

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NAGNATHAPPA HALGE COLLEGE OF ENGINEERING

PARLI VAIJNATH

SUBJECT CODE: BSH201

SUBJECT NAME: ENGINEERING MATHEMATICS-III

COURSE OUTCOMES:

1. Develop logical understanding of the subject.
2. Apply mathematical methods & Principle's in solving problems from Engineering fields.
3. To produce graduates with mathematical knowledge & computational skills.

CO-PO MAPPING FOR THE SUBJECT CODE BSH201:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	1	2					1				
CO2	3		3												
CO3	3			2							2				

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
NAGNATHAPPA HALGE COLLEGE OF ENGINEERING
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SUBJECT CODE: CSE203

SUBJECT NAME: COMPUTER NETWORK

COURSE OUTCOMES:

1. To understand various networking concepts .
2. To study most widely used computer network technologies.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2	2	1	2					1				
CO2	3		3				1	2						2	2

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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SUBJECT CODE: CSE204

SUBJECT NAME: DIGITAL ELECTRONICS

COURSE OUTCOMES:

1. Understand different methods for the simplification of Boolean functions, working of conversion circuits.
2. To implement combinational, sequential circuits.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	2	1	2					1				
CO2	3		3							2				2	

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SUBJECT CODE: CSE205

SUBJECT NAME: LINUX OPERATING SYSTEM

COURSE OUTCOMES:

1. To understand basics of Linux operating system.
2. To implement linux commands.
3. To troubleshooting of linux operating system.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	3	2		1			1		1	2	3
CO2	3		3		2										
CO3	3			2	3						2				

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NAGNATHAPPA HALGE COLLEGE OF ENGINEERING

PARLI VAIJNATH

SUBJECT CODE: BSH251

SUBJECT NAME: ENGINEERING MATHEMATICS-IV

COURSE OUTCOMES:

1. Develop logical understanding of the subject.
2. Apply mathematical methods & Principle's in solving problems from Engineering fields.
3. To produce graduates with mathematical knowledge & computational skills.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	1	2					1				
CO2	3		3											1	
CO3	3			2							2				1

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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PARLI VAIJNATH

SUBJECT CODE: CSE252

SUBJECT NAME: Discrete Mathematics

COURSE OUTCOMES:

1. Develop logical understanding of the subject.
2. Apply mathematical methods & Principle's in solving problems of set, relation and function.
3. To produce graduates with mathematical knowledge necessary for computer science and engineering field.

CO	PO1	PO2	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3		2		2	1	2					1				
CO2	3	1		3											2	
CO3	3				2							2				

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SUBJECT CODE: CSE253

SUBJECT NAME: OBJECT ORIENTED PROGRAMMING USING C++

COURSE OUTCOMES:

1. To understand the Object Oriented Programming concepts.
2. Be able to develop the applications or programs using C++ using the concepts of object oriented programming like inheritance, polymorphism, dynamic memory allocation.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2		2	1	2					1		3	3	3
CO2	3		3										3		1

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SUBJECT CODE: CSE255

SUBJECT NAME: COMPUTER GRAPHICS

COURSE OUTCOMES:

1. Students should understand the graphics fundamentals.
2. Understanding the 2-D and 3-D graphics primitives.
3. To apply programming techniques using graphics primitives.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2		2	1	2					1		3		
CO2	2		3										2		
CO3	2			2							2		2		

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SUBJECT CODE: CSE301

SUBJECT NAME: OPERATING SYSTEM

COURSE OUTCOMES:

1. Understand fundamental concepts of operating system.
2. Understand fundamental concepts of design of modern operating system.
3. To Learn important system resources and their management policies.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1		2			1		2					2			
CO2		2					2					1	1	2	
CO3		2					2					1			

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SUBJECT CODE: CSE303

SUBJECT NAME: DATABASE MANAGEMENT SYSTEM

COURSE OUTCOMES:

1. To understand the different issues in the design and implementation of a database system.
2. To design and build simple database systems.
3. To retrieve information efficiently and effectively from database.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1		1													
CO2		2			2								2	2	
CO3					3						2				3

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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SUBJECT CODE: CSE304

SUBJECT NAME: PROGRAMMING IN JAVA

COURSE OUTCOMES:

1. Apply object oriented concepts in programming.
2. The students should able to Handle Exception handling & implement multithreaded programs.
3. Implementation of database programming, GUI with event handling.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	3	2					1				
CO2	3		3		3						2				
CO3	3			2	3						2				

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SUBJECT CODE: CSE342

SUBJECT NAME: Digital Image Processing(Elective -I)

COURSE OUTCOMES:

1. Understand digital image processing concepts.
2. Understand Digital image processing steps.
3. To apply digital image processing steps.
4. Implement digital image processing algorithms.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	1	2					1				
CO2	3	2	3											2	
CO3	3			2	2		3				2				1

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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SUBJECT CODE: CSE3351

SUBJECT NAME: ADVANCE JAVA

COURSE OUTCOMES:

1. Develop skills in Enterprise Java.
2. Understanding advanced concepts in Java Programming.
3. Understanding importance of Service oriented Architecture of todays web application.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1					3				3						
CO2	2	2			3				3						
CO3	3	3			3				3						

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SUBJECT CODE: CSE352

SUBJECT NAME: SOFTWARE ENGINEERING

COURSE OUTCOMES:

1. Understand Software engineering discipline.
2. To learn about generic models of software development process.
3. To understand the different design techniques and their implementation.
4. To learn various testing and maintenance measures.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	1	2			3		3				
CO2	3		3						3	2	3				
CO3	3			2					3		3				

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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SUBJECT CODE: CSE401

SUBJECT NAME: DATA WARE HOUSING AND DATA MINING.

COURSE OUTCOMES:

1. To understand basic principles, concepts and applications of data warehousing.
2. To understand the concept of data mining and preprocessing.
3. To Understand the concept of association, classification, clustering and classification algorithm.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2	2				2		1				
CO2	3	2	2		3				3						
CO3	3	2		2	3	2			2		2				

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SUBJECT CODE: CSE402

SUBJECT NAME: PRINCIPALS OF COMPILER DESIGN

COURSE OUTCOMES:

1. Understand the major phases of compiler.
2. To learn and use tools for compiler construction.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	1	2					1		2		
CO2	3		3						1					2	

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SUBJECT CODE: CSE403

SUBJECT NAME: OBJECT ORIENTED SOFTWARE MODELLING AND DESIGN

COURSE OUTCOMES:

1. Design a software project using Object Oriented Modelling.
2. Design a software project using Design Patterns.
3. Design an Object-Oriented Software.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	1	2					1			2	
CO2	3		3											1	
CO3	3			2	2						2			3	

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SUBJECT CODE: CSE442

SUBJECT NAME: REMOTE SENSING & GEOGRAPHICAL INFORMATION SYSTEMS.

COURSE OUTCOMES:

1. To learn remote data acquisition techniques.
2. To understand the concepts of remotely sensed data processing and visualization.
3. To apply data processing and visualization methods.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	1	2	1		1		1			1	
CO2	3		3		2		1		1					1	
CO3	3			2	3		1		1		2				2

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SUBJECT CODE: CSE452

SUBJECT NAME: SOFT COMPUTING

COURSE OUTCOMES:

1. To understand the concept of soft computing and pattern recognition.
2. To analyze feed forward networks and understand the significance of non linear output functions of processing unit in feedback network for pattern storage.
3. To understand basics of deep learning.
4. To understand the working of Genetic Algorithms and synthesize applications of soft computing using Genetic Algorithm.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	1	2					1				
CO2	3		3											2	
CO3	3			2							2				2

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SUBJECT CODE: CSE453

SUBJECT NAME: MACHINE LEARNING

COURSE OUTCOMES:

1. To understand the possibilities and limitations of ML.
2. To understand the main ideas behind the most widely used machine learning algorithms.
3. To understand how to build predictive models from data and analyze their performance.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	1	2					1				1
CO2	3		3												3
CO3	3			2							2			2	