



ITEC COURSE PROPOSAL – Telecom Finance for Digital Tomorrow

1. Name of the Institute	National Communications Academy–Finance (NCA-F) (Erstwhile NICF) Department of Telecommunications, Government of India
2. Title of the Course	Telecom Finance for Digital Tomorrow
3. Course Dates and Duration	11 th Jan, 2027 (Monday) to 22 nd Jan, 2027 (Friday) (2 Weeks)
4. Eligibility Criteria for Participants 1. Educational Qualifications 2. Age Limit: 25–45 years (as per ITEC norms) 3. Target Group (Level of participants and target ministries/departments, etc. may be indicated)	1. Graduate/Bachelor's Degree The medium of instruction being English, adequate knowledge of English is necessary for effective participation 2. 25-45 Years 3. Government officers, regulators, telecom/IT professionals, academia, researchers, and industry bodies in the Telecom Domain
5. Aim & Objective of the Course	The course is designed to equip international participants with an understanding of evolution of India's Telecom Sector & Policy, Emerging Technologies, advances in Digital Public Infrastructure & Digital Finance, AI Cybersecurity, and global best practices. The objectives of the course are to: • Develop understanding of evolution of India's Telecom Sector & Policy. • Appreciate Digital Public Infrastructure: UPI, Digital Payments, Aadhar, Digilocker • Information about India's Scheme for universal connectivity • Analyze India's AI mission and the role of AI in connectivity. • Understand AI and Ethics • Information on Green Telecom • Examine emerging technologies (5G/6G, AI, IoT). • Understand cybersecurity challenges.



	Promote cross-border learning and collaboration
6. Learning Outcomes	By the end of the program, participants will be able to: - Understand recent developments in Telecom Regulation, Digital Finance & Digital Public Infrastructure. - Appreciate India's National Master Plan for multi-model connectivity. - Understand India's mission for AI and the Ethical perspective of AI usage. - Evaluate emerging technologies. - Assess cybersecurity risks. - Understand Green Telecom.
7. Course Contents / Syllabus	Module 1: Telecom Sector Foundations & Policy Evolution - Evolution of telecom sector & key policy - Regulatory aspects & role of TRAI in tariffs, Quality of Service, Consumer rights. Module 2: Digital Public Infrastructure & Universal Digital Access - Aadhaar, Digilocker, UPI & digital payments ecosystem. - Digital Bharat Nidhi (USOF) for rural & remote connectivity. Module 3: Artificial Intelligence, Innovation & Telecom Applications - India's AI mission. - AI in telecom: use cases, benefits, challenges. - AI & ethics in digital governance. Module 4: National Connectivity Planning & Infrastructure Sustainability - Green telecom initiatives. - GatiShakti: National Master Plan for multi-model connectivity. - Satellite-based communication for remote areas. Module 5: Cybersecurity, Network Resilience & Telecom Governance - Cybersecurity threats & mitigation in telecom. - NOC operations: network monitoring & resilience. - C-DOT innovations & secure telecom solutions.



	Module 6: Global trends, Cross-country Learning & Action Planning - 6G, AI-driven networks, satellite broadband trends. - Country presentations & collaborative learning.
8. Mode of Evaluation of the performance of the participants	The overall performance of the participants will be assessed on the following criteria: • Group presentations • Visit reports • Attendance and participation • Behaviour and conduct