Course Title	IT Project Management						
Course Code	DIS503						
Course Type	Compulsory						
Level	Postgraduate						
Year / Semester	1 st /1 st						
ECTS	7.5Lectures / week1Laboratories / week						
Course Purpose and Objectives	Compulsory Postgraduate 1 st /1 st 7.5 Lectures / week 1 Laboratories / -						

	 How stakeholders are identified, analyzed, and managed, including the creation of power/interest grids. How a project team is formed and the role of the project manager. How project costs are identified, a project budget is created, and costs are controlled and monitored through techniques such as Earned Value Management (EVM). How projects can be compressed to meet deadlines without compromising quality or reducing the project scope. 				
Learning Outcomes	 After the completion of the course, students will be able to: CLO[1] Demonstrate critical understanding of the processes, practices and techniques involved in managing software projects. CLO[2] Critically evaluate and address the issues relating to the management of time, cost, scope, risk and stakeholders. CLO[3] Critically discuss and evaluate plan-based/predictive project life cycles and more contemporary adaptive/change-driven processes such as Agile. CLO[4] Demonstrate advanced knowledge and ability to create project schedules and budgets and compress them. CLO[5] Demonstrate knowledge and critically apply a range of risk analysis techniques within a project management context. CLO[6] Demonstrate the ability to effectively self-organize within teams and engage in collaborative work to achieve project goals. 				
	A detailed breakdown of Course Objectives based on the Course Learning Outcomes can be found below: 1. Knowledge By completing the course you will be able to: C.O.[1]. Analyze and critically evaluate the organization of complex projects, including the identification of activities and tasks, and the comprehensive assessment, management, and mitigation of risks.				

	C.O.[2]. Examine and apply advanced methodologies					
	and techniques for monitoring and controlling projects,					
	ensuring alignment with strategic objectives.					
	C.O.[3]. Explain the concepts of project and project					
	schedule.					
	C.O.[4]. Develop, evaluate, and monitor comprehensive					
	project budgets, incorporating financial management					
	principles					
	C.O.[5]. Evaluate and optimise the allocation of					
	resources to activities and tasks, applying resource					
	management theories and tools to enhance project					
	efficiency and effectiveness.					
	C.O. [13] Analyse the principles and practices of self-					
	organising teams, including the roles, responsibilities,					
	and behaviours that promote effective collaboration and					
	team cohesion.					
2. Skills	C.O.[6]. Apply compression techniques to IT projects to					
	optimize timelines and resources, ensuring project					
	delivery within constraints.					
	C.O.[7]. Develop and demonstrate critical thinking and					
	analytical skills in addressing complex project					
	management issues and challenges. Apply Critical Path					
	Method (CPM) and identify critical paths, critically					
	assess stakeholder management strategies, and evaluate					
	both predictive and adaptive project life cycles to choose					
	the most appropriate approach for specific projects.					
	C.O.[8]. Prepare and present detailed project					
	management proposals, demonstrating a clear					
	understanding of project requirements.					
	C.O.[12] Utilise advanced collaborative tools and					
	techniques, including AI tools, to enhance					
	communication, coordination, and productivity within					
	project teams.					

	3. Competencies (Responsibility and autonomy)	 C.O.[9]. Analyse the structural elements of software projects (software project management) autonomously. C.O.[10]. Independently monitor all phases of a project, ensuring adherence to timelines, budgets, and quality standards C.O.[11]. Independently evaluate the outputs of a project to ensure deliverables meet stakeholder expectations and project objectives. 					
Prerequisites	<u> </u>	Required					
Course Content	 1st week: Course Overview and Introduction to Project Management [CLO1] 2nd week: Project Strategy, Processes, and Methods – Predictive VS Agile Project Management [CLO1, CLO2, CLO3] 3rd week: Project Initiation Management: Project selection, Creating the business case, financial value of Projects, project scoring models, project charter, Project Scope Management: WBS and Smart Objectives [CLO1, CLO2, CLO3, CLO4] 4th week: Project Schedule Management Part 1: Introduction to Network Diagrams (AON and AOA) [CLO1, CLO2, CLO4, CLO6] 5th week: Project Schedule Management Part 2: PERT Evaluation, Critical Path Analysis, and Project Completion [CLO1, CLO2, CLO4, CLO6] 6th week: Project Resource Management: Allocating resources to schedules, Resource Smoothing and Levelling [CLO1, CLO2, CLO6] 7th week: Project Risk Management: Identifying, analysing, and mitigating risk, qualitative and quantitative risk management [CLO1, CLO2, CLO5] 8th week: Project cost management: Creating the budget and controlling costs with EVM [CLO1, CLO2, CLO4] 9th week: Project Stakeholder Management: Stakeholders, Role of the Project Manager, the Team, Coursework Feedback Session [CLO1, CLO2, CLO6] 11th week: Advanced topics in Planning and Scheduling: Introduction to 						
	 12th week: Advanced topics in Planning and Scheduling: Introduction to Scrum Part 2 [CLO1,CLO2 CLO3, CLO6] 13th week: Final Course Revision: Practice and review exercises, Exam Q&A [CLO1, CLO2, CLO3, CLO4, CLO5, CLO6] 						

Teaching	Mix of lectures, active learning techniques, and activities. More precisely:							
Methodology								
	Interactive lecturesGroup activities/discussions							
	 Interactive activities and tutorials 							
	 Formative and Summative Assignments 							
	 Case study discussion and peer review exercises 							
	 Web links and educational videos 							
	 Online quizzes 							
	The course, in addition to the exam and 4 interactive activities, is assessed through one major piece of individual coursework. Students are expected to plan and manage a project based on a given business environment, create the project's schedule and identify the critical path, evaluate, and manage risks, identify costs and create the budget, identify stakeholders, and perform stakeholders' analysis.							
	Formative assessment also forms a key part of the course and is a vital way monitor and further support students' learning. The goal of formative assessment is to help enhance students' understanding and knowledge, received detailed feedback on the work submitted, and further improve their knowledge and understanding prior to the submission of their summative assessment.							
Bibliography	Required textbook							
	 Maylor H. and L. Turner 2022. Project Management, 5th Edition. Pearson Schwalbe, K. 2021. An Introduction to Project Management, Seventh Edition: Predictive, Agile, and Hybrid Approaches, 7th edition Pinto, K.J., 2019. Project Management: Achieving Competitive Advantage, 5th Edition, Pearson. ISBN-13: 978-0-13-473045-5 Schwalbe, K. 2019. Information Technology Project Management. 9th edition. Cengage. ISBN-13: 9781337101356 							
	Further reading							
	 Girvan and Paul. 2017. Agile and Business Analysis: Practical guidance for IT professionals, CS, The Chartered Institute for IT; 1st edition Schwaber, K and Sutherland, J. 2020. The Scrum Guide: The Rules of the Game 							
	 Stellman and Greene. 2014. Learning Agile: Understanding Scrum, XP, Lean, and Kanban. O'Reilly Media 							
	Perc CLO1 CLO2 CLO3 CLO4 CLO5 CLO6							
Assessment	enta ge							

	4 Interactive Activities	20%	\checkmark	\checkmark	\checkmark			\checkmark	
	Main Coursework	20%		\checkmark	\checkmark		\checkmark	\checkmark	
	Final Exam	60%		\checkmark	V	\checkmark	\checkmark		
Language	English								