/03	A: Introc	luction	JRSE C	RMATION	LECH	AM (2024 - 28)	).
AK.	Rachelor in	Science (IT		MICULI	MU	orogy	
ogra	/ Diploma / De	grante (II)					
program: Baction of the program: Depropriate / Diploma / De Course Code		at the first the					
Course Course		ITSE-07 Semester -VII Session 2001					
Course Title		S01tware E					
Course Type							
Pre-requisite		As per program					
		the end of this co	011		-		
M. Ca		At the end of this course, the students will be able:  Understand the fundamentals of software Engineering.  Understand the requirement of systems.					
Course Learning		Identify and analyze the requirement of system.  Understand the design of existing System and Design the proposed System.  Create the test.  Create the test.					
Out	comes (CLO)	1	Control of the Contro	The state of the s	WASTERIII	Maria de la companya della companya	
M Tel		Onderstand	the funda-	Strating Syste	m and	Design the proposed Sy	stem.
		The title	ICSI-Cases and	d		Samon	
Credit Value		Create the test-cases and perform System testing.  Apply the concepts of software engineering for new system development  Credits  Credit = 15 User 15 Us					ent.
	al Marks	Max. Marks:	Joseph -	15 Hours - Le	arnin	g & Observation	
		nt of the Cou	100		Min F	Passing Marks: 40	
N.	Total No. of 7	Conching last	irse				
-	10111110.01	Teaching-learning	Periods (0)	Hr. per perio	od) – 6	0 Periods (60 Hours	No. of
nit		Topics (Course contents)					Period
1	Software Engineering & Models: The evolving role of software, changing nature of						
13	software, Evolution of Software Engineering, Characteristics of software. SDLC Introduction, Software Process Models: Waterfall Model, V-model, Prototype model, RAD model, Software Process Models: Waterfall Model, V-model, Prototype model, RAD Model, Agile model						15
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) Di	Incremental devel	opment model, Spiral	Model, Evol	Gathering and A	nalysi	s, Feasibility studies,	
I	Requirements Engineering Process: Requirement Gathering and Analysis, Feasibility studies, requirements Engineering Process: Requirement Gathering and Analysis, Feasibility studies, requirements validation, requirements management. Functional and Non-Functional requirements validation, requirements, SRS documents.						
	requirements Vi	lser requirements, System Requirements, SRS documents.  User requirements, System Requirements, SRS documents.  User requirements, System Requirements, SRS documents.					15
	Docign Engineer	User requirements, System Requirements, SRS documents.  User requirements, System Requirements, SRS documents.  Received the second system of the second sys					1
	Requirements, User requirements, System Process, design process, design methodology, Function Design Engineering: Software design concepts, design process, design methodology, Function Design Engineering: Software design concepts, design process, design methodology, Function Design Engineering: Software design concepts, design process, design methodology, Function Design Engineering: Software design concepts, design process, design methodology, Function Design Engineering: Software design concepts, design process, design methodology, Function Design Engineering: Software design concepts, design process, design methodology, Function Design Engineering: Software design concepts, design process, design methodology, Function Design Engineering: Software design concepts, design process, design methodology, Function Design Engineering: Software design concepts, design process, design methodology, Function Design Engineering: Software design concepts, design process, design methodology, Function Design Engineering: Software design Concept of Modularity Oriented Software design, Structured analysis and design) Concept, UML diagram, Oriented Software design (Software design) Concept, UML diagram, Oriented Software design (Software design) Concept (Softwar						1
	different view of State chart diagram. State chart diagram.						
	different view of software using UML diagrams, Cause and different view of software using UML diagram. Interaction diagram, State chart diagram.  diagram, Interaction diagram, State chart diagram.  Software Project Management: Need of Software project Planning, Software project Software Project Management: Types of management in SPM, Project Planning, Software project managements complexities, Types of management in SPM, Project estimation techniques: managements complexities, Types of management Point. Project estimation techniques: scheduling, Project size estimation: LOC, Function Point. Project estimation techniques: scheduling, Project size estimation: LOC, Function Point. Project estimation techniques: scheduling, Project size estimation: LOC, Function Point. Project estimation techniques: scheduling, Project size estimation: LOC, Function Point. Project estimation techniques: scheduling, Project size estimation: LOC, Function Point. Project estimation techniques: scheduling, Project size estimation: LOC, Function Point. Project estimation techniques: scheduling, Project size estimation: LOC, Function Point. Project estimation techniques: scheduling, Project size estimation: LOC, Function Point. Project estimation techniques: scheduling, Project size estimation: LOC, Function Point. Project estimation techniques: scheduling, Project size estimation: LOC, Function Point. Project estimation techniques: scheduling. Project size estimation: LOC, Punction Point. Project estimation techniques: scheduling. Project estimation techniques.						1
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	white-box sporoach a Quality Management technical reviews, software configuration						
	Testing Strategies and Quality Management.  Testing Strategies and Quality Management: Software Reliability, Quality concepts, white-box testing, Verification and Validation, Unit-testing, Integration and System White-box testing, Verification and Validation, Unit-testing, Integration and System White-box testing, Verification and Validation, Unit-testing, Integration and System Verification and Validation, Unit-testing, Integration and System Validation, Unit-testing, Integration and Validatio						
	Software quality assure reliability, the 150 200 1						
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