

# AIU-AADC-NCU

organises

Faculty Development Programme (FDP)  
on

## DESIGN THINKING & INNOVATION

9<sup>th</sup> - 13<sup>th</sup> December, 2024

Hosted by the Department of Multidisciplinary Engineering  
The NorthCap University, Gurugram, Haryana, India

Under

Academic & Administrative Development Centre (AADC)  
Established by Association of Indian Universities (AIU)





## About The NorthCap University

Established in 1996, formerly known as ITM University, The NorthCap University (NCU) is a progressive multidisciplinary university located in the city-centre of Gurugram, Haryana. NCU operates multiple schools and departments in its state-of-the-art sustainable, tech-first, campus and hosts a diverse body of engineering & technology, management, liberal arts, law, applied sciences, business and media and entertainment students.

NCU is a National Assessment and Accreditation Council (NAAC) Grade A accredited university that serves as a research as well as talent catalyst between students and industry. Guided by eminent academicians and industry leaders, it follows an immersive pedagogy to deliver undergraduate, postgraduate as well as doctoral programmes.

**3,400<sup>+</sup>**

**STUDENTS**

**13,000<sup>+</sup>**

**ALUMNI  
NETWORK**

**200<sup>+</sup>**

**PLACEMENT  
PARTNERS**



# About

## Association of Indian Universities

The formation of the Inter-University Board (IUB) of India as an Apex Inter-University Organization on March 23, 1925, in a meeting of Vice Chancellors/their representatives at Bombay University was the culmination of the need to bring together all the universities in India on a common platform through a coordinating body, to protect the interest of the students as well as the universities. The objective was to promote university activities, especially by way of sharing information and increasing co-operation in the field of education, culture, sports and allied areas. Prior to this, having such an organization in India was recommended by the Sadler Commission in 1919 followed by a resolution, made in the Conference of Vice Chancellors of the Indian Universities convened at Shimla in 1924. The Inter-University Board acquired a legal status with its registration as a Society under the Societies Registration Act, 1860, on September 29, 1967, and was renamed as Association of Indian Universities (AIU) in 1973. Since its inception AIU is actively engaged in the growth and development of Higher Education. The membership of AIU includes all types of universities e.g. Conventional Universities, Open Universities, Deemed to be Universities, State Universities, Central Universities, Private Universities and Institutes of National Importance. In addition to Indian Universities, 13 Universities/Institutes from Bangladesh, Bhutan, Republic of Kazakhstan, Malaysia, Mauritius, Nepal, Thailand, United Arab Emirates and United Kingdom are its Associate Members

# Objectives

## of the Faculty Development Programme

- **Understanding the principles and methodologies of design thinking:** Participants will gain a comprehensive understanding of the design thinking process, including empathy-driven problem-solving, ideation, prototyping, and testing.
- **Enhancing creative problem-solving skills:** The FDP aims to equip faculty members with tools and techniques to foster creativity and innovation in their teaching and research endeavors.
- **Integrating design thinking into curriculum development:** Participants will learn how to integrate design thinking principles into course design and delivery, fostering a more engaging and interactive learning experience for students.
- **Cultivating a user-centric mindset:** Faculty members will develop an appreciation for the importance of empathy and user-centric design in addressing real-world challenges and opportunities.
- **Promoting interdisciplinary collaboration:** The FDP will encourage participants to collaborate across disciplines to leverage diverse perspectives and approaches in problem-solving and innovation.
- **Applying design thinking to research and projects:** Participants will learn how to apply design thinking methodologies to their research projects, fostering a more creative and impactful approach to scholarly inquiry.
- **Fostering a culture of innovation:** The FDP aims to inspire faculty members to become champions of innovation within their academic institutions, fostering a culture of continuous improvement and creativity.
- **Building a supportive community of practice:** Participants will have the opportunity to network and collaborate with peers who share an interest in design thinking, providing ongoing support and inspiration beyond the duration of the programme.

# Glimpse of Programme

## Day 1: 9<sup>th</sup> December, 2024

Session	Topic	Details
12:30 PM - 1:00 PM	Inauguration	Inauguration Ceremony
1:00 PM - 2:30 PM	Introduction to the EDIPT Design Thinking Model	Empathy, Define, Ideate, Prototype, Testing
2:30 PM - 3:00 PM	Lunch Break	
3:00 PM - 5:00 PM	Opportunities in disguise	Identifying Problem Areas and Pain Points (What bothers you?)

## Day 2: 10<sup>th</sup> December, 2024

Session	Topic	Details
12:30 PM - 2:30 PM	Introduction to Empathy phase	Empathise: Stepping into the User's Shoes Activity - Persona building
2:30 PM - 3:00 PM	Lunch Break	
3:00 PM - 5:00 PM	Empathy Mapping	Visualising User Experiences Activity - Empathy map

## Day 3: 11<sup>th</sup> December, 2024

Session	Topic	Details
12:30 PM - 2:30 PM	Introduction to Define phase	Framing the Right Problem (POV) Activity - Customer journey map
2:30 PM - 3:00 PM	Lunch Break	
3:00 PM - 5:00 PM	Introduction to Ideate phase	Generating Creative Solutions Activity - Brainwriting/mind mapping

## Day 4: 12<sup>th</sup> December, 2024

Session	Topic	Details
12:30 PM - 2:30 PM	Innovation, Product design & development	Innovation vs Invention, Product development cycle
2:30 PM - 3:00 PM	Lunch Break	
3:00 PM - 5:00 PM	Introduction to Prototyping phase	Prototyping: Bringing Ideas to Life

## Day 5: 13<sup>th</sup> December, 2024

Session	Topic	Details
12:30 PM - 2:00 PM	Introduction to Testing phase	Testing: Iterative Feedback and Refinement
2:00 PM - 2:30 PM	Lunch Break	
2:30 PM - 4:00 PM	Design Thinking for All	Scaling and Implementing Design Thinking in Organisations
4:00 PM - 5:00 PM	Assessment Quiz and Valedictory	



# Design

## Thinking and Innovation

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**Prerequisites:** None

### Who should pursue this FDP/Capacity Development Programme?

- Faculty members and research scholars from diverse academic backgrounds
- Recently appointed faculty members
- Faculty members currently pursuing PhD
- MTech and PhD Research scholars aiming to expand their expertise
- Working professionals and project managers seeking specialized skills
- Academicians dedicated to advancing knowledge in their fields
- Technical staff supporting academic and research initiatives

Overall, the FDP is open to participants who are passionate to explore design thinking as a powerful approach and fostering innovation and creativity in education, research, and industry.

### Trainers are Certified Experts from Industry and Academia

- Corporate Trainers and Programme Leaders for 'Design Thinking and Innovation'
- Faculty from IIT Delhi
- Design Thinking NPTEL Certified Internal Experts

### Who should pursue this FDP/Capacity Development Programme?

E-Certificate will be awarded jointly by NCU & AIU subject to completion of quiz assessment at the end of the FDP. Attendance for the FDP shall be mandatory for issue of certificate.

### Mode of the FDP

The FDP shall take place in **Hybrid Mode** both online and offline at the University campus.

### Duration

- 20 Hours (04 Hours Per Day for 05 Days)
- Timings: **12:30 pm – 5:00 pm**

## Registration Fee

Registration Fee: **INR 1000/-**

## Payment Details

**Name** - The NorthCap University

**Account no** - 82472010013980

**Bank** - Canara Bank

**IFSC** - CNRB0018247



Participants must pay the fees and then register through the Registration Link: <https://tinyurl.com/5t58yaxx>

Transaction details must also be emailed to: [sumitbhat@ncuindia.edu](mailto:sumitbhat@ncuindia.edu)

## Contact Details

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**Mr. Sumit Bhat,**

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## Patrons



**Prof. Prem Vrat**

Pro-Chancellor  
The NorthCap University, India



**Prof. (Dr.) Nupur Prakash**

Vice Chancellor  
The NorthCap University, India



**Dr. Pankaj Mittal**

Secretary General  
Association of Indian Universities  
(AIU), Delhi, India

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## Programme Chair



**Prof. Sharda Vashisth**

HOD, MDE  
The NorthCap University, India

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## Programme Conveners



**Dr. Vandana Khanna**

Associate Professor  
The NorthCap University, India



**Dr. Satnam Singh**

Associate Professor  
The NorthCap University, India



Supported by



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