

About GTU:

Gujarat Technological University (GTU) is a State University, NAAC A+ Accredited and premier academic and research institution which has driven new ways of thinking since its 2007 founding. Today, GTU is an intellectual destination that draws inspired scholars to its campus, keeping GTU at the nexus of ideas that challenge and change the world. More than 350 institutes of Gujarat are affiliated with the GTU. The University caters to the fields of Engineering, Architecture, Management, Pharmacy and Computer Science. GTU has a research and skilled based ecosystem in various emerging fields for the benefits of the stakeholders of the University.

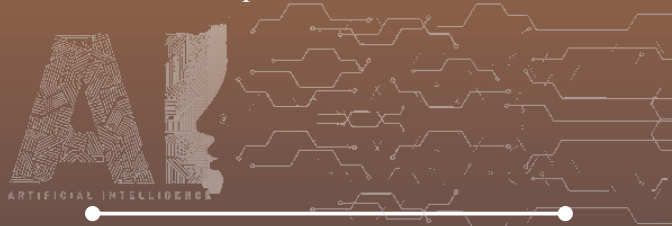
About Aryabhatta Center for Capacity Development

- The Aryabhatta Center for Capacity Development (ACCD) is established by Gujarat Technological University to lead structured, sustainable, and impactful capacity-building initiatives for faculty members, researchers, and administrative staff.
- The ACCD works in alignment with National Education Policy (NEP) 2020, Viksit Bharat @2047, Malaviya Mission Teacher Training Program (MM-TTP), and other national-level initiatives, ensuring that GTU remains a frontrunner in academic innovation and leadership.
- To be a centre of excellence in capacity building, nurturing globally competent academic leaders and professionals who drive innovation, research, and industry.

About FDP

Objectives of the FDP are

- Introduce foundational concepts of Microsoft Azure cloud services, Artificial Intelligence applications, and cybersecurity essentials to participants.
- Provide hands-on exposure to tools and platforms offered by Microsoft Azure for AI model deployment, cloud computing, and secure data handling.
- Advance knowledge of cutting-edge developments in AI, cloud, and security through specialized sessions in the “Advances” track.
- Enable faculty members to integrate cloud and AI security knowledge into their teaching, research, and institutional practices.



Chief Patron

Dr. Rajul K. Gajjar, Hon'ble Vice Chancellor, GTU

Patron

Dr. K. N. Kher, Registrar, GTU

Convener

Dr. Komal R. Borisagar, Associate Professor, GTU-SET

Coordinator

Dr. Kaushik Kanada
Planning & Development Officer, GTU

Co-Coordinator

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**GUJARAT
TECHNOLOGICAL
UNIVERSITY**
AN INTERNATIONAL INNOVATIVE UNIVERSITY
(Accredited with A+ Grade by NAAC)
State Government University



Faculty Development Program

on

“Basics of AI, Cloud and Security for Multidisciplinary Applications”

06th to 10th October 2025

Organized by

**Aryabhatta Center
for Capacity Development**

**In Association with
Microsoft Elevate**

Hosted by

Gujarat Technological University

Nr. Visat Three Roads,
Visat – Gandhinagar Highway,
Chandkheda, Ahmedabad – 382424

Objectives of ACCD Cell

- Empower faculty and staff through cutting-edge training programs in leadership, pedagogy, and research.
- Integrate industry-oriented skills and emerging technologies into teaching-learning processes.
- Strengthen academic governance through professional development of administrative staff.
- Promote lifelong learning in line with NEP 2020's multidisciplinary and flexible education approach.

Session Details

Day-1: Introduction to AI & Core Concept

This session distinguishes between Machine Learning (ML) and Deep Learning (DL), providing insights into the different types of learning—supervised, unsupervised, and reinforcement learning. It also introduces key algorithms and their real-world applications

Day-2: AI in Applications & Hands-on Workshop

This session focuses on AI's impact across various sectors, such as healthcare, education, agriculture, and manufacturing. It also explores AI for social good and sustainable development.

Day-3 Foundations of Cloud and Azure Security

This session focuses on core cloud principles (IaaS, PaaS, SaaS), Azure services (compute, storage, networking, databases), and marketplace tools. Sessions include Azure security features, compliance offerings, pricing models, and cost management with hands-on labs.

Day-4: Security, Compliance, and Identity in Microsoft Ecosystem

This session focuses on security, compliance, and identity concepts. Introduced Microsoft Entra, security solutions, Service Trust Portal, and Microsoft Purview for data compliance and privacy management, supported with lab activities.

Day-5: Building Intelligent Agents with Microsoft Copilot Studio

Hands-on with Microsoft Copilot Studio—building agents, managing topics, entities, and variables. Sessions on enhancing Copilot agents and applying them in practical workflows with labs.

Session's Industry Experts



Mr. Anoop H. A.

(MCT, Microsoft Authorized Instructor)

Mr. Anoop is a Microsoft Certified Trainer at CloudThat. He has won the MCTQUALITYAWARD and one amongst the Top 100 MCT worldwide for the year 2024-2025.



Mr. Yash Khatod

(Microsoft Certified Trainer)

Mr. Yash is a Microsoft Certified trainer & Research associate. He brings 5+ years of training expertise in Azure Infrastructure, Azure Architect, AI & Generative AI.

Registration Details:

- **Registration Link:**
<https://forms.gle/FrL3w9GQdspegtAG8>
- **Last date of the Registration: 30th September, 2025**
- Open for Faculty Members/ Ph.D.-PG Scholars/ AI Applications and multiple disciplines.
- No TA/DA and Accommodation will be provided
- Registration kits, resource materials, breakfast, lunch and high-tea will be provided.



Scan QR for Registration



Schedule of FDP on Basics of AI, Cloud and Security for Multidisciplinary Applications (Duration- 06-10-2025 to 10-10-2025)				
Day 1	Day 2	Day 3	Day 4	Day 5
9:00 AM - 9:30 AM Inauguration 1. Name of the Expert : Anoop H A 2. Designation : Microsoft Certified Trainer. 3. Organization: Microsoft 4. Experience in Years: 10+ years 5. Walkthrough of the Agenda	9:00 AM - 9:30 AM Inauguration 1. Name of the Expert : Anoop H A 2. Designation : Microsoft Certified Trainer. 3. Organization: Microsoft 4. Experience in Years: 10+ years 5. Walkthrough of the Agenda	9:00 AM - 9:30 AM Inauguration 1. Name of the Expert : Mr. Yash Khatod 2. Designation : Microsoft Certified Trainer. 3. Organization: Microsoft 4. Experience in Years: 10+ years 5. Walkthrough of the Agenda	9:00 AM - 9:30 AM Inauguration 1. Name of the Expert : Mr. Yash Khatod 2. Designation : Microsoft Certified Trainer. 3. Organization: Microsoft 4. Experience in Years: 10+ years 5. Walkthrough of the Agenda	9:00 AM - 9:30 AM Inauguration 1. Name of the Expert : Mr. Yash Khatod 2. Designation : Microsoft Certified Trainer. 3. Organization: Microsoft 4. Experience in Years: 10+ years 5. Walkthrough of the Agenda
9:30 AM - 11 AM Session 1 Introduction to Artificial Intelligence (AI), History and evolution of AI, Types of AI (Narrow AI, General AI), Key trends and	9:30 AM - 11 AM Session 1 Module 1: Core cloud principles, benefits, and Module 2: Overview of compute, networking,	9:30 AM - 11 AM Session 1 Module 1: Introduction to AI concepts Module 2: Get started with machine learning in	9:30 AM - 11 AM Session 1 Module 1: Introduction to security, Module 2: Introduction to Microsoft Entra	9:30 AM - 11 AM Session 1 Module 1: Get started with Microsoft Copilot Studio Module 2: Build an initial agent with Microsoft
11:AM - 11:15 AM Tea Break	11:AM - 11:15 AM Tea Break	11:AM - 11:15 AM Tea Break	11:AM - 11:15 AM Tea Break	11:AM - 11:15 AM Tea Break
11:15 AM - 1:00 PM Session 2 Lab Activity (DL), Supervised, Unsupervised, and Reinforcement Learning, Key algorithms and their applications (Decision Trees, Neural Networks, etc.), Real-world examples and use cases of AI	11:15 AM - 1:00 PM Session 2 Lab Activity Module 3: Explore Azure Marketplace, Resource Manager, and monitoring tools	11:15 AM - 1:00 PM Session 2 Lab Activity Module 3: Introduction to natural language processing concepts	11:15 AM - 1:00 PM Session 2 Lab Activity Module 3: Introduction to Microsoft security solutions	11:15 AM - 1:00 PM Session 2 Lab Activity Module 3: Manage topics in Microsoft Copilot Studio
1:00 PM - 2:00 PM Lunch Break	1:00 PM - 2:00 PM Lunch Break	1:00 PM - 2:00 PM Lunch Break	1:00 PM - 2:00 PM Lunch Break	1:00 PM - 2:00 PM Lunch Break
2:00 PM - 3:30 PM Sesison 3 AI in healthcare, education, agriculture, and manufacturing. AI for social good and Lab Activity Group discussion: Identifying opportunities for AI in various domains	2:00 PM - 3:30 PM Sesison 3 Module 4: Learn about Azure security features, Lab Activity Module 5: Understand pricing models, SLAs, and	2:00 PM - 3:30 PM Sesison 3 Module 4: Introduction to computer vision Lab Activity Module 5: Introduction to AI-powered information	2:00 PM - 3:30 PM Sesison 3 Module 4: Describe Microsoft's Service Trust Lab Activity Module 5: Describe the data compliance	2:00 PM - 3:30 PM Sesison 3 Module 4: Work with entities and variables in Lab Activity Module 5: Enhance Microsoft Copilot Studio agents
3:30 PM - 3:45 PM Tea Break	3:30 PM - 3:45 PM Tea Break	3:30 PM - 3:45 PM Tea Break	3:30 PM - 3:45 PM Tea Break	3:30 PM - 3:45 PM Tea Break
3:45 PM - 5:00 PM Session 4 PyTorch, and Scikit-learn, Simple hands-on exercises to implement basic AI algorithms Q& A session Training Assessment	3:45 PM - 5:00 PM Session 4 Lab Activity of pricing models, SLAs, and cost management tools Q& A session Training Assessment	3:45 PM - 5:00 PM Session 4 Lab Activity Q& A session Training Assessment	3:45 PM - 5:00 PM Session 4 Lab Activity Q& A session Training Assessment	3:45 PM - 5:00 PM Session 4 Lab Activity Q& A session Training Assessment