



NALLA NARASIMHA REDDY

Education Society's Group of Institutions—Integrated Campus
(Approved by AICTE & PCI, New Delhi & Affiliated to JNTUH, Accredited by NAAC with A+ Grade)
Chowdariguda (V), Korremulla 'X' Road, Ghatkesar (M), Medchal-Malkajgiri (D), Hyderabad - 500088, Telangana,
(UGC AUTONOMOUS INSTITUTION)



Department of Electronics & Communication Engineering Organizes

A One Week Offline Faculty Development Program on

"AI-Driven Quantum Computing for Secure 6G and Intelligent Cyber-Physical Systems"

Eminent Industry Experts



Dr. BV Subbarao
Former Scientist, ISRO,
Distinguished Professor - AICTE



Dr. Joydeb Chattopadhyay
Scientist &
Former Director - DRDO



Dr. D. Srinivasa Rao
Project Director
Railtel Corporation of India Ltd.,
Govt. of India



Mr. Vivek Nainwal
Scientist
CDAC, Hyderabad



Ms. Challa Sri Gouri
Quality Assurance Engineer
Oracle, Hyderabad

Distinguished Academic Experts



Dr. C.V. Krishna Reddy
Director
NNRG, Hyderabad



Dr. Gopi Ram
Associate Professor
NIT, Warangal



Dr. Diana Moses
Associate Professor
MCET, Hyderabad



Dr. Nikumani Choudhury
Assistant Professor
BITS, Hyderabad



Dr. Siddhartha Das
Assistant Professor
IIT, Hyderabad

Sponsored by: AICTE - ATAL

21st to 26th September 2026

Contact: 9014760354

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Shri Nalla Narasimha Reddy
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Director, NNRG

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HoD - ECE, NNRG

Coordinator

Dr. S. Rekha
Assoc. Prof. - ECE, NNRG

Co-coordinator

Mr. A. Aravind
Asst. Prof. - ECE, NNRG

Schedule of FDP

Title of the FDP: AI-Driven Quantum Computing for Secure 6G and Intelligent Cyber-Physical Systems

FDP Start Date: 21st September 2026

FDP End Date: 28th September 2026

Day 1 (21-09-2026)	Day 2 (22-09-2026)	Day 3 (23-09-2026)	Day 4 (24-09-2026)	Day 5 (26-09-2026)	Day 6 (28-09-2026)
9:00 – 9:30 Inauguration					
9:30 – 12:00 Session 1 1. Name of the Expert: Dr. BV Subbarao 2. Designation: Distinguished Professor- AICTE, Former Scientist and Technical Advisor. 3. Organization: ISRO, INSPACE, Department of Space. 4. Experience in Years: 35 5. Topic to be taught: Deployment of AI in Space Communication	9:30 – 12:00 Session 3 1. Name of the Expert: Dr. Vivek Nainwal 2. Designation: Scientist 3. Organization: CDAC 4. Experience in Years: 20 5. Topic to be taught: Introduction to QSim (Quantum Computer Simulator Toolkit) and Qniverse	9:00 – 1:00 Industry visit Smart City Research Centre IIIT Hyderabad	9:30 – 12:00 Session 6 1. Name of the Expert: Dr. J Chattopadhyay 2. Designation: Scientist 3. Organization: Former Director-DRDO 4. Experience in Years: 35 5. Topic to be taught: AI-driven Digital twin for the predictive maintenance of Aerospace Systems	9:30 – 12:00 Session 8 1. Name of the Expert: Dr. Siddhartha Das 2. Designation: Assistant Professor 3. Organization: IIIT, Hyderabad 4. Experience in Years: 15 5. Topic to be taught: Quantum Internet: Applications and Limitations	9:30 – 12:00 Session 8 1. Name of the Expert: Dr. DS Rao 2. Designation: Project Director 3. Organization: Railtel Corporation of India Limited, Govt of India 4. Experience in Years: 25 5. Topic to be taught: Artificial Intelligence Based Approaches for Efficient 6G Wireless Communication
12:00 – 1:00 Article Discussion 1. Title of the Research Paper: Artificial intelligence for quantum computing 2. Name of the journal: Nature Communications 3. Year of Publication: 2025	12:00 – 1:00 Article Discussion 1. Title of the Research Paper: Quantum machine learning and its applications: A Systematic review 2. Name of the journal: Computer Science Review 3. Year of Publication: 2024		12:00 – 1:00 Article Discussion 1. Title of the Research Paper: A review on quantum machine learning in applied systems and engineering 2. Name of the journal: IEEE Access 3. Year of Publication: 2025	12:00 – 1:00 Article Discussion 1. Title of the Research Paper: Integrating artificial intelligence and quantum computing: A systematic literature review 2. Name of the journal: Results in Engineering 3. Year of Publication: 2024	12:00 – 1:00 Article Summary
1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch
2:00 – 4:30 Session 2 1. Name of the Expert: Ms. Sri Challa Gouri 2. Designation: Quality Assurance Engineer 3. Organization: Oracle 4. Experience in Years: 10 5. Topic to be taught: Emerging Trends in AI for Cyber-Physical Systems	2:00 – 4:30 Session 4 1. Name of the Expert: Dr. Gopi Ram 2. Designation: Associate Professor 3. Organization: NITW 4. Experience in Years: 15 5. Topic to be taught: Advanced Antenna Array Pattern Synthesis using Computational Intelligence	2:00 – 4:30 Session 5 1. Name of the Expert: Dr. C V Krishna Reddy 2. Designation: Director 3. Organization: NNRESGI, Hyderabad 4. Experience in Years: 36 5. Topic to be taught: Fostering Excellence in Technical Education through NEP 2020	2:00 – 4:30 Session 7 1. Name of the Expert: Dr. Diana Moses 2. Designation: Associate Professor 3. Organization: Methodist College of Engineering and Technology, Hyderabad 4. Experience in Years: 18 5. Topic to be taught: AI-guided Edge computing for Energy conservation	2:00 – 4:30 Session 9 1. Name of the Expert: Dr. Nikumani Choudhury 2. Designation: Assistant Professor 3. Organization: BITS, Hyderabad 4. Experience in Years: 18 5. Topic to be taught: Hybrid Quantum Internet for 6G	2:00 – 4:30 MCQ & Reflection Journal
4:30 – 5:30 Hands on Training/ Labs	4:30 – 5:30 Hands on Training/ Labs	4:30 – 5:30 Hands on Training/ Labs	4:30 – 5:30 Hands on Training/ Labs	4:30 – 5:30 Hands on Training/ Labs	
					4:30 – 5:30 Valedictory Session