

Telecommunications System Management (MSL-723)

Course Co-ordinator: Dr Mahim Sagar

Sl. No.	Topic of Study
Session 1	Introduction to Management Theories & Fundamentals of Telecom Management
Session 2	Telecommunication Technology Standards and Growth: Evolutionary process <ul style="list-style-type: none">• Mobile Wireless Generation• Telecommunication Standards• Key indicators of telecom growth world wide
Session 3	Introduction to Spectrum Management: 2G Spectrum Auctioning <ul style="list-style-type: none">• Spectrum Management in India• Spectrum Refarming• Spectrum Auctioning• Spectrum Assigning Methodologies
Session 4	Introduction to Spectrum Management: 3G Spectrum Auctioning <ul style="list-style-type: none">• 3G Spectrum Auctioning & Allocation Process
Session 5	Telecom Evolution and role of regulatory bodies: The Indian perspective <ul style="list-style-type: none">• National Telecom Policy 1994 (NTP-94)• Role of regulatory body (TRAI)• New Telecom Policy 1999 (NTP-99)• Broadband policy, plan & growth rate statistics• Mobile Number Portability• National Telecom Policy 2012
Session 6	Mobile Virtual Network Operators (MVNOs): An Emerging Business Model <ul style="list-style-type: none">• MVNO Business Models• Global Overview• Inferences• Indian Context
Session 7	Costing & Pricing Mechanism of Telecom Services <ul style="list-style-type: none">• Costing Principles and Applications

	<ul style="list-style-type: none"> • Cost of Capital • Telecom Service Pricing
Session 8	<p>Telecommunication Policy – Concerns & Suggestions</p> <ul style="list-style-type: none"> • Spectrum Reforms • License Reforms <p>Net Neutrality (NN)</p> <ul style="list-style-type: none"> • Internet History • Genesis of NN • Varying Approaches – US vs EU • Impact of NN
Session 9	<p>Telecom Value Chain & Telecom Markets – Enterprise, Retail and Application Development</p> <ul style="list-style-type: none"> • Value Chain vs Supply Chain • Enterprise Market • Growth of enterprise services • Kinds of enterprise services • Telecom Retail • Application Development
Session 10	<p>Telecom Networks & Innovation</p> <ul style="list-style-type: none"> • Changing Paradigm of a telecom player • Existing Business models of a typical telecom player • Opportunity Landscape
Session 11	<p>Mobile Device: Applications, Over The Top Services, Identity Protection & BYOD policy</p> <ul style="list-style-type: none"> • Mobile phone utility/ Mobile Apps & Ecosystem • OTT- Policy Framework & Revenue Models • Mobile Identity Management & Risk mitigation practices • BYOD: A step towards consumerization
Session 12	<p>Consumer Awareness of Radio Signal for Telecommunication Industry</p>