

ATAL Online 6 Day Faculty Development Programmes 2024-25 Schedule

FDP Thrust Area: Engineering and Management

FDP Title: Emergence of Cloud Computing, Cloud Technologies and Recent Trends

Start Date: 13.01.2025

End Date: 18.01.2025

Day 1 (13.01.2025)	Day 2 (14.01.2025)	Day 3 (15.01.2025)	Day 4 (16.01.2025)	Day 5 (17.01.2025)	Day 6 (18.01.2025)
<p>6:00PM to 6:30PM</p> <p>Inaugural Session</p>	<p>6:00PM to 7:30PM</p> <p>Session 3</p> <p>Topic: A walk-through session on HPC Technologies and Eco-systems</p> <p>Name of the Expert: Mr. Samrit Maity</p> <p>Designation & Organization: Joint Director at CDAC, Scientist E, CDAC, Pune, India.</p> <p>Years of Exp: 13</p>	<p>6:00PM to 7:30PM</p> <p>Session 5</p> <p>Topic: Big Data Solutions in the Cloud: Hadoop and Spark on Cloud Platforms</p> <p>Name of the Expert: Dr. Sunirmal Khatua</p> <p>Designation & Organization: Assistant Professor, University of Calcutta, Kolkata, India</p> <p>Years of Exp: 20</p>	<p>6:00PM to 7:30PM</p> <p>Session 7</p> <p>Topic: Mobile Edge Computing and IoT in Cloud</p> <p>Name of the Expert: Prof. Debashis De,</p> <p>Designation & Organization: Professor, Maulana Abul Kalam Azad University of Technology, WB, India</p> <p>Years of Exp: 22</p>	<p>6:00PM to 7:30PM</p> <p>Session 9</p> <p>Topic: Cloud Security: Managing Data Privacy, Compliance, and Threats</p> <p>Name of the Expert: Mr. Niladri Roy</p> <p>Designation & Organization: Consultant, Enterprise Architect, TCS</p> <p>Years of Exp: 25</p>	<p>2:00PM to 3:30PM</p> <p>Session 11</p> <p>Topic: Advancing Sustainability in Society 5.0: Integrating Cloud-Dew-Edge-Fog (CDEF) Computing for Disruptive IoT</p> <p>Name of the Expert: Dr. Samarjit Roy</p> <p>Designation & Organization: Scientist, Becamex IDC Corp SCIT, EIU, Vietnam.</p> <p>Years of Exp: 10</p>
<p>6:30PM to 8:00PM</p> <p>Session 1</p> <p>Topic: The Cloud and the Evolving HPC World</p> <p>Name of the Expert: Prof. Nandini Mukherjee</p> <p>Designation & Organization: Professor, Jadavpur University, Kolkata, India</p> <p>Years of Exp: 36</p>	<p>7:30PM to 9:00PM</p> <p>Session 4</p> <p>Topic: Introduction to super-computing technologies, Eco-system, practices, applications and opportunities.</p> <p>Name of the Expert: Mr. Samrit Maity</p> <p>Designation & Organization: Joint Director at CDAC, Scientist E, CDAC, Pune, India</p> <p>Years of Exp: 13</p>	<p>7:30PM to 9:00PM</p> <p>Session 6</p> <p>Topic: Machine Learning as a Service (MLaaS): Leveraging Cloud for AI Applications</p> <p>Name of the Expert: Dr. Sunirmal Khatua</p> <p>Designation & Organization: Assistant Professor, University of Calcutta, Kolkata, India</p> <p>Years of Exp: 20</p>	<p>7:30PM to 9:00PM</p> <p>Session 8</p> <p>Topic: Cloud Analytics for Wearable Devices: AI and Machine Learning Models</p> <p>Name of the Expert: Dr. Subhasis Dasgupta</p> <p>Designation & Organization: Scientist, University of California San Diego, Supercomputer Center, CA, USA.</p>	<p>7:30PM to 9:00PM</p> <p>Session 10</p> <p>Topic: Data Pipeline Designs with Serverless Computing</p> <p>Name of the Expert: Dr. Deepsubhra Guha Roy</p> <p>Designation & Organization: Associate Professor, IEM, Kolkata, India.</p> <p>Years of Exp: 10</p>	<p>3:30PM to 5:00PM</p> <p>Session 12</p> <p>Topic: CI/CD Pipelines in the Cloud: Automating Application Deployment</p> <p>Name of the Expert: Mr. Niladri Roy</p> <p>Designation & Organization: Consultant, Enterprise Architect, TCS.</p> <p>Years of Exp: 25</p>

<p>8:00PM to 9:30PM</p> <p>Session 2</p> <p>Topic: Cloud Architecture and Deployment Models</p> <p>Name of the Expert: Prof. Nandini Mukherjee</p> <p>Designation & Organization: Professor, Jadavpur University, Kolkata, India</p> <p>Years of Exp: 36</p>	<p>Years of Exp: 21</p>	<p>5:00PM to 6:30PM</p> <p>Session 13</p> <p>Topic: Smart at the Edge: Emulating Brain Power with Neuromorphic Processors</p> <p>Name of the Expert: Dr. Arijit Mukherjee,</p> <p>Designation & Organization: Principal Scientist, Embedded Devices & Intelligent Systems at TCS Research,</p> <p>Years of Exp: 27</p>
		<p>6:30PM to 7:30PM</p> <p>Online test & feedback</p>
		<p>7:30PM to 8:00PM</p> <p>Valedictory Session</p>