 7:30 PM** **Session 5** Name of the Expert : Prof. Aneesha Sharma Designation: Professor Organization: IIT Delhi, Delhi Topic to be taught: Design Thinking process and Empathy	**6:00 PM to 7:30 PM** **Session 7** Name of the Expert: Dr. Sonal Atreya Designation: Assistant Professor Organisation: IIT Delhi Topic to be taught: Empathy in AI: Understanding User Needs for Better AI Models	**6:00 PM to 7:30 PM** **Session 9** Name of the Expert : Prof. Danielle Lake Designation : Director of Design Thinking Organization: Elon University, USA Topic to be taught: Design Thinking Curriculum for Ethical and Effective AI-Usage	**2:00 PM to 3:30 PM** **Session 11** Name of the Expert : Mr Nitin Jain. Designation: Co-Founder Assert AI. Organization:Assert AI Topic to be taught: Ideation Techniques for AI-Driven Solutions
6:30 PM to 8:00 PM **Session 1** Name of the Expert : Dr. Suyash Bhardwaj Designation: Assistant Professor Organization: Gurukula Kangri Vishwavidyalaya Topic to be taught: Introduction to Design Thinking: A Human-Centric Approach to Innovation	**7:30 PM to 9:00 PM** **Session 4** Name of the Expert: Mr. Lalit Pant Designation: Founder And Creator Of Kojo / Kojo-AI Organization: Kogics Foundation Topic to be taught: Prototyping AI Applications: From Concept to Reality	**7:30 PM to 9:00 PM** **Session 6** Name of the Expert : Prof. Kurt Espersen-Peters Designation : Assistant Professor Organization: University of Manitoba Topic to be taught: The role of designer in the time of AI	**7:30 PM to 9:00 PM** **Session 8** Name of the Expert : Aditya Nigam Designation: Associate Professor Organization: IIT mandi Topic to be taught: AI in Social Innovation: Solving Complex Societal Problems	**7:30 PM to 9:00 PM** **Session 10** Name of the Expert: Dr.Mani Madhukar Designation: Program manager Organization: IBM Topic to be taught: Design Thinking for Responsible and Explainable AI	**3:30 PM to 5:00 PM** **Session 12** Name of the Expert : Dr.Mani Madhukar Designation: Program manager Organization: IBM Topic to be taught: Hands-on Workshop: Building a User-Centric AI Prototype
8:00 PM to 9:30 PM **Session 2** Name of the Expert: Dr. Anshul Verma Designation: Assistant Professor Organization: BHU, Varanasi Topic to be taught: Integrating Design Thinking into AI Curriculum and Pedagogy					**5:00 PM to 6:30 PM** **Session 13** Name of the Expert : Dr. Mayank Aggarwal Designation: Professor Organization: Gurukula Kangri Vishwavidyalaya Topic to be taught: Prototyping AI Applications: From Concept to Reality
					6:30 PM to 7.30 PM **Online Test & Feedback**
					7:30 PM to 8:00 **Valedictory Session**