

Advanced Postgraduate Program in Telecom Management (APGP-TCM)

An Autonomous Full-Time Residential Postgraduate Program (24 months)

“Telecom technology wars have diminished in importance with increased standardization over IP, while the war for users is just heating up.”
- IDC Report



Telecommunication markets are being revolutionized by the rapid adoption of Internet Protocol (IP)-based networks, broadband and wireless technologies and by the convergence of previously distinct voice, data, and video networks. Over the past two decades, most worldwide telecommunications markets have completed the transformation from monopoly to competition. The innovative telecom technologies and services coming into the market can provide significant benefits to consumers and businesses. Service providers are operating in a fast-changing environment driven by technology, competition and regulatory change. End users are demanding fast, personalized, easy-to-use communications. Worldwide telecommunications and communications equipment market forecast indicated strong growth in existing markets of US \$298 billion in 2007 and are anticipated to reach \$630 billion by 2012. Key needs for telecommunication operators are higher volumes and new services to sustain revenue growth and improved cost efficiency to protect margins. Along with thorough insight about the markets and its inherent dynamics, today's business decision-makers need also to be abreast with the latest events in their area of operation as they face unprecedented challenges created by extremely competitive environment. There is tremendous competition between existing and new telecom service providers. This is due to incumbents who are trying to retain their market share while new players are aggressively pursuing higher market share. In order to be commercially viable, both incumbent carriers and new entrants are making efforts to outpace the competition by diversifying into innovative value added services, trying innovative strategies and applying innovative business models, while other carriers are moving towards high growth developing markets of Asia, Africa and Latin America with the help of mergers and acquisitions.

There are many questions that need answers, what technologies and platforms should be supported and when? What features and types of solutions should be added and when? Which product lines be consolidated or vertical be looked upon? How should solution providers position themselves? How to bill consumers for them? And how to regulate an environment where telecom, computing and broadcasting are all combined on one platform?

This Advanced Postgraduate Program is devised to prepare the students to handle such challenges and more in the fastest growing networking and telecom industry. The program provides comprehensive, theoretical, practical and real life knowledge associated with telecom business as demanded by the industry today and for the future.

ELIGIBILITY

Graduates with a Bachelors Degree in Engineering / Technology in Electrical / Electronics / Communication / Information Technology / Computer Science / Instrumentation or MSc / BSc in Computers / Electronics / Physics / MCS / BCS / MCA / MCM or equivalent (with minimum 55 percent marks or equivalent grades) and basic knowledge of data communication and networking, and programming is desirable.

FOCUS AREAS

- ▶ Telecom Business Management
- ▶ ERP in Telecom Industry
- ▶ Telecom Network Management & Securities
- ▶ Value Added Services in Telecom
- ▶ Telecom Standards, Policies & Regulations

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COURSE STRUCTURE

	CODE	COURSE NAME	CREDITS*	
COMMON	COM001	Life Skills Development - I	2	
	COM002	Life Skills Development - II	2	
FOUNDATION	BM501	Financial Statement Analysis	3	
	BM531	Principles of Management and the Business Enterprise	3	
	BM541	Organizational Behavior	3	
	BM561	Business Statistics	3	
	TCM501	Database Technology	2	
	TCM502	Introduction to Telecom Industry	1	
	TCM503	Data Communication and Networks	2	
	TCM504	Introduction to Telecom Technologies	2	
	TCM505	Networking Laboratory	1	
CORE	BM611	Enterprise Resource Planning - I	3	
	BM621	Corporate Finance Management	3	
	BM631	Research Methodology	3	
	BM641	Human Resource Management	3	
	BM651	Marketing Management	3	
	TCM601	Managerial Economics	2	
	ITM601	Informational Management Systems	2	
	TCM602	Wireless Technologies	2	
	TCM603	Principles of Broadband Technologies	2	
	TCM604	Technology Management & Business Ethics	2	
	TCM605	Telecom Standards, Policies & Regulations	2	
	TCM606	Wireless & Telecom Laboratory	1	
	ADVANCED	BM301	Enterprise Resource Planning - II	3
		BM305	Quantitative Methods in Business	3
TCM701		Telecom Network Management & Security	2	
TCM702		Convergence of Telecom Networks	2	
TCM703		Telecom Business Management	2	
TCM704		Quality Management Systems	2	
TCM705		Value Added Services in Telecom	2	
TCM706		OSS & BSS	2	
TCM707		International Business & Marketing for Telecom	2	
TCM708		Telecom Project Management	2	
TCM709		Telecom Laboratory	1	
INTERNSHIP / PROJECT	TCM901	Internship	6	
	TCM902	Project	6	

*1 Credit Hr = 16 Class Hrs / 32 Lab Hrs in a semester