II B.Tech II Semester

SUBJECT:DISCREREMATHEMATICS(CS401PC)

Upon completion of the course the students get an idea of:

Course Code	Course Outcomes	Blooms Taxonomy Levels
CS401PC.1	Ability to understand and construct precise mathematical proofs	**2**
CS401PC.2	Ability to use logic and set theory to formulate precise statements	**2**
CS401PC.3	Ability to analyze and solve counting problems on finite and discrete structures	**3**
CS401PC.4	Ability to describe and manipulate sequences.	**3**
CS401PC.5	Ability to apply graph theory in solving computing problems	**2,4**

MAPPING

COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS401PC.1	3	2	1	1	1				1	2	1	2	2	1	1
CS401PC.2	3	2	1	1	1	1			1		1	3	2	1	1
CS401PC.3	3	3	1	2	2		1	1	1	1	1	3	2	1	1
CS401PC.4	2	2	3	1					1		1	2	1		
CS401PC.5	3	3	3	2	2	1			1	1	1	3	2	1	1
AVERAGE	**2.8**	**2.4**	**1.8**	**1.4**	**1.5**	**1.0**	**1.0**	**1.0**	**1.0**	**1.3**	**1.0**	**2.6**	**1.8**	**1.0**	**1.0**

II B.Tech II Semester

SUBJECT: Software Engineering - (CS405PC)

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy level
CS405PC.1	Ability to translate end-user requirements into system and software requirements, using e.g. UML, and structure the requirements in a Software Requirements Document (SRD).	**2**
CS405PC.2	Identify and apply appropriate software architectures and patterns to carry out high level design of a system and be able to critically compare alternative choices.	**4**
CS405PC.3	Will have experience and/or awareness of testing problems and will be able to develop a simple testing report	**4**
CS405PC.4	Understanding of the working knowledge of the techniques for estimation, design, testing and quality management of large software development projects.	**1**
CS405PC.5	Identify and apply appropriate software architectures and patterns	**4**

MAPPING

COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS405PC.1	3	3	2	1	1				2	2	1	2	1	1	1
CS405PC.2	3	3	2	2	2				2	2	2	3	1	1	2
CS405PC.3	3	3	2	3	2	1	1		2	2	3	3	1	1	1
CS405PC.4	3	2	3	3	3				3	2	2	2	1	3	1
CS405PC.5	3	3	3	3	2	1		1	3	2	3	3	1	1	1
AVERAGE	**3**	**2.8**	**2.4**	**2.4**	**2**	**1**	**1**	**1**	**2.4**	**2**	**2.2**	**2.6**	**1**	**1.4**	**1.2**

II B.Tech II Semester

SUBJECT:OPERATING SYSTEM - CS403PC

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy level
CS403PC.1	Understand the concepts of OS, the basic principles used in the design of modern operating system and process.	**2**
CS403PC.2	Understand the concepts of threads and mechanisms for synchronization.	**4**
CS403PC.3	Understand the concepts related to deadlock and memory management.	**3**
CS403PC.4	Understand the concepts of virtual memory management.	**2**
CS403PC.5	Understand the concepts of secondary storage structure, protection and case study of Linux operating system.	**1**

MAPPING

COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS403PC.1	2	2	1	2	2	1				1		2	1	2	3
CS403PC.2	3	2	3	1	2	1			3	1	1	2	3	2	1
CS403PC.3	3	2	2	2	2	1		1	2	2	1	2	2	2	1
CS403PC.4	2	2	1	1	1	2	1		3	1		2	1	2	2
CS403PC.5	3	2	2	2	1				2	2	1	2	1	2	3
AVERAGE	**2.6**	**2**	**1.8**	**1.6**	**1.6**	**1.25**	**1**	**1**	**2.5**	**1.4**	**1**	**2**	**1.6**	**2**	**2**

II B.Tech II Semester

SUBJECT:DATABASE MANAGEMENT SYSTEM - CS404PC

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy level
CS404PC.1	Understand data models to design a database	**2**
CS404PC.2	Illustrate the conceptual design for Large enterprises	**2**
CS404PC.3	Formulate SQL queries and integrity constraints over relations	**4**
CS404PC.4	Apply normalization on database for eliminating redundancy	**3**
CS404PC.5	Understand transaction properties, concurrency control and recovery techniques and Explain various data storage and security mechanisms	**2**

MAPPING

COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS404PC.1	3	2	2	1	1				1	2		2	2	2	2
CS404PC.2	2	3	2	2	1				2	2		2	2	2	2
CS404PC.3	2	2	2	3	2	1	1		1	1		2	2	2	2
CS404PC.4	2	3	2	2	1	1		1	2	2	3	3	2	1	3
CS404PC.5	3	3	2	3	3	1			2	2	3	3	2	1	3
AVERAGE	**2.4**	**2.6**	**2**	**2.2**	**1.6**	**1**	**1**	**1**	**1.6**	**1.8**	**3**	**2.4**	**2**	**1.6**	**2.4**

II B.Tech II Semester

SUBJECT:BUSINESSE CONOMICS & FINANCIAL ANALYSIS-SM402MS

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy level
SM402MS.1	The students will understand the various Forms of Business and the impact of economic variables on the Business.	**2**
SM402MS.2	Understand the elasticity of the demand of the product, different types, and measurement of elasticity of demandand factors influencing on elasticity of demand and supply	**2**
SM402MS.3	Recognize the Production function, features of Iso- Quants and Iso-Costs, Market Structure, Pricing aspects are learnt.	**1**
SM402MS.4	The Students can study the firm's financial position by analyzing the Financial Statements of a Company.	**4**
SM402MS.5	Evaluate different types of financial ratios knowing liquidity, solvency and profitability position of business.	**5**

MAPPING

COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
SM402MS.1	1					2	1	2	2		2				2
SM402MS.2	1					2	1	2	2		2				2
SM402MS.3	2					1	2	1	2		2				2
SM402MS.4	2					1	2	1	2		2				2
SM402MS.5	2					1	2	1	2		2				2
AVERAGE	**1.5**					**1.5**	**1.33**	**1.33**	**2**		**2**				**2**

II B.Tech II Semester

SUBJECT:OPERATING SYSTEM LAB-CS406PC

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy level
CS406PC.1	Implement the basic command of OS and will execute the various system calls.	**4**
CS406PC.2	Implement the process synchronization problem using semaphore.	**3**
CS406PC.3	Implement CPU scheduling algorithm for process scheduling and deadlock management techniques.	**2**
CS406PC.4	Implement memory management techniques.	**1**
CS406PC.5	Implement file storage allocation techniques.	**3**

MAPPING

COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS406PC.1	2	2	1	2	2	1				1		2	1	2	3
CS406PC.2	3	2	3	1	2	1			3	1	1	2	3	2	1
CS406PC.3	3	2	2	2	2	1		1	2	2	1	2	2	2	1
CS406PC.4	2	2	1	1	1	2	1		3	1		2	1	2	2
CS406PC.5	3	2	2	2	1				2	2	1	2	1	2	3
AVERAGE	**2.6**	**2**	**1.8**	**1.6**	**1.6**	**1.25**	**1**	**1**	**2.5**	**1.4**	**1**	**2**	**1.6**	**2**	**2**

II B.Tech II Semester

SUBJECT:DATABASE MANAGEMENT SYSTEMS LAB-CS407PC

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy level
CS407PC.1	Illustrate the basic DDL commands	**2**
CS407PC.2	Illustrate DCL and DML commands.	**2**
CS407PC.3	Demonstrate SQL queries using SQL operators.	**5**
CS407PC.4	Explain the concept of relational algebra.	**1**
CS407PC.5	Implement various queries using date and group functions and elaborate nested queries. Construct views, cursor and triggers.	**5**

MAPPING

COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS407PC.1	3	2	2	1	1				1	2		2	2	2	2
CS407PC.2	2	3	2	2	1				2	2		2	2	2	2
CS407PC.3	2	2	2	3	2	1	1		1	1		2	2	2	2
CS407PC.4	2	3	2	2	1	1		1	2	2	3	3	2	1	3
CS407PC.5	3	3	2	3	3	1			2	2	3	3	2	1	3
AVERAGE	**2.4**	**2.6**	**2**	**2.2**	**1.6**	**1**	**1**	**1**	**1.6**	**1.8**	**3**	**2.4**	**2**	**1.6**	**2.4**

II B.Tech II Semester

SUBJECT: Skill Development Course (NodeJS -CS409PC)

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy level
CS409PC.1	Build a custom website with HTML,CSS, and Boot strap and little JavaScript	**2**
CS409PC.2	Demonstrate Advanced features of Java Script and learn about JDBC	**2**
CS409PC.3	Develop Server– side implementation using Java technologies	**5**
CS409PC.4	Develop the server–side implementation using NodeJS	**1**
CS409PC.5	Design a Single Page Application using React	**5**

MAPPING

COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS409PC.1	3	3	2	1	1				2	2	1	2	1	1	1
CS409PC.2	3	3	2	2	2				2	2	2	3	1	1	2
CS409PC.3	3	3	2	3	2	1	1		2	2	3	3	1	1	1
CS409PC.4	3	2	3	3	3				3	2	2	2	1	3	1
CS409PC.5	3	3	3	3	2	1		1	3	2	3	3	1	1	1
AVERAGE	**3**	**2.8**	**2.4**	**2.4**	**2**	**1**	**1**	**1**	**2.4**	**2**	**2.2**	**2.6**	**1**	**1.4**	**1.2**