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#### NAME OF THE PAPER: Software Project Management SEM: V

SYLLABUS	OBJECTIVES	OUTCOME
(UNIT WISE)		
	To introduce the fundamental concepts	Identify suitable life cycle models to be used.
	of software engineering.	
UNIT - I		
	To build an understanding on various	Analyze a problem and identify and define the
UNIT -II	phases of software development.	computing requirements to the
		problem.
	To introduce various software process	Translate a requirement specification to a
UNIT III	models.	design using an appropriate software
		engineering methodology.
	Gain understanding on reasons for	Formulate appropriate testing strategy for the
UNIT IV	majority of software projects failure	given software system.
	and on ways in which the failure	Understand reasons for failure of software
	probability can be reduced.	projects fails and how to reduce failure
		probability.
	Develop the Understanding for software	- · ·
UNIT -V	projects based on current technology,	technology, by managing resources
	by managing resources	economically and keeping ethical values.
	economically and keeping ethical	
	values.	

#### NAME OF THE PAPER: Software Quality Assurance SEM: VI

SYLLABUS (UNIT WISE)	OBJECTIVES	OUTCOME
UNIT - I	The objective of this course is to solve the problems or error of the software related quality.	Develop an understanding of software quality and approaches to assure software quality.
UNIT - II	Define and highlight importance of software testing and software quality.	Able to create and apply a software quality assurance plan for all software projects.
UNIT -III	Describe the software quality assurance techniques.	Create and manage a software quality assurance team.
UNIT - IV	Implementation of software assurance techniques to make software free from cons.	Able to conduct and facilitate inspections, product reviews, walk-throughs, and audits.



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	Planning and tracking and oversight in the im	Create and maintain appropriate
UNIT - V	plementation of the project management	metrics to measure and maintain
	process.	quality

#### NAME OF THE PAPER: Internet of Things SEM: V

SYLLABUS	OBJECTIVES	OUTCOME
(UNIT WISE)		
	To Introduce the Internet of Things an	Develop an understanding of the definition
	Overview and Design Principles for	and significance of the
UNIT - I	Connected Devices	Internet of Things.
	<b>Introduction to Embedded System and</b>	Describe the given Characteristics of the
UNIT -II	Prototyping Embedded Devices	specified Embedded System.
		Understand home automation in IoT.
	Prototyping the Physical Design and	Know the practical use of devices in IoT
UNIT III	Prototyping Online Components	Technology.
	Techniques for Writing Embedded	Develop the algorithm, flowchart and C's
UNIT IV	Code	Program for the given Microcontroller to
		perform the given operations (data transfer,
		arithmetic/logic, decision control and looping
		operations.
	Moving to Manufacture and Ethics	Understand IoT Market perspective and to
UNIT -V		implement data and
		knowledge management.

### NAME OF THE PAPER: Security in Computing SEM: VI

SYLLABUS	OBJECTIVES	OUTCOME
(UNIT WISE)		
	Introduction to Computer and Information	Explain the importance of the given
	Security.	components of computer security.
UNIT - I		Explain Principle of Information
		Security.
	<b>Understand User Authentication and Access</b>	Apply the relevant authentication
UNIT - II	Control.	method for the given situation with
		example.
		Explain technique of the given type
		of attacks on passwords.
	Gain knowledge on Firewalls and its parameters	Compare types of firewalls on the
UNIT -III	and configuration.	given parameters.
		Explain function of the given type of
		firewall configuration.



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	Understand the fundamentals and classifications	Compare various IDS Technique on
UNIT - IV	Intrusion Detection System.	the given parameters.
		Describe features of the IDS
		Technique.
	Develop and Understand Virtual Machines and	Explain the given IP Security
UNIT - V	Cloud Computing.	Protocol with modes.
		Virtual Machines, Cloud
		Computing.

#### NAME OF THE PAPER: Advanced Web Programming SEM: V

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SYLLABUS	OBJECTIVES	OUTCOME
(UNIT WISE)		
	Introduce creating a simple Active	Be able to create a simple Active Server Page
	Server Page ASP.NET application that	ASP.NET application that
UNIT - I	delivers dynamic content to the Web.	delivers dynamic content to the Web.
	Understand the ASP.NET concepts	Understand Web Forms and handling events,
UNIT -II	such as Web Forms and handling	
	events, Web Controls and input	
	validation.	
	Understand the new web application	<b>Understand Web Controls and input</b>
UNIT III	architecture and Web Services, and	validation, using the new web
	debug in the new integrated	application architecture and Web Services,
	development environment.	and debugging in the new
		integrated development environment.
	Understand the Web form	Understanding the anatomy of an ASP.NET
UNIT IV	Fundamentals.	Application and Configuring the ASP.NET
		Application.
	Develop web application with ASP.Net	Develop web application with ASP.Net with
UNIT -V	with database connectivity.	database connectivity
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#### NAME OF THE PAPER: Business Intelligence SEM: VI

SYLLABUS	OBJECTIVES	OUTCOME
(UNIT WISE)		
	Familiarize students with key concepts and issues	<b>Understand key concepts and issues</b>
	related to business intelligences and decision	related to business intelligences and
UNIT - I	support systems.	decision support systems.
	Provide understanding of concepts like data	Understand concepts like data
UNIT - II	warehouses, design methods,	warehouses, design methods, data
	data extracting, transforming and loading	extracting, transforming and
	processes and OLAP systems.	loading processes and OLAP
	-	systems.



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UNIT -III	To Understanding various classification and clustering methods in business Intelligences.	Develop understanding of classification and evaluation of classification clustering methods and its evaluation
UNIT - IV	Enable students to employ basic BI tools and mathematical models.	Learn to use basic BI tools, mathematical models.
UNIT - V	Understand knowledge management and artificial intelligence and expert systems.	Develop an overview of artificial intelligence (AI) principles and approaches and development of expert systems

### NAME OF THE PAPER: Artificial Intelligence SEM: V

SYLLABUS	OBJECTIVES	OUTCOME
(UNIT WISE)	0202011120	00100112
	Present an overview of artificial	Identify the various characteristics of Artificial
	intelligence (AI) principles and	Intelligence, principles and approaches.
UNIT - I	approaches.	
	<u></u>	
	Develop a basic understanding of the	Develop a basic understanding of the building
UNIT -II	building blocks of AI as presented in	blocks of AI as presented in
	terms of intelligent agents i.e., Beyond	terms of intelligent agents i.e., Beyond
	Classical Search:	Classical Search:
	Develop a basic understanding of the	Develop a basic understanding of the building
UNIT III	building blocks of AI as presented in	blocks of AI as presented in
	terms of intelligent agents i.e.,	terms of intelligent agents i.e., Adversarial
	Adversarial Search and logic Agents	Search and logic Agents
	Develop a basic understanding of the	Develop a basic understanding of the building
UNIT IV	building blocks of AI as presented in	blocks of AI as presented in
	terms of intelligent agents i.e., First	terms of intelligent agents i.e., First Order
	Order Logic and Interference in First	Logic and Interference in First Order Logic
	Order Logic	
	Also provide an opportunity to students	Implement a small AI system in a team
UNIT -V	to implement an AI system in a	environment.
	team environment and Knowledge	
	representation,	



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#### NAME OF THE PAPER: Principles of Geographic Information Systems SEM: VI

SYLLABUS	OBJECTIVES	OUTCOME
(UNIT WISE)		
	<b>Develop the understanding of Data Management</b>	Explore mapped data.
UNIT - II	and Processing Systems, Hardware and Software	Relate GIS with remote sensing
	Trends	technologies.
	Geographic Information Systems.	
	Develop the understanding of Spatial	Analyze spatial data, using GIS
UNIT -III	Referencing and Positioning, using GIS analysis	analysis tools
	tools.	
	Develop the understanding Classification of	Develop and manage geo
UNIT - IV	analytical GIS Capabilities.	databases.
		Create maps, images and apps to
		communicate spatial data in a
		meaningful way to others
	Explain Data Visualization, IS and Maps, The	Apply Python as a GIS computer
UNIT - V	Visualization Process and Visualization	language.
	Strategies.	

#### NAME OF THE PAPER: Enterprise Java SEM: V

SYLLABUS	OBJECTIVES	OUTCOME
(UNIT WISE)		0 0 2 0 0 2 2 2
	Introduce and develop the	Explain and develop the understanding of
	understanding of General Network	General Network Design and Network Design
UNIT - I	Design and Network Design Models.	Models.
	Provide necessary knowledge to design	Have the knowledge to design and develop
UNIT -II	and develop dynamics, databasedriven	dynamics, database-driven application using
	application using J2EE and Network	J2EE and Network devices.
	devices.	
	<b>Develop the Understanding of Wireless</b>	Explain and develop the Understanding of
UNIT III	LAN Design, WAN Technologies and	Wireless LAN Design, WAN Technologies and
	the Enterprise Edge WAN Design	the Enterprise Edge WAN Design.
	Develop the understanding various	Explain and develop the understanding
UNIT IV	version of Internet Protocol, Allocation	various version of Internet Protocol,
	of IP and various Route Distributions	Allocation of IP and various Route
		Distributions
	Managing Security and Management	Explain and develop Managing Security and
UNIT -V	Network	Management Network



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NAME OF THE PAPER: Cyber Laws SEM: VI

SYLLABUS	OBJECTIVES	OUTCOME
(UNIT WISE)		
	Understand, explore and acquire a critical	Understand, explore, and acquire a
	understanding of Cyber Law.	critical understanding of Cyber
UNIT - I		Law.
	<b>Understand, explore and understand Contracts in</b>	Understand, explore and
UNIT - II	the Infotech World Jurisdiction in the Cyber	understand Contracts in the
	World.	Infotech World Jurisdiction in the Cyber World
	Acquire in-depth knowledge of Information	Understand Information
UNIT -III	Technology Act and legal framework of Right to	Technology Act and legal
	Privacy, data security and data protection	framework of right to privacy, data
		security and data protection.
	<b>Understand relationship between Commerce and</b>	Understand the relationship
UNIT - IV	Cyberspace	between Commerce and Cyberspace
	Develop competencies for dealing with frauds,	Develop competencies for dealing
UNIT - V	deceptions, other Cyber Crimes and Protection of	with frauds, deceptions (Confidence
	Cyber Consumers in India.	Tricks, Scams), other cybercrimes
	-	and Protection of Cyber Consumers
		in India.