

IT Project Leadership[#], DSE 3, V.5.6	4	0	0	4	12th Pass	NIL
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This course will also be available to the students in semester III

Learning Objectives

The key focus of this project-based course is to develop a deep understanding of facilitators and obstructions while developing and managing IT developments as a product and its life cycle. Innovations in IT have led some businesses to flourish, while others have faltered due

to massive changes brought by information technology. IT is hard to manage, therefore understanding its applications, planning and management are ensuring intended changes where innovations are realized and the unintended ones are kept under control. The course covers information system, information management, IT strategy, and IT governance

Learning outcomes

After completing this course, student should be able to;

- contribute to information system planning and strategy formulation in corporate enterprises and complex administrations.
- have a deeper understanding of a socio-technical approach to the deployment of IT in organisations
- understand frameworks for analysing strategic issues of IS deployment and a familiarity with the most relevant current issues.
- develop insight into cases of the strategic planning of information systems often demand

Syllabus

(120 Hours)

Practical -

- Understanding IT and software characteristics and applications. processes, methods and tools. Scenario based view of IT manager's role and KRA's.
- Understanding evolving IT landscape and dynamics, IT and networking as applied to enterprises in public and commercial sector.
- Software management, Software life cycle, Process and Project metrics, Software quality management and assurance, software cost estimation, the make or buy decision, Automated estimation tools.
- IT enabled products or services, ITIL service management model, software as a service, software as a platform, IT service strategy, new service designing and development process, common IT setups and Systems.
- Fundamental aspects of daily IT operations, human factors in organization, acquisition and procurement, research and Development, Logical

planning.

Managing digital networks and security.

- Management Information Systems, Strategic planning in regulated and competitive IT industries, the management and marketing of a technology-based enterprise,
- Evaluating their legal constraints, responsibilities and ethics, Social and ethical aspects of IT, The principles and methods of asset valuation, Interpretation and measurement, financial statements risk assessment, Capital market, Capital budgeting and the effects of economic regulation on capital formation, IT Policy and Regulation

Essential/recommended readings

- Managing the Internet of Things: Architectures, Theories, and Applications Editors: Jun Huang & Kun Hua, Chongqing University, China & Lawrence Technological University, USA, ISBN9781785610288.
- “Management” by Stoner J A and Freeman R E, ISBN 10: 8131707040 / ISBN 3: 9788131707043
- “Management: Principles and Practice” by S K Mandal ISBN: 9788184952209, 8184952201 Edition: 1stEdition, 2011, Pages: 500.
- “Principles and Practices of Management” by Khusboo Manoj ISBN-10: 9380921128 ISBN-13: 978-9380921129.
- “Principles and Practice of Sport Management” by Carol A Barr, ISBN-13: 9781284034172 Product With Access Code, 606 pages.
- “Better Software Practice for Business Benefit: Principles and Experiences” by Colin Tully and Richard Messnarz, ISBN-10: 0769500498 ISBN-13: 978-0769500492.

V.5.7. Fabrication of nanomaterials for devices

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical / Practice		