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	06th July, 2026 (Monday) to 17th July, 2026 (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 foe 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. - Staellite-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