

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department of Computer Science & Engineering

Programme Outcomes (PO's)

PO	Description
PO1	Engineering Knowledge: Apply knowledge of mathematics and science, with fundamentals of Computer Science & Engineering to be able to solve complex engineering problems related to CSE.
PO2	Problem Analysis: Identify, Formulate, review research literature and analyze complex engineering problems related to CSE and reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
PO3	Design/Development of solutions: Design solutions for complex engineering problems related to CSE and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural societal and environmental considerations.
PO4	Conduct Investigations of Complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.
PO5	Modern Tool Usage: Create, Select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to computer science related complex engineering activities with an understanding of the limitations.
PO6	The Engineer and Society: Apply Reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the CSE professional engineering practice.
PO7	Environment and Sustainability: Understand the impact of the CSE professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply Ethical Principles and commit to professional ethics and Responsibilities and norms of the engineering practice.
PO9	Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary Settings.
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large such as able to comprehend and with write effective reports and design documentation, make effective presentations and give and receive clear instructions.
PO11	Project Management and Finance: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi-disciplinary environments.

PO12	Life-Long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning the broadest context of technological change.
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Programme Specific Objectives (PSO's)

PSO	Description
PSO1	The ability to understand, analyze and develop computer programs in the areas related to Algorithms, System Software, Multimedia, Web design, Big Data Analytics, and networking for efficient design of computer-based systems of varying complexity.
PSO2	The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.
PSO3	The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies.

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	FUNDAMENTALS OF COMPUTER SCIENCE
Programme:	B. Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	ES1112
Name of the Faculty:	K. GOPI


II. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand the concept of input and output devices of Computers and how it works and recognize the basic terminology used in computer programming.	Understand
CO2	Analyze the Computer networks, types of networks and topologies.	Analyze
CO3	Analyze the concepts of Operating Systems and Databases.	Analyze
CO4	Apply the Advanced Computer Technologies like Distributed Computing & Wireless Networks	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	3	2	-	-	-	-	-	-	-	2	2	3	1
CO2	3	2	3	3	-	-	-	-	-	-	-	3	2	2	1
CO3	2	2	3	3	-	-	-	-	-	-	-	3	3	2	1
CO4	2	2	2	3	-	-	-	-	-	-	-	3	2	3	1
Course	2.3	2.3	2.8	2.8	-	-	-	-	-	-	-	2.8	2.3	2.5	1


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	Engineering Drawing
Programme:	B.Tech
Academic Year	2019-2020
Year/Semester:	I-I
Regulation:	R19
Subject Code:	ES1103
Name of the Faculty:	P.MADHURI

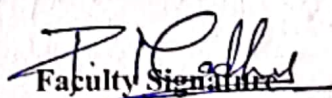
II. COURSE OUTCOMES(COs):

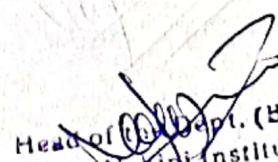
Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	To introduce the students to use drawing instruments and to draw polygons, Engg. Curves.	Apply
CO 2	To introduce the students to use orthographic projections, projections of points & simple lines. To make the students draw the projections of the lines inclined to both the planes.	Apply
CO3	The objective is to make the students draw the projections of the plane inclined to both the planes.	Apply
CO4	The objective is to make the students draw the projections of the various types of solids in different positions inclined to one of the planes.	Apply
CO 5	The objective is to represent the object in 3D view through isometric views. The student will be able to represent and convert the isometric view to orthographic view and vice versa.	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	3	-	-	-	-	-	-	-	-	2	2	2	2
CO2	3	2	2	-	-	-	-	-	-	-	-	2	3	2	1
CO3	2	2	3	-	-	-	-	-	-	-	-	2	2	2	2
CO4	3	2	2	-	-	-	-	-	-	-	-	2	3	2	2
CO5	3	2	2	-	-	-	-	-	-	-	-	2	3	2	1
Course	2.6	2	2.4	-	-	-	-	-	-	-	-	2	2.6	2	1.6


Faculty Signature


Head of Dept. (B.S&T)
Sree Vahini Institute of
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ru-521 235-Krishna D.

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Electronics and Communication Engineering
Course outcome mapping with PO's and PSO's

Course Title:	ENGINEERING / APPLIED CHEMISTRY LABORATORY
Programme:	B.Tech
Academic Year	2019-2020
Year/Semester:	I/I
Regulation:	R19
Subject Code:	BS1107
Name of the Faculty:	N.V.Narasimha Rao

I. COURSE OUTCOMES(COs):

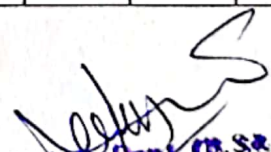
Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Introduction to Chemistry laboratory – Molarity, Normality, Primary, secondary standard solutions, Volumetric titrations, Quantitative analysis, Qualitative analysis, etc.	understand
CO 2	The experiments introduce volumetric analysis; redox titrations with different indicators; EDTA titrations; then they are exposed to a few instrumental methods of chemical analysis.	Analyse
CO3	Thus at the end of the lab course, the student is exposed to different methods of chemical analysis and use of some commonly employed instruments.	understand
CO4	They thus acquire some experimental skills. Standardized solutions using titrations, conductivity meter, PH METER	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	-	2	-	-	-	-	-	-	-	3	2	3	3
CO2	-	3	3	-	-	3	2	-	-	-	-	3	3	2	2
CO3	2	3	-	-	-	-	2	-	-	-	-	3	2	2	2
CO4	2	-	-	3	-	-	-	-	-	-	-	2	3	2	2
Course	2.3	2.6	3	2.5	-	3	2	-	-	-	-	2.8	2.5	2.3	2.3


Faculty Signature


Head of the Dept. (E.C.E.)
Sree Vahini Institute of
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TU-521 235-Krishna 5

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	ENGLISH LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	HS1108
Name of the Faculty:	Y PULLA REDDY

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Vowels , Consonants, Pronunciation Phonetic transcription	Apply
CO 2	Past tense marker, Word stress	Apply
CO 3	Rhythm and Intonation	Apply
CO 4	Contrastive stress	Apply
CO 5	Word stress, stress in compound words	Remember

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	-	-	-	-	-	3	3	2	-	-	-	3	2	2
CO2	2	-	-	-	-	-	3	3	2	-	-	-	3	2	1
CO3	2	-	-	-	-	-	3	3	2	-	-	-	3	2	2
CO4	2	-	-	-	-	-	3	3	2	-	-	-	3	2	2
CO5	2	-	-	-	-	-	3	3	2	-	-	-	3	2	1
Course	2	-	-	-	-	-	3	3	2	-	-	-	3	2	1.6

Y. pulla Reddy

Faculty Signature

[Signature]
Head of the Dept. (B.S&H)
Sree Vahini Institute of
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	ENGLISH
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	HS1101
Name of the Faculty:	Y.PULLA REDDY

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	To facilitate effective listening skills for better comprehension of academic lectures	Apply
CO 2	Focus on appropriate reading strategies for comprehension of various academic texts	Apply
CO 3	Help improve speaking skills through participation in activities such as role plays, discussion and structured talks	Apply
CO 4	Impart effective strategies for good writing and demonstrate the same in summarizing.	Apply
CO 5	Provide knowledge of grammatical structures and vocabulary and encourage their appropriate use in speech	Remember

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	-	-	-	-	-	3	3	2	-	-	-	3	2	2
CO2	1	-	-	-	-	-	3	3	2	-	-	-	3	2	1
CO3	2	-	-	-	-	-	3	3	2	-	-	-	3	2	2
CO4	2	-	-	-	-	-	3	3	2	-	-	-	3	2	2
CO5	1	-	-	-	-	-	3	3	2	-	-	-	3	2	1
Course	1.6	-	-	-	-	-	3	3	2	-	-	-	3	2	1.6

y. pulla Reddy
Faculty Signature

Head of the Dept. (B.Sc.)
Sree Vahini Institute of
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ru-521 235-Krishna D.

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	MATHEMATICS-1
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	BS1101
Name of the Faculty:	M POTHURAJU

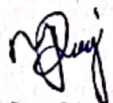
I. COURSE OUTCOMES(COs):

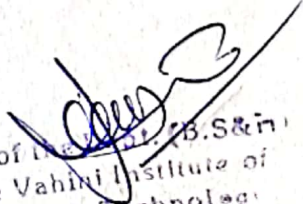
Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Utilize mean value theorems to real life problems	Apply
CO 2	Solve the differential equations of first order related to various engineering fields	Apply
CO 3	Solve the differential equations second and higher order related to various engineering fields	Apply
CO 4	Calculate total derivative, Jacobian and familiarize with functions of several variables which is useful in optimization	Apply
CO 5	Apply double integration techniques in evaluating areas bounded by region	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	-	-	-	-	-	2	2	3	2	2
CO2	3	3	3	2	1	-	-	-	-	-	1	2	3	2	1
CO3	3	3	3	2	2	-	-	-	-	-	1	2	3	2	2
CO4	2	3	3	2	2	-	-	-	-	-	2	2	3	2	2
CO5	2	3	3	2	1	-	-	-	-	-	2	2	3	2	1
Course	2.6	3	3	2	1.6	-	-	-	-	-	1.6	2	3	2	1.6


Faculty Signature


Head of Institute, B.S&T
Sree Vahini Institute of
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**SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU****Department of Electrical & Electronics Engineering****Course outcome mapping with PO's and PSO's**

Course Title:	ENGLISH
Programme:	B. Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	HS1101
Name of the Faculty:	V J MOSES

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	To facilitate effective listening skills for better comprehension of academic lectures	Apply
CO 2	Focus on appropriate reading strategies for comprehension of various academic texts	Apply
CO 3	Help improve speaking skills through participation in activities such as role plays, discussion and structured talks	Apply
CO 4	Impart effective strategies for good writing and demonstrate the same in summarizing.	Apply
CO 5	Provide knowledge of grammatical structures and vocabulary and encourage their appropriate use in speech	Remember

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	-	-	-	-	-	3	3	2	-	-	-	3	2
CO2	2	-	-	-	-	-	3	3	2	-	-	-	3	2
CO3	2	-	-	-	-	-	3	3	2	-	-	-	3	2
CO4	2	-	-	-	-	-	3	3	2	-	-	-	3	2
CO5	2	-	-	-	-	-	3	3	2	-	-	-	3	2
Course	2	-	-	-	-	-	3	3	2	-	-	-	3	2

Faculty Signature

Head of the Dept. (B.S&E),
Sree Vahini Institute of
Science & Technology

**SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU****Department of Electrical & Electronics Engineering****Course outcome mapping with PO's and PSO's**

Course Title:	MATHEMATICS-I
Programme:	B. Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	BS1101
Name of the Faculty:	M POTHURAJU

I. COURSE OUTCOMES (COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Utilize mean value theorems to real life problems	Apply
CO 2	Solve the differential equations of first order related to various engineering fields	Apply
CO 3	Solve the differential equations second and higher order related to various engineering fields	Apply
CO 4	Calculate total derivative, Jacobian and familiarize with functions of several variables which is useful in optimization	Apply
CO 5	Apply double integration techniques in evaluating areas bounded by region	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	2	2	-	-	-	-	-	2	2	2	2
CO2	3	3	3	2	1	-	-	-	-	-	1	2	2	1
CO3	3	3	3	2	2	-	-	-	-	-	1	2	2	2
CO4	2	3	3	2	2	-	-	-	-	-	2	2	2	2
CO5	2	3	3	2	1	-	-	-	-	-	2	2	2	1
Course	2.6	3	3	2	1.6	-	-	-	-	-	1.6	2	2	1.6

Faculty Signature

Head of the Dept. (B. Sc & T.)
Sree Vahini Institute of
Science & Technology
ru-521 235-Krishna D



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Electrical & Electronics Engineering

Course outcome mapping with PO's and PSO's

Course Title:	Programming for Problem Solving using C
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	ES1101
Name of the Faculty:	D.MANI MOHAN

I. COURSE OUTCOMES (COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Formulate algorithm/flowchart for given arithmetic and logical problem	Understand
CO 2	Translate algorithm/flowchart into C program using correct syntax and execute it	Illustrate
CO 3	Write programs using Analyze the different operators, Selection & Making Decisions Statements and Loops Concepts with Programming Examples.	Analyze
CO 4	Understand the concept of Array, Strings and Enumerated, Structure, and Union to solve different problems	Understand
CO 5	Analyze the concepts of Pointers, memory allocation Functions with programming Applications.	Analyze
CO 6	To decompose a problem into functions and to develop modular reusable code and apply File I/O operations	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	3	1	-	-	-	-	-	-	-	-	2	2
CO2	3	2	2	1	-	-	-	-	-	-	-	-	3	2
CO3	2	2	3	1	-	-	-	-	-	-	-	-	2	2
CO4	3	2	2	1	-	-	-	-	-	-	-	-	3	2
CO5	3	2	3	1	-	-	-	-	-	-	-	-	3	2
CO6	2	2	2	1	-	-	-	-	-	-	-	-	2	2
Course	2.6	2	2.5	1	-	-	-	-	-	-	-	-	2.5	2

Faculty Signature

Head of the Dept. (B.S&T)
Sree Vahini Institute of
Science & Technology
Tiruvuru-621 235, Krishna D.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Electrical & Electronics Engineering

Course outcome mapping with PO's and PSO's

Course Title:	Programming for Problem Solving using C Lab
Programme:	B. Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	ES1102
Name of the Faculty:	D.MANIMOHAN

I. COURSE OUTCOMES (COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Develop C programs for simple applications making use of basic constructs	Develop
CO 2	Apply the concept of conditionals and loops in C programs.	Apply
CO 3	Develop the C programs with arrays and strings.	Develop
CO 4	Apply the concept of functions, recursion in C programs	Apply
CO 5	Analyze the concept of pointers, and structures in C	Analyze
CO 6	Examine the use of sequential and random access file processing.	Apply

II. CO-PO/PSO MATRIX:

	PO 1	PO2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO12	PSO1	PSO2
CO1	3	3	3	2	-	-	-	-	-	-	-	-	1	-
CO2	3	2	2	1	-	-	-	-	-	-	-	-	2	2
CO3	3	3	3	2	-	-	-	-	-	-	-	-	1	2
CO4	3	2	2	1	-	-	-	-	-	-	-	-	2	1
CO5	3	3	3	2	-	-	-	-	-	-	-	-	2	1
CO6	3	2	2	1	-	-	-	-	-	-	-	-	1	2
Course	3	2.5	2.5	1.5	-	-	-	-	-	-	-	-	1.5	1.6

Faculty Signature

Head of the Dept. (B.S&T)
Sree Vahini Institute of
Science & Technology
ru-421-235-Krishna D.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Electrical & Electronics Engineering

Course outcome mapping with PO's and PSO's

Course Title:	Engineering Drawing
Programme:	B. Tech
Academic Year	2019-2020
Year/Semester:	I-I
Regulation:	R19
Subject Code:	ES1103
Name of the Faculty:	V.Rama chandrarao

COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	To introduce the students to use drawing instruments and to draw polygons, Engg. Curves.	Apply
CO 2	To introduce the students to use orthographic projections, projections of points & simple lines. To make the students draw the projections of the lines inclined to both the planes.	Apply
CO3	The objective is to make the students draw the projections of the plane inclined to both the planes.	Apply
CO4	The objective is to make the students draw the projections of the various types of solids in different positions inclined to one of the planes.	Apply
CO 5	The objective is to represent the object in 3D view through isometric views. The student will be able to represent and convert the isometric view to orthographic view and vice versa.	Analyze

CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	3	-	-	-	-	-	-	-	-	2	2	2
CO2	3	2	2	-	-	-	-	-	-	-	-	2	3	2
CO3	2	2	3	-	-	-	-	-	-	-	-	2	2	2
CO4	3	2	2	-	-	-	-	-	-	-	-	2	3	2
CO5	3	2	2	-	-	-	-	-	-	-	-	2	3	2
Course	2.6	2	2.4	-	-	-	-	-	-	-	-	2	2.6	2

Faculty Signature

Head of the Dept. (B.Sc&IT)
Sree Vahini Institute of
Science & Technology

**SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU****Department of Electrical & Electronics Engineering****Course outcome mapping with PO's and PSO's**

Course Title:	Applied Chemistry
Programme:	B. Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	BS1106
Name of the Faculty:	N.V.Narasimha Rao

II. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Importance of usage of plastics in household appliances and composites (FRP) in aerospace and automotive industries.	Apply
CO 2	Outline the basics for the construction of electrochemical cells, batteries and fuel cells. Understand the mechanism of corrosion and how it can be prevented.	Apply
CO 3	Express the increase in demand as wide variety of advanced materials are introduced; which have excellent engineering properties.	Apply
CO 4	Explain the crystal structures, and the preparation of semiconductors. Magnetic properties are also studied.	Apply
CO 5	Recall the increase in demand for power and hence alternative sources of power are studied due to depleting sources of fossil fuels. Advanced instrumental techniques are introduced.	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	2	2	-	-	-	-	-	2	2	2	2
CO2	3	3	3	2	1	-	-	-	-	-	1	2	2	1
CO3	3	3	3	2	2	-	-	-	-	-	1	2	2	2
CO4	2	3	3	2	2	-	-	-	-	-	2	2	2	2
CO5	2	3	3	2	1	-	-	-	-	-	2	2	2	1
Course	2.6	3	3	2	1.6	-	-	-	-	-	1.6	2	2	1.6

N.V.Narasimha Rao
Faculty Signature

[Signature]
Head of the Dept. (B.Sc & E)
Sree Vahini Institute of
Science & Technology
ru-521 235-Krishna D

Department of Electrical And Electronics Engineering
Course outcome mapping with PO's and PSO's

Course Title:	EEW LAB
Programme:	B.Tech
Academic Year:	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	ES1218
Name of the Faculty:	K.RAMYA

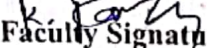
II. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Making of Joints and understanding their uses in Wooden Products like Table, Frame, etc.	Understand
CO 2	Metal Joining with simple saw process us	Understand
CO 3	Knowledge in Casting and Molding of Metals.	Understand
CO 4	Be competent to handle various instruments for the measurement of electrical quantities.	Understand
CO 5	Knowledge of MCB'S, fuses	understand
CO 6	Knowledge of various partsof computer	Understand

II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	-	3	2	2	-	-	-		3	-	-	-	2
CO2	3	3	3	2	3	-	-	-	2	2	-	-	2	2
CO3	3	-	2	3	2	-	-	-	3	2	-	-	3	2
CO4	3	-	2	2		-	-	-	2	2	-	-	2	-
CO5	-	-	3		2	-	-	-	2	2	-	-	2	-
CO6	-	-	3		2	-	-	-	-	2	-	-	-	2
Course	3	3	2.67	2.25	2.2	--	-	-	2.25	2.17	-	-	2.25	2


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 Sree Vahini Institute of
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Electrical And Electronics Engineering Course outcome mapping with PO's and PSO's

Course Title:	APPLIED PHYSICS
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	BS1204
Name of the Faculty:	V.HARIKA

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Explain the need of coherent sources and the conditions for sustained interference, Analyze the differences between interference and diffraction with applications, Illustrate the resolving power of various optical instruments.	Understanding, Applying, Analyzing
CO 2	Explain the fundamental concepts of quantum mechanics, Analyze the physical significance of wave function, Apply Schrödinger's wave equation for energy values of a free particle	Understanding, Applying
CO 3	Explain the various electron theories, calculate the Fermi energy, analyze the physical significance of wave function, interpret the effects of temperature on Fermi Dirac distribution function, and summarize various types of solids based on band theory.	Understanding, Applying
CO 4	Classify the energy bands of semiconductors; Outline the properties of n-type and p-type semiconductors, Identify the type of semiconductor using Hall effect.	Understanding
CO 5	Explain the concept of dielectric constant and polarization in dielectric materials, summarize various types of polarization of dielectrics, interpret Lorentz field and Claussius Mosotti relation in dielectrics, classify the magnetic materials based on susceptibility and their temperature dependence. Explain the applications of dielectric and magnetic materials, Apply the concept of magnetism to magnetic devices.	Understanding, Applying



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II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	-	2	-	-	-	-	-	-	-	2	2	2
CO2	3	2	-	2	-	-	-	-	-	-	-	2	2	2
CO3	3	2	2	2	-	-	-	-	-	-	-	2	2	2
CO4	3	2	-	-	-	-	-	-	-	-	-	2	2	-
CO5	3	2	2	-	-	-	-	-	-	-	-	2	2	-
Course	3	2	2	2	-	-	-	-	-	-	-	2	2	2


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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Electrical and Electronics Engineering

Course outcome mapping with PO's and PSO's

Course Title:	FUNDAMENTALS OF COMPUTER SCIENCE
Programme:	B. Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	ES1212
Name of the Faculty:	M.Kishore Kumar

COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand the concept of input and output devices of Computers and how it works and recognize the basic terminology used in computer programming.	Understand
CO2	Analyze the Computer networks, types of networks and topologies.	Analyze
CO3	Analyze the concepts of Operating Systems and Databases.	Analyze
CO4	Apply the Advanced Computer Technologies like Distributed Computing & Wireless Networks	Apply

II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3	3	2	-	-	-	-	-	-	-	2	2	3
CO2	3	2	3	3	-	-	-	-	-	-	-	3	2	2
CO3	2	2	3	3	-	-	-	-	-	-	-	3	3	2
CO4	2	2	2	3	-	-	-	-	-	-	-	3	2	3
Course	2.2	2.2	2.7	2.7	-	-	-	-	-	-	-	2.75	2.25	2.5

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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department Of Electrical And Electronics Engineering Course outcome mapping with PO's and PSO's

Course Title:	MATHEMATICS - III
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	BS1203
Name of the Faculty:	D.SAIPRATAP

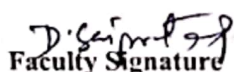
COURSE OUTCOMES(COs):

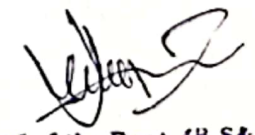
Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand the physical meaning of different operators such as gradient, curl and divergence	Apply
CO 2	Evaluate the work done against a field, circulation and flux using vector calculus	Apply
CO 3	Apply the Laplace transform for solving differential equations	Apply
CO 4	Find or compute the Fourier series of periodic signals	Apply
CO 5	evaluate methods for partial differential equations that model physical processes	Analyze

II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	-	2	-	-	-	-	-	-	-	-	2	2
CO2	-	3	-	3	-	-	-	-	-	-	-	2	3	2
CO3	2	3	3	-	-	-	-	-	-	-	-	-	2	3
CO4	3	2	-	2	-	-	-	-	-	-	-	2	3	2
CO5	3	-	3	2	-	-	-	-	-	-	-	2	2	3
Course	2.7	2.5	3	2.2	-	-	-	-	-	-	-	2	2.4	2.4


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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Electrical & Electronics Engineering

Course outcome mapping with PO's and PSO's

Course Title:	ENGINEERING / APPLIED CHEMISTRY LABORATORY
Programme:	B. Tech
Academic Year	2019-2020
Year/Semester:	I/II
Regulation:	R19
Subject Code:	HS1102
Name of the Faculty:	N.V.Narasimha Rao

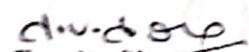
L COURSE OUTCOMES (COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Introduction to Chemistry laboratory – Molarity, Normality, Primary, secondary standard solutions, Volumetric titrations, Quantitative analysis, Qualitative analysis, etc.	understand
CO 2	The experiments introduce volumetric analysis; redox titrations with different indicators; EDTA titrations; then they are exposed to a few instrumental methods of chemical analysis.	Analyze
CO3	Thus at the end of the lab course, the student is exposed to different methods of chemical analysis and use of some commonly employed instruments.	understand
CO4	They thus acquire some experimental skills. Standardized solutions using titrations, conductivity meter, PH METER	Apply

II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO12	PSO1	PSO2
CO1	3	2	-	2	-			-	-	-	-	3	2	3
CO2	-	3	3		-	3	2	-	-	-	-	3	3	2
CO3	2	3	-	-	-	-	2	-	-	-	-	3	2	2
CO4	2	-	-	3	-	-		-	-	-	-	2	3	2
Course	2.3	2.6	3	2.5	-	3	2	-	-	-	-	2.7	2.5	2.2


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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's

Course Title:	APPLIED PHYSICS
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	BS1204
Name of the Faculty:	M.V.S.PRASAD

I.COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Explain the need of coherent sources and the conditions for sustained interference, Analyze the differences between interference and diffraction with applications, Illustrate the resolving power of various optical instruments.	Understanding, Applying, Analyzing
CO 2	Explain the fundamental concepts of quantum mechanics, Analyze the physical significance of wave function, Apply Schrödinger's wave equation for energy values of a free particle	Understanding, Applying
CO 3	Explain the various electron theories, calculate the Fermi energy, analyze the physical significance of wave function, interpret the effects of temperature on Fermi Dirac distribution function, summarize various types of solids based on band theory.	Understanding, Applying
CO 4	Classify the energy bands of semiconductors; Outline the properties of n-type and p-type semiconductors, Identify the type of semiconductor using Hall effect.	Understanding
CO 5	Explain the concept of dielectric constant and polarization in dielectric materials, summarize various types of polarization of dielectrics, interpret Lorentz field and Claussius Mosotti relation in dielectrics, classify the magnetic materials based on susceptibility and their temperature dependence. Explain the applications of dielectric and magnetic materials, Apply the concept of magnetism to magnetic devices.	Understanding, Applying

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	-	2	-	-	-	-	--	-	-	2	2	2	2
CO2	3	2	-	2	-	-	-	-	--	-	-	2	2	2	2
CO3	3	2	2	2	-	-	-	-	--	-	-	2	2	2	2
CO4	3	2	-	-	-	-	-	-	--	-	-	2	2	2	2
CO5	3	2	2	-	-	-	-	-	--	-	-	2	2	2	2
Course	3	2	2	2	-	-	-	-	--	-	-	2	2	2	2

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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	ENGINEERING / APPLIED CHEMISTRY LABORATORY
Programme:	B.Tech
Academic Year:	2019-2020
Year/Semester:	I/II
Regulation:	R19
Subject Code:	HS1102
Name of the Faculty:	N.V.Narasimha Rao

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Introduction to Chemistry laboratory – Molarity, Normality, Primary, secondary standard solutions, Volumetric titrations, Quantitative analysis, Qualitative analysis, etc.	understand
CO 2	The experiments introduce volumetric analysis; redox titrations with different indicators; EDTA titrations; then they are exposed to a few instrumental methods of chemical analysis.	Analyse
CO3	Thus at the end of the lab course, the student is exposed to different methods of chemical analysis and use of some commonly employed instruments.	understand
CO4	They thus acquire some experimental skills. Standardized solutions using titrations, conductivity meter, PH METER	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2	-	-		-	-	-	-	3	2	3	3
CO2	-	3	3	-	-	3	2	-	-	-	-	3	3	2	3
CO3	2	3	-	-	-	-	2	-	-	-	-	3	2	2	3
CO4	2	-	-	3	-	-	-	-	-	-	-	2	3	2	2
Course	2.3	2.6	3	2.5	-	3	2	-	-	-	-	2.7	2.5	2.2	2.7


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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	ENGLISH
Programme:	B.Tech
Academic Year:	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	HS1203
Name of the Faculty:	P.RAMESH

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Vowels , Consonants, Pronunciation Phonetic transcription	Apply
CO 2	Past tense marker, Word stress	Apply
CO 3	Rhythm and Intonation	Apply
CO 4	Contrastive stress	Apply
CO 5	Word stress, stress in compound words	Remember

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	-	-	-	--	-	3	3	2	-	-	-	2	2	2
CO2	2	-	-	-	--	-	3	3	2	-	-	-	2	2	2
CO3	2	-	-	-	--	-	3	3	2	-	-	-	2	2	2
CO4	2	-	-	-	--	-	3	3	2	-	-	-	2	2	2
CO5	2	-	-	-	--	-	3	3	2	-	-	-	2	2	2
Course	2	-	-	-	--	-	3	3	2	-	-	-	2	2	2

Faculty Signature

Head of the Dept. (B.S&T)
Sree Vahini Institute of
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	MATHEMATICS - III (BS1203)
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	BS1203
Name of the Faculty:	M.POTHURAJU

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Under stand the physical meaning of different operators such as gradient, curl and divergence	Apply
CO 2	Evaluate the work done against a field, circulation and flux using vector calculus	Apply
CO 3	Apply the Laplace transform for solving differential equations	Apply
CO 4	Find or compute the Fourier series of periodic signals	Apply
CO 5	Evaluate methods for partial differential equations that model physical processes	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	-	2	-	-	-	-	-	-	-	-	2	2	2
CO2	-	3	-	3	-	-	-	-	-	-	-	2	3	2	2
CO3	2	3	3		-	-	-	-	-	-	-	-	2	3	2
CO4	3	2	-	2	-	-	-	-	-	-	-	2	3	2	2
CO5	3	-	3	2	-	-	-	-	-	-	-	2	2	3	2
Course	2.7	2.5	3	2.2	-	-	-	-	-	-	-	2	2.4	2.4	2


Faculty Signature


Head of the Dept. (B.S&E)
Sree Vahini Institute of
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ru-521 235-Krishna D.

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	M-II
Programme:	B.Tech
Academic Year	2019-2020
Year/Semester:	I/II
Regulation:	R19
Subject Code:	BS1102
Name of the Faculty:	P.ASHOK

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Develop the use of matrix algebra techniques	Understand
CO 2	Solve system of linear algebraic equations	Apply
CO3	Evaluate approximating the route of polynomial and transcendental equations	Evaluate
CO4	Apply newtons forward and backward interpolation	Apply
CO 5	Apply different algorithms for approximating the solutions of ordinary differential equations	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	-	2	2	2	-	-	-	2	3	2
CO2	2	-	2	2	-	-	-	-	-	-	-	-	3	2	2
CO3	2	2	-	-	-	-	2	-	-	-	-	-	2	2	2
CO4	2	-	2	-	-	-	3	-	-	-	-	-	3	2	2
CO5	2	-	-	-	-	-	-	-	3	3	-	-	3	2	2
Course	2.2	2	2	2	-	-	2.3	2	2.5	3	-	-	2	3	2

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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	APPLIED PHYSICS LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	ES1205
Name of the Faculty:	V.L.HARIKA

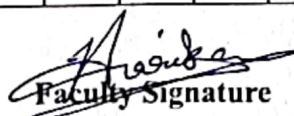
I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Develop analytical/experimental skills and impart prerequisite hands on experience forengineering laboratories	Apply
CO 2	Understand the need for precise measurement practices for data recording	Understand
CO 3	Understand the principle, concept, working and applications of relevant technologies andcomparison of results with theoretical calculations	Understand
CO 4	Analyze the techniques and skills associated with modern scientific tools such as lasers andfiber optics	Analyze
CO 5	Develop basic communication skills through working in groups in performing the laboratoryexperiments and by interpreting the results	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	3	-	-	1	2	-	-	1	2	2	2
CO2	3	-	-	-	3	-	-	1	2	-	-	1	2	2	2
CO3	3	-	-	-	3	-	-	1	2	-	-	1	2	2	2
CO4	3	-	-	-	3	-	-	1	2	-	-	1	2	2	2
CO5	3	-	-	-	3	-	-	1	2	-	-	1	2	2	2
Course	3	-	-	-	3	-	-	1	2	-	-	1	2	2	2


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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Electrical And Electronics Engineering Course outcome mapping with PO's and PSO's

Course Title:	M-II
Programme:	B.Tech
Academic Year	2019-2020
Year/Semester:	I/II
Regulation:	R19
Subject Code:	BS1102
Name of the Faculty:	P.ASHOK

COURSE OUTCOMES (COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Develop the use of matrix algebra techniques	Understand
CO 2	Solve system of linear algebraic equations	Apply
CO3	Evaluate approximating the route of polynomial and transcendental equations	Evaluate
CO4	Apply newtons forward and backward interpolation	Apply
CO 5	Apply different algorithms for approximating the solutions of ordinary differential equations	Apply

II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	-	-	-	-	-	2	2	2	-	-	-	2	3
CO2	2		2	2	-	-	-	-	-	-	-	-	3	2
CO3	2	2	-	-	-	-	2	-	-	-	-	-	2	2
CO4	2	-	2	-	-	-	3	-	-	-	-	-	3	2
CO5	2	-	-	-	-	-	-	-	3	3	-	-	3	2
Course	2.2	2	2	2	-	-	2.3	2	2.5	3	-	-	2.6	2.2

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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Electrical And Electronics Engineering****Course outcome mapping with PO's and PSO's**

Course Title:	EEP LAB
Programme:	B. Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	ES1218
Name of the Faculty:	K. Nageswararao

I. COURSE OUTCOMES (COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand the Engineering attributes and Ethics.	Understand
CO 2	Identify the community problem and its stakeholder.	Understand
CO 3	Examine required specifications and gap in existing and required product.	Understand
CO 4	Build sustaining interactions among people that create social value by transforming ideas into tangible products, services, or initiatives	Understand
CO 5	Develop skills to work collaboratively, reports and progress updates throughout the lifecycle of the project.	understand

II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	-	3	2	2	-	-	-		3	-	-	-	2
CO2	3	3	3	2	3	-	-	-	2	2	-	-	2	2
CO3	3	-	2	3	2	-	-	-	3	2	-	-	3	2
CO4	3	-	2	2		-	-	-	2	2	-	-	2	-
CO5	-	-	3		2	-	-	-	2	2	-	-	2	-
Course	3	3	2.67	2.25	2.2	-	-	-	2.25	2.17	-	-	2.25	2

Faculty Signature

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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Electrical And Electronics Engineering

Course outcome mapping with PO's and PSO's

Course Title:	APPLIED PHYSICS LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	ES1205
Name of the Faculty:	V.L.HARIKA

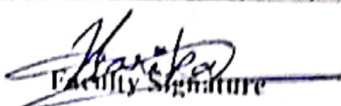
I. COURSE OUTCOMES (COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Develop analytical/experimental skills and impart prerequisite hands on experience for engineering laboratories	Apply
CO 2	Understand the need for precise measurement practices for data recording	Understand
CO 3	Understand the principle, concept, working and applications of relevant technologies and comparison of results with theoretical calculations	Understand
CO 4	Analyze the techniques and skills associated with modern scientific tools such as lasers and fiber optics	Analyze
CO 5	Develop basic communication skills through working in groups in performing the laboratory experiments and by interpreting the results	Analyze

II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	-	-	-	3	-	-	1	2	-	-	1	2	2
CO2	3	-	-	-	3	-	-	1	2	-	-	1	2	2
CO3	3	-	-	-	3	-	-	1	2	-	-	1	2	2
CO4	3	-	-	-	3	-	-	1	2	-	-	1	-	-
CO5	3	-	-	-	3	-	-	1	2	-	-	1	-	-
Course	3	-	-	-	3	-	-	1	2	-	-	1	2	2


Faculty Signature



Head of the Dept. (B.Tech)
Sree Vahini Institute of
Science & Technology
Tiruvuru, Mahabubnagar D.

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	Programming for Problem Solving using C
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	ES1201
Name of the Faculty:	B.SIVA KANAKA RAJU

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Formulate algorithm/flowchart for given arithmetic and logical problem	Understand
CO 2	Translate algorithm/flowchart into C program using correct syntax and execute it	Illustrate
CO 3	Write programs using Analyze the different operators, Selection & Making Decisions Statements and Loops Concepts with Programming Examples.	Analyze
CO 4	Understand the concept of Array, Strings and Enumerated, Structure, and Union to solve different problems	Understand
CO 5	Analyze the concepts of Pointers, memory allocation Functions with programming Applications.	Analyze
CO 6	To decompose a problem into functions and to develop modular reusable code and apply File I/O operations	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	1	-	-	-	-	--	-	-	-	2	2	2
CO2	3	2	2	1	-	-	-	-	--	-	-	-	3	2	2
CO3	2	2	3	1	-	-	-	-	--	-	-	-	2	2	2
CO4	3	2	2	1	-	-	-	-	--	-	-	-	3	2	2
CO5	3	2	3	1	-	-	-	-	--	-	-	-	3	2	2
CO6	2	2	2	1	-	-	-	-	--	-	-	-	2	2	2
Course	2.6	2	2.5	1	-	-	-	-	--	-	-	-	2.5	2	2

Faculty Signature

Head of the Dept. (B.S&E)
Sree Vahini Institute of
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19-521 235-Krishna D

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	Programming for Problem Solving using C Lab
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	ES1202
Name of the Faculty:	B.SIVA KANAKA RAJU

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Develop C programs for simple applications making use of basic constructs	Develop
CO 2	Apply the concept of conditionals and loops in C programs.	Apply
CO 3	Develop the C programs with arrays and strings.	Develop
CO 4	Apply the concept of functions, recursion in C programs	Apply
CO 5	Analyze the concept of pointers, and structures in C	Analyze
CO 6	Examine the use of sequential and random access file processing.	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	-	-	-	-	-	-	-	-	1	-	2
CO2	3	2	2	1	-	-	-	-	-	-	-	-	2	2	2
CO3	3	3	3	2	-	-	-	-	-	-	-	-	1	2	2
CO4	3	2	2	1	-	-	-	-	-	-	-	-	2	1	2
CO5	3	3	3	2	-	-	-	-	-	-	-	-	2	1	2
CO6	3	2	2	1	-	-	-	-	-	-	-	-	1	2	2
Course	3	2.5	2.5	1.5	-	-	-	-	-	-	-	-	1.5	1.6	2


Faculty Signature


Head of the Dept. (B.S&C)
Sree Vahini Institute of
Science & Technology
No. 21/235-Krishna D.

SREE VAHINI INSTITUTE OF SCIENCE AND TECHNOLOGY::TIRUVURU

Department of Electrical and Electronics Engineering

Course outcome mapping with PO's and PSO's

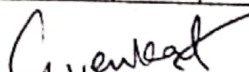
Course Title:	ELECTRICAL CIRCUIT ANALYSIS-I
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	EE1217
Name of the Faculty:	G VENKAT


COURSE OUTCOMES(COs):

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Summarize the concepts of passive elements, types of sources and various network reduction techniques and solve various electrical networks in presence of active and passive elements	ANALYSIS
CO 2	Illustrate the applications of network topology to electrical circuits by solving Electrical networks with network topology concepts.	ANALYSIS
CO 3	Illustrate the concept of magnetic coupled circuit and solve any magnetic circuit with various dot conventions	UNDERSTAND
CO 4	Explain the behavior of RLC networks for sinusoidal excitations and solve Any R, L, C network with sinusoidal excitation.	ANALYSIS
CO 5	Examine the performance of R-L, R-C and R-L-C circuits with variation of one of the parameters and to understand the concept of resonance and solve Any R, L, network with variation of any one of the parameters i.e. R, L, C. and f.	ANALYSIS
CO 6	Make use of network theorems for analysis of electrical networks and solve Electrical networks by using principles of network theorems.	UNDERSTAND

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO 4	PO 5	PO 6	PO7	PO8	PO9	PO1 0	PO1 1	PO1 2	PSO1	PSO2
CO1	3	2	1	-	2	-	-	-	-	-	-	-	2	2
CO2	3	3	-	-	2	-	-	-	-	-	-	-	2	3
CO3	2	3	1	-	2	-	-	-	-	-	-	-	2	2
CO4	3	2	1	-	2	-	-	-	-	-	-	-	2	2
CO5	3	2	1	-	2	-	-	-	-	-	-	-	2	2
CO6	3	2	1	-	2	-	-	-	-	-	-	-	2	2
Course	2.83	2.33	1	-	2	-	--	-	-	-	-	-	2	2.17


Faculty Signature


Head of the Dept. (B. Sc & T)
Sree Vahini Institute of
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ru-521 235-Krishna D.

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	COMPUTER GRAPHICS
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/I
Regulation:	R16
Subject Code:	R1621056
Name of the Faculty:	K. MOUNIKA

I. COURSE OUTCOMES(COs):

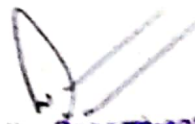
Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understanding the general software architecture of programs that use 3D computer graphics.	Understand
CO2	Analyse hardware system architecture for computer graphics. (graphics pipeline, frame buffers, and graphic)	Analyze
CO3	Implement accelerators/co-processors	Apply
CO4	Execute models for lighting/shading: Color, ambient light; distant and light with sources; Phong reflection model; and shading (flat, smooth,Gourand, Phong).	Analyse

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	2	1	2	-	-	-	-	-	-	2	2	1	2
CO2	2	1	3	2	2	-	-	-	-	-	-	2	2	2	2
CO3	1	2	2	2	1	-	-	-	-	-	-	3	2	3	1
CO4	2	2	3	2	2	-	-	-	-	-	-	3	3	2	2
CO5	2	3	1	1	2	-	-	-	-	-	-	1	2	1	2
Course	1.8	2.2	2.2	1.6	1.8	-	-	-	-	-	-	2.2	2.2	1.8	1.8

Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishnamoorthy Dr. A.R. Post-624 236

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	Statistics with R Programming
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/I
Regulation:	R16
Subject Code:	R1621051
Name of the Faculty:	P.Veera Swamy

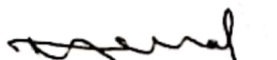
I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Construct Various Advanced Data structures through R	Apply
CO 2	Develop R programs using control structures	Apply
CO3	Apply Math and Simulation functions on various Problems like Vector cross product, Finding Stationary Distribution of Markov Chains and Vector cross product	Apply
CO4	Develop Graphs using different R graphical functions.	Apply
CO 5	Test the hypothesis using various probability distributions.	Analyze
CO 6	Illustrate the linear and nonlinear regression models	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	2	3	-	-	-	-	-	-	-	-	-	2	2	2
CO2	3	-	2	-	-	-	-	-	-	-	-	2	3	2	2
CO3	2	-	3	-	-	-	-	-	-	-	-	2	2	2	2
CO4	3	2	-	-	-	-	-	-	-	-	-	2	3	2	2
CO5	3	2	-	-	-	-	-	-	-	-	-	2	3	2	2
CO6	2	2	-	-	-	-	-	-	-	-	-	2	2	2	2
Course	2.5	2	2.67	-	-	-	-	-	-	-	-	2	2.5	2	2


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	Database Management Systems
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/I
Regulation:	R16
Subject Code:	R1631054
Name of the Faculty:	P.Veera Swamy

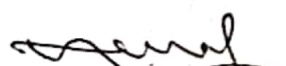
I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Introduction to database systems and define structure of the database system	Understand
CO 2	Describe database system as relational model and entity relationship model	Analyze
CO3	Create, maintain and manipulate a relational database using SQL	Analyze
CO4	Examine issues in data storage and query processing and can formulate appropriate solutions and normalization for database.	Analyze
CO 5	Understand the role and issues in management of data such as efficiency, privacy, security, ethical responsibility, and strategic advantage.	Understand
CO 6	Design and build database system for a given real world problem	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	1	3	1	-	-	-	-	-	-	-	2	2	2	2
CO2	3	3	2	1	-	-	-	-	-	-	-	2	3	2	2
CO3	3	2	3	2	-	-	-	-	-	-	-	2	2	2	2
CO4	3	2	3	2	-	-	-	-	-	-	-	2	3	2	2
CO5	3	2	3	1	-	-	-	-	-	-	-	2	3	2	2
CO6	2	3	2	1	-	-	-	-	-	-	-	2	2	2	2
Course	2.7	2.1	2.6	1.3	-	-	-	-	-	-	-	2	2.5	2	2


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
Tiruvuru
35

Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	N58MP
Name of the Faculty:	K.V.PANDU RANGA RAO

XII. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Explain the characteristics of machine learning that make it useful to real-world, Problems.	Understand
CO2	Categorize machine learning algorithms as supervised, semi-supervised, and Unsupervised.	Analyze
CO3	Analyze a few machine learning toolboxes.	Analyze
CO4	Use support vector machines and regularized regression algorithms	Apply
CO6	Describe the concept behind neural networks for learning non-linear functions	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PSO1	PSO2	PSO3
CO1	3	-	-	-	3	3
CO2	3	-	-	-	3	3
CO3	2	-	-	-	3	3
CO4	3	-	-	-	3	3
CO6	3	-	-	-	3	3
Course	2.8	-	-	-	3	3

Faculty Signature

Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TUVURU, Krishna Dist. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	Database Management Systems Lab
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II I
Regulation:	R16
Subject Code:	R1631058
Name of the Faculty:	P.Veera Swamy

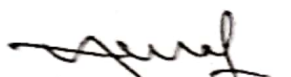
I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand, appreciate and effectively explain the underlying concepts of database technologies	Understand
CO 2	Design and implement a database schema for a given problem-domain and Normalize a database	Analyze
CO3	Populate and query a database using SQL DML/DDDL commands.	Analyze
CO4	Declare and enforce integrity constraints on a database using a RDBMS	Analyze
CO 5	Programming PL/SQL including stored procedures, stored functions, cursors, packages.	Understand
CO 6	Design and build a GUI application using a 4GL	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	1	3	1	-	-	-	-	-	-	-	2	2	2	2
CO2	3	3	2	1	-	-	-	-	-	-	-	2	3	2	2
CO3	3	2	3	2	-	-	-	-	-	-	-	2	2	2	2
CO4	3	2	3	2	-	-	-	-	-	-	-	2	3	2	2
CO5	3	2	3	1	-	-	-	-	-	-	-	2	3	2	2
CO6	2	3	2	1	-	-	-	-	-	-	-	2	2	2	2
Course	2.7	2.1	2.6	1.3	-	-	-	-	-	-	-	2	2.5	2	2


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna DL A.F. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY, TIRUVURU

**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	MATHEMATICAL FOUNDATION OF COMPUTER SCIENCE
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/I
Regulation:	R16
Subject Code:	R1621052
Name of the Faculty:	SK. SAIDA

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand skills in solving mathematical problems	Understand
CO2	Ability to comprehend mathematical principles and logic	Apply
CO3	To demonstrate knowledge of mathematical modeling and proficiency in using mathematical software	Analyse
CO4	Analyze data numerically and/or graphically using appropriate Software	Apply
CO5	To Develop communicate effectively mathematical ideas/results verbally or in Writing	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	2	2	-	-	-	-	-	-	2	2	3	3
CO2	1	1	3	3	1	-	-	-	-	-	-	1	2	2	2
CO3	2	2	3	3	3	-	-	-	-	-	-	3	3	3	3
CO4	3	3	3	2	2	-	-	-	-	-	-	2	2	2	1
CO5	2	1	3	2	2	-	-	-	-	-	-	2	1	3	2
Course	2.5	2	3	2	2	-	-	-	-	-	-	2	2	2.5	3


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dist. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	DIGITAL LOGIC DESIGN
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/I
Regulation:	R16
Subject Code:	R1621053
Name of the Faculty:	SK. KARIMOON

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Define different number systems, binary addition and subtraction, 2's complement representation and operations with this representation.	Understand
CO2	To understand the different switching algebra theorems and apply them for logic functions	Understand
CO3	To Build the Karnaugh map for a few variables and perform an algorithmic reduction of logic functions	Apply
CO4	Analyze the other minimization methods for any number of variables Variable Entered Mapping (VEM) and Quine-McCluskey (QM) Techniques and perform an algorithmic reduction of logic functions.	Analyse

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2	2	2	-	-	-	-	-	-	2	3	2	3
CO2	1	3	3	2	1	-	-	-	-	-	-	1	2	2	2
CO3	2	2	3	1	3	-	-	-	-	-	-	2	1	1	3
CO4	1	3	2	2	2	-	-	-	-	-	-	2	2	2	2
CO5	2	3	3	1	2	-	-	-	-	-	-	1	2	2	2
Course	1.8	2.6	2.6	1.6	2	-	-	-	-	-	-	1.6	2	1.8	2.4


Faculty Signature


Head of Department, C.S.&E.
Sree Vahini Institute of
Science & Technology
Tiruvuru-521 235-Krishna P.

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	PYTHON PROGRAMMING
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/I
Regulation:	R16
Subject Code:	R1621054
Name of the Faculty:	D.JYOTHI

I. COURSE OUTCOMES(COs):

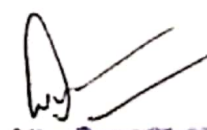
Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand the basics of Python Programming and running python scripts.	Understand
CO 2	Apply the concept of Types, Operators and Expressions in Python Programming	Apply
CO 3	Determine the methods to create and manipulate the python programs by utilizing the data structure like Lists, Slicing, Methods, Tuples, Sets, and Dictionaries.	Determine
CO 4	Define the Functions, Scope of the Variables in a Function, Creating Modules and Initialization of Python packages.	Define
CO 5	Analyze the concept of Object Oriented Programming in Python and handling Errors and Exceptions.	Analyze
CO 6	Understand the Standard Libraries and Prior Introduction to testing software	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	1	-	-	-	-	-	-	-	-	1	2	2
CO2	2	2	2	1	-	-	-	-	-	-	-	-	1	2	2
CO3	3	3	2	2	-	-	-	-	-	-	-	-	2	3	2
CO4	2	2	1	1	-	-	-	-	-	-	-	-	1	2	2
CO5	3	3	2	2	-	-	-	-	-	-	-	-	2	3	2
CO6	2	2	2	2	-	-	-	-	-	-	-	-	2	2	2
Course	2.5	2.5	1.8	1.5	-	-	-	-	-	-	-	-	1.5	2.3	2


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt., A.P., Pin-521 236

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	PYTHON PROGRAMMING LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/I
Regulation:	R16
Subject Code:	R1621058
Name of the Faculty:	D.JYOTHI

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Write, Test and Debug Python Programs.	Understand
CO 2	Implement Conditionals and Loops for Python Programs	Apply
CO 3	Use functions and represent Compound data using Lists, Tuples and Dictionaries	Apply
CO 4	Read and write data from & to files in Python	Define
CO 5	To understand object oriented features of Python and implementing it in Python programming.	Understand
CO 6	Implement GUI applications by using Python Programming.	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	1	-	-	-	-	-	-	-	-	1	2	2
CO2	2	2	2	1	-	-	-	-	-	-	-	-	1	2	2
CO3	3	3	2	2	-	-	-	-	-	-	-	-	2	3	2
CO4	2	2	1	1	-	-	-	-	-	-	-	-	1	2	2
CO5	3	3	2	2	-	-	-	-	-	-	-	-	2	3	2
CO6	2	2	2	2	-	-	-	-	-	-	-	-	2	2	2
Course	2.5	2.5	1.8	1.5	-	-	-	-	-	-	-	-	1.5	2.3	2


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Kancheepuram District, Pin-621 226

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	DATA STRUCTURES THROUGH C++- LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/I
Regulation:	R16
Subject Code:	R1621055
Name of the Faculty:	K. GOPI

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	To develop skills to design and analyze simple linear and nonlinear data structures	Analyze
CO2	To Strengthen the ability to identify and apply the suitable data structure for the given real-world problem	Apply
CO3	Be able to design and analyze the time and space efficiency of the data structure	Analyze
CO4	Be capable to identify the appropriate data structure for given problem	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	-	-	-	-	-	-	-	2	2	2	3
CO2	2	3	2	3	-	-	-	-	-	-	-	3	3	2	3
CO3	2	2	3	3	-	-	-	-	-	-	-	3	3	2	3
CO4	3	2	2	3	-	-	-	-	-	-	-	2	2	2	3
CO5	2	2	3	2	-	-	-	-	-	-	-	2	3	2	3
Course	2.4	2.4	2.6	2.8	-	-	-	-	-	-	-	2.4	2.6	2	3


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	DATA STRUCTURES THROUGH C++
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/I
Regulation:	R16
Subject Code:	R1621053
Name of the Faculty:	K. GOPI

I. COURSE OUTCOMES(CO's):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Distinguish between procedures and object-Oriented programming.	Understand
CO2	Apply advanced data structure strategies for exploring complex data structures.	Apply
CO3	Analyze contrast various data structures and design techniques in the area of Performance.	Analyze
CO4	Apply data structure algorithms through C++. Incorporate data structures into the applications such as binary search trees, AVL and B Trees	Apply
CO5	Understand all data structures like stacks, queues, trees, lists and graphs and compare their Performance and trade offs	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	-	-	-	-	-	-	-	2	2	3	3
CO2	3	3	2	3	-	-	-	-	-	-	-	3	3	3	3
CO3	2	2	3	3	-	-	-	-	-	-	-	3	3	3	3
CO4	3	3	2	3	-	-	-	-	-	-	-	2	2	3	3
CO5	3	3	3	2	-	-	-	-	-	-	-	2	3	3	3
Course	3	2.8	2.5	3	-	-	-	-	-	-	-	2	2.5	3	3

Faculty Signature


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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	PRINCIPLES OF PROGRAMMING LANGUAGES
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/II
Regulation:	R16
Subject Code:	R1622056
Name of the Faculty:	D.MANI MOHAN

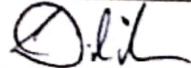
I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Describe syntax and semantics of programming languages	Describe
CO 2	Explain data, data types, and basic statements of programming languages	understand
CO 3	Design and implement subprogram constructs, Apply object - oriented, concurrency, and event handling programming constructs	Determine
CO 4	Develop programs in Scheme, ML, and Prolog	Apply
CO 5	Understand and adopt new programming languages	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	1	2	-	-	-	-	-	-	-	1	2	3
CO2	2	2	2	1	2	-	-	-	-	-	-	-	1	2	2
CO3	3	3	2	2	2	-	-	-	-	-	-	-	2	3	3
CO4	2	2	2	1	2	-	-	-	-	-	-	-	2	2	1
CO5	3	3	2	2	2	-	-	-	-	-	-	-	2	3	3
CO6	2	2	2	2	2	-	-	-	-	-	-	-	2	2	3
Course	2.5	2.5	2	1.5	2	-	-	-	-	-	-	-	1.6	2.3	3


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 015

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	JAVA PROGRAMMING
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/II
Regulation:	R16
Subject Code:	R1622053
Name of the Faculty:	M. MANJUSHA

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand Java programming concepts and utilize Java Graphical User Interface in Program writing.	Understand
CO2	Write, compile, execute and troubleshoot Java programming for networking concepts.	Analyze
CO3	Build Java Application for distributed environment	Analyze
CO4	Design and Develop multi-tier applications.	Apply
CO5	Identify and Analyze Enterprise applications.	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	2	1	-	-	-	-	-	-	3	2	2	3
CO2	3	3	2	3	2	-	-	-	-	-	-	2	3	3	1
CO3	2	2	3	2	3	-	-	-	-	-	-	3	3	2	2
CO4	3	3	1	2	2	-	-	-	-	-	-	3	1	2	2
CO5	3	2	2	2	1	-	-	-	-	-	-	2	2	1	3
Course	3	2.5	3	2.5	2	-	-	-	-	-	-	3	2.5	2	2.5

Faculty Signature


 Head of the Department
 Computer Science & Engineering
 Sree Vahini Institute of Science & Technology
 TIRUVURU, Krishna Dt. A.P., Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY, TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	Management Science
Programme:	B.TECH CSE
Academic Year	2019-2020
Year/Semester:	II/II
Regulation:	R16
Subject Code:	R1642052
Name of the Faculty:	D.Bhaskarao

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Explain the management science approach to identification, analysis, decision, and implementation of problem solving.	Apply
CO 2	Identify, categorize and discuss management problems that can be analyzed by linear programming. Explain the importance of forecasting in organizations.	Apply
CO3	Construct models for a variety of PERT/CPM. Describe the EOQ model and its variations or expansions.	Analyze
CO4	Illustrate the decision tree method of analysis for decision making under risk and under certainty and expected value	Apply
CO 5	Demonstrate the transportation method to solve problems manually and with the northwest corner method .Solve case problems using computer software.	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	-	2	3	-	-	2	2	3
CO2	3	-	2	-	2	3	2	2
CO3	2	-	3	-	2	2	2	3
CO4	3	2	-	-	2	3	2	1
CO5	3	2	-	-	2	3	2	3
CO6	2	2	-	-	2	2	2	3
Course	2.5	2	2.67	-	2	2.5	2	3


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	COMPUTER ORGANIZATION
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/II
Regulation:	R16
Subject Code:	R1622054
Name of the Faculty:	P.SOMARAJU

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Students can understand the architecture of modern computer.	Understand
CO2	Analyze the Performance of a computer using performance equation and different instruction types.	Analyze
CO3	Calculate the effective address of an operand by addressing modes	Apply
CO4	Analyze how computer stores positive and negative numbers	Analyze
CO5	Develop the arithmetic operations of positive and negative numbers	Create

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	-	-	-	-	--	-	-	-		2	2	2
CO2	2	3	2	-	-	-	-	--	-	-	-	2	3	2	2
CO3	-	-	3	-	-	-	-	--	-	-	-	2	2	2	2
CO4	3	2	2	-	-	-	-	--	-	-	-	2	3	2	2
CO5	2	3	-	-	-	-	-	--	-	-	-	2	3	2	2
CO6	2	2	-	-	-	-	-	--	-	-	-	2	2	2	2
Course	2.5	2	2.6	-	-	-	-	--	-	-	-	2	2.5	2	2


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	FORMAL LANGUAGE AND AUTOMATA THEORY
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/II
Regulation:	R16
Subject Code:	R1622055
Name of the Faculty:	SK. SAIDA

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand and Classify machines by their power to recognize languages	Understand
CO2	Apply finite state machines to solve problems in computing	Apply
CO3	Describe deterministic and non-deterministic machines	Analyse
CO4	Execute and implement the hierarchy of problems arising in the computer science	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	2	2	-	-	-	-	-	-	2	2	3	3
CO2	2	3	3	3	1	-	-	-	-	-	-	3	2	2	2
CO3	2	2	3	3	2	-	-	-	-	-	-	3	3	2	3
CO4	3	3	2	2	2	-	-	-	-	-	-	3	2	2	2
CO6	2	3	3	2	1	-	-	-	-	-	-	2	3	2	2
Course	2.5	3	3	2	1.5	-	-	-	-	-	-	2.5	2.5	2	2.5


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	ADVANCED DATA STRUCTURES - LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/II
Regulation:	R16
Subject Code:	R1622055
Name of the Faculty:	K. GOPI

I. COURSE OUTCOMES (COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	To understand heap and various tree structures like AVL, Red-black, B and Segment trees	Understand
CO2	Solve the problems such as line segment intersection, convex shell and Voronoi diagram	Analyze
CO3	To understand the problems such as line segment intersection, convex shell and Voronoi diagram	Understand
CO4	Implement heap and various tree structure like AVL, Red-black, B and Segment trees	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	1	-	-	-	-	-	-	2	2	2	3
CO2	3	1	2	3	2	-	-	-	-	-	-	3	3	3	2
CO3	2	2	1	3	3	-	-	-	-	-	-	3	2	2	3
CO4	2	3	2	3	2	-	-	-	-	-	-	2	3	3	3
Course	2.5	2	2.5	3	2	-	-	-	-	-	-	2	-	2.5	3


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna D.L.A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering**
Course outcome mapping with PO's and PSO's

Course Title:	ADVANCED DATA STRUCTURES
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	II/II
Regulation:	R16
Subject Code:	R1622053
Name of the Faculty:	K. GOPI


I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Be able to understand and apply amortized analysis on data structures, including binary search trees, mergeable heaps, and disjoint sets.	Understand
CO2	Understand the implementation and complexity analysis of fundamental algorithms such as RSA, primality testing, max flow, discrete Fourier transform.	Analyze
CO3	Analyze the space and time complexity of the algorithms studied in the course.	Analyze
CO4	Have an idea of applications of algorithms in a variety of areas, including linear programming and duality, string matching, game-theory	Apply
CO6	Describe the concept behind neural networks for learning non-linear functions	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	1	-	2	1	2	2	2	2	2	3	3
CO2	3	3	3	3	2	-	1	-	2	1	1	3	2	3	3
CO3	2	2	3	3	3	-	2	2	2	2	1	3	2	3	3
CO4	3	3	3	3	2	-	1	1	2	1	2	2	2	3	3
CO6	3	3	3	3	1	-	1	1	2	1	1	2	2	3	3
Course	3	3	3	3	2	-	1	1	2	1	1	2	2	3	3


Faculty Signature

Hod of the Department
Computer Science & Engineering
 Sree Vahini Institute of Science & Technology
 TIRUVURU, Krishna Dist. A.P. - 517 102

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department of Computer Science & Engineering

Programme Outcomes (PO's)

PO	Description
PO1	Engineering Knowledge: Apply knowledge of mathematics and science, with fundamentals of Computer Science & Engineering to be able to solve complex engineering problems related to CSE.
PO2	Problem Analysis: Identify, Formulate, review research literature and analyze complex engineering problems related to CSE and reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
PO3	Design/Development of solutions: Design solutions for complex engineering problems related to CSE and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural societal and environmental considerations.
PO4	Conduct Investigations of Complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data ,and synthesis of the information to provide valid conclusions.
PO5	Modern Tool Usage: Create, Select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to computer science related complex engineering activities with an understanding of the limitations.
PO6	The Engineer and Society: Apply Reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the CSE professional engineering practice.
PO7	Environment and Sustainability: Understand the impact of the CSE professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply Ethical Principles and commit to professional ethics and Responsibilities and norms of the engineering practice.
PO9	Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary Settings.
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large such as able to comprehend and with write effective reports and design documentation, make effective presentations and give and receive clear instructions.
PO11	Project Management and Finance: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi-disciplinary environments.

PO12	Life-Long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning the broadest context of technological change.
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Programme Specific Objectives (PSO's)

PSO	Description
PSO1	The ability to understand, analyze and develop computer programs in the areas related to Algorithms, System Software, Multimedia, Web design, Big Data Analytics, and networking for efficient design of computer-based systems of varying complexity.
PSO2	The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.
PSO3	The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies.

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering**
Course outcome mapping with PO's and PSO's

Course Title:	OBJECT ORIENTED ANALYSIS & DESIGN USING UML
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/I
Regulation:	R16
Subject Code:	R1631053
Name of the Faculty:	D.MANI MOHAN


I. COURSE OUTCOMES (COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Ability to find solutions to the complex problems using object oriented approach	Ability
CO 2	Represent classes, responsibilities and states using UML notation	Understand
CO 3	Identify classes and responsibilities of the problem domain	Identify
CO 4	Identify, analyze the Behavioral Modeling and Advanced Behavioral Modeling concepts of the system.	Identify
CO 5	Applying the techniques for Component and Deployment Diagrams.	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	1	2	-	-	-	-	-	-	-	1	2	2
CO2	2	2	2	1	3	-	-	-	-	-	-	-	1	2	2
CO3	3	3	2	2	2	-	-	-	-	-	-	-	2	3	2
CO4	2	2	2	2	3	-	-	-	-	-	-	-	1	2	2
CO5	3	3	2	2	3	-	-	-	-	-	-	-	2	3	2
Course	2.5	2.5	2	1.5	2.6	-	-	-	-	-	-	-	1.5	2.3	2


Faculty Signature
Head of the Department
Computer Science & Engineering

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering**
Course outcome mapping with PO's and PSO's

Course Title:	OS/LINUX LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/I
Regulation:	R16
Subject Code:	R16
Name of the Faculty:	M.KISHORE KUMAR

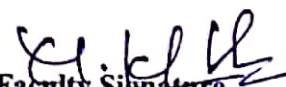

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Identify Unix utilities and perform basic shell control of the utilities	Understand
CO2	Analyze the Unix file system and file access control	Analyse
CO3	Develop to use Linux environment efficiently	Create
CO4	Solve problems using bash for shell scripting	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	2	-	-	-	-	-	3	-	3	3	2
CO2	3	3	3	-	-	-	-	-	-	-	3	-	3	3	2
CO3	3	3	3		3	3	-	-	-	-	3	-	3	3	2
CO4	-	-	-	3	-	-	-	-	-	-	3	-	3	3	2
Course	2	2	2	2	1	1	-	-	-	-	3	-	3	3	2


Faculty Signature
Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering**
Course outcome mapping with PO's and PSO's

Course Title:	OPERATING SYSTEM
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/I
Regulation:	R16
Subject Code:	R1631055
Name of the Faculty:	M.KISHORE KUMAR

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Solve various Scheduling algorithms.	Understand
CO2	Apply the principles of concurrency	Understand
CO3	Define deadlock, prevention and avoidance algorithms	Apply
CO4	Analyze various memory management schemes	Understand
CO5	Design and Implement a prototype file systems.	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	-	-	-	-	-	3	2	2	2	2
CO2	3	3	3	-	-	-	-	-	-	-	3	2	2	2	2
CO3	3	3	2		3	3	-	-	-	-	3	2	2	2	2
CO4	-	-	-	3	-	-	-	-	-	-	3	2	2	2	2
CO5	-	-	-	3	-	-	-	-	-	-	3	2	2	2	2
Course	3	3	2.7	2.7	2.5	3	-	-	-	-	3	2	2	2	2

Faculty Signature

Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	UNIX PROGRAMMING
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/I
Regulation:	R16
Subject Code:	R1631052
Name of the Faculty:	SK. SAIDA

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Defining Documentation will demonstrate good organization and readability.	Understand
CO2	Implement File processing projects will require data organization, problem solving and research	Apply
CO3	Demonstrate Scripts and programs with simple effective user interfaces and effective use of structured programming	Analyse
CO4	Scripts and programs will be accompanied by printed output demonstrating completion of a test plan	Apply
CO5	Analyze testing with both black and glass box testing strategies	Analyse
CO6	Implementing project work will involve group participation	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	-	-	-	-	-	-	3	2	2	3
CO2	2	2	2	3	2	-	-	-	-	-	-	2	3	2	2
CO3	2	2	1	3	3	-	-	-	-	-	-	3	3	3	1
CO4	3	2	2	3	2	-	-	-	-	-	-	2	2	1	2
CO6	2	2	1	2	2	-	-	-	-	-	-	1	2	3	2
Course	3	2.5	2	2.5	2.5	-	-	-	-	-	-	2.5	2.5	2	2.5


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dist. A.P. Pin-521 225

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	COMPILER DESIGN
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/I
Regulation:	R16
Subject Code:	R1631051
Name of the Faculty:	SK. SAIDA


I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Acquire knowledge in different phases and passes of Compiler, and specifying different types of tokens by lexical analyzer, and also able to use the Compiler tools like LEX, YACC, etc.	Understand
CO2	Parser and its types i.e., Top-down and Bottom-up parsers.	Apply
CO3	Construction of LL, SLR, CLR and LALR parse table.	Analyze
CO4	Syntax directed translation, synthesized and inherited attributes.	Apply
CO5	Techniques for code optimization.	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	2	2	-	-	-	-	-	-	2	2	3	3
CO2	1	3	2	3	1	-	-	-	-	-	-	1	2	2	3
CO3	2	2	3	3	3	-	-	-	-	-	-	3	3	3	3
CO4	3	3	2	2	2	-	-	-	-	-	-	2	2	2	3
CO5	2	2	1	2	2	-	-	-	-	-	-	2	1	3	3
Course	2.5	3	2.5	2	2	-	-	-	-	-	-	2	2	2.5	3


Faculty Signature
Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dist. A.P. Pin-527 003

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering**
Course outcome mapping with PO's and PSO's

Course Title:	UNIX PROGRAMMING
Programme:	B.Tech
Academic Year	2020-21
Year/Semester:	III/I
Regulation:	R16
Subject Code:	R1631052
Name of the Faculty:	p.somaraju

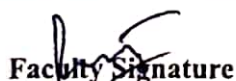

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Defining Documentation will demonstrate good organization and readability.	Remember
CO2	Implement File processing projects will require data organization, problem solving and research	Create
CO3	Demonstrate Scripts and programs with simple effective user interfaces and effective use of structured programming	Apply
CO4	Scripts and programs will be accompanied by printed output demonstrating completion of a test plan	Apply
CO5	Analyze testing with both black and glass box testing strategies	Analyze
CO6	Implementing project work will involve group participation	Create

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3		2	-	-	-	-	-	-		2	2	2
CO2	2	3	2	2	3	-	-	-	-	-	-	2	3	2	2
CO3	-	-	3	3	2	-	-	-	-	-	-	2	2	2	2
CO4	3	2	2	-	-	-	-	-	-	-	-	2	3	2	2
CO5	2	3	-	2	2	-	-	-	-	-	-	2	3	2	2
CO6	2	2	-	3	-	-	-	-	-	-	-	2	2	2	2
Course	2.5	2	2.6	2.4	-	-	-	-	-	-	-	2	2.5	2	2


Faculty Signature
Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	OPERATING SYSEMS AND LINUX PROGRAMMING LAB
Programme:	B.Tech
Academic Year	2020-21
Year/Semester:	III/I
Regulation:	R16
Subject Code:	R1631057
Name of the Faculty:	P.Somaraju

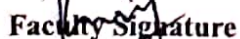
I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand Unix utilities and perform basic shell control of the utilities	Understand
CO2	Analyze the Unix file system and file access control	Analyze
CO3	Ability to use Linux environment efficiently	Apply
CO4	Solve problems using bash for shell scripting	Apply
CO5	Implement algorithms to solve data mining problems using weka tool	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3		2	-	-	-	-	-	-	-	2	2	2
CO2	2	3	2	2	3	-	-	-	-	-	-	2	3	2	2
CO3			3	3	2	-	-	-	-	-	-	2	2	2	2
CO4	3	2	2			-	-	-	-	-	-	2	3	2	2
CO5	2	3		2	2	-	-	-	-	-	-	2	3	2	2
CO6	2	2		3		-	-	-	-	-	-	2	2	2	2
Course	2.5	2	2.6	2.4		-	-	-	-	-	-	2	2.5	2	2


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
Tiruvuru, A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	DATA BASE MANAGEMENT SYSTEMS
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/I
Regulation:	R16
Subject Code:	R1631054
Name of the Faculty:	p.somaraju

I. COURSE OUTCOMES(CO's):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Describe a relational database and object-oriented database	Understand
CO2	Create, maintain and manipulate a relational database using SQL	Create
CO3	Describe ER model and normalization for database design	Understand
CO4	Solve issues in data storage and query processing and can formulate appropriate solutions	Apply
CO5	Understand the role and issues in management of data such as efficiency, privacy, security, ethical responsibility, and strategic advantage	Understand
CO6	Design and build database system for a given real world problem	Create

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	-	2	-	-	-	-	-	-	-	2	2	2
CO2	2	3	2	-	2	-	-	-	-	-	-	2	3	2	2
CO3	-	-	3	-	2	-	-	-	-	-	-	2	2	2	2
CO4	3	2	2	-	3	-	-	-	-	-	-	2	3	2	2
CO5	2	3	-	-	-	-	-	-	-	-	-	2	3	2	2
CO6	2	2	-	-	3	-	-	-	-	-	-	2	2	2	2
Course	2.5	2	2.6	-	2.6	-	-	-	-	-	-	2	2.5	2	2

Faculty Signature

Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishnagiri Dist. A.P. Pin-521 238

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's

Course Title:	UNIFIED MODELING LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/II
Regulation:	R16
Subject Code:	R1631056
Name of the Faculty:	D.MANI MOHAN

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand the Case studies and design the Model.	Understand
CO2	Understand how design patterns solve design problems.	Understand
CO3	Develop design solutions using creational patterns.	Apply
CO4	Construct UML diagrams for static view and dynamic view of the system.	Apply
CO5	Createrefined model for given Scenario using structural patterns.	Create

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	1	-	-	-	-	-	-	-	-	1	2	2
CO2	2	2	2	1	-	-	-	-	-	-	-	-	1	2	2
CO3	3	3	2	2	-	-	-	-	-	-	-	-	2	3	2
CO4	2	2	1	1	-	-	-	-	-	-	-	-	1	2	2
CO5	3	2	2	2	-	-	-	-	-	-	-	-	2	3	2
Course	2.6	2.4	1.8	1.4	-	-	-	-	-	-	-	-	1.4	2.4	2


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P., Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	DATA WARE HOUSING AND DATA MINING
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/II
Regulation:	R16
Subject Code:	R1632056
Name of the Faculty:	D.MANU MOHAN

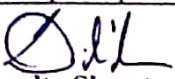
I. COURSE OUTCOMES (COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand stages in building a Data Warehouse	Understand
CO 2	Understand the need and importance of preprocessing techniques	Understand
CO 3	Understand the need and importance of Similarity and dissimilarity techniques	Understand
CO 4	Analyze and evaluate performance of algorithms for Association Rules.	Analyze
CO 5	Analyze Classification and Clustering algorithms	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	1	2	-	-	-	-	--	-	2	1	2	3
CO2	2	2	2	2	3	-	-	-	-	--	-	2	2	2	2
CO3	3	2	2	2	2	-	-	-	-	--	-	2	2	3	3
CO4	2	2	2	2	2	-	-	-	-	--	-	2	1	2	1
CO5	3	3	2	3	2	-	-	-	-	--	-	2	2	3	3
Course	2.6	2.4	2	2	2.2	-	-	-	-	--	-	2	1.6	2.4	3


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

Course Title:	DATA WARE HOUSING AND DATA MINING LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/II
Regulation:	R16
Subject Code:	R1632058
Name of the Faculty:	D.MANI MOHAN

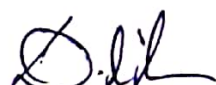
I.COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Create data-set in .arff file format. Demonstration of preprocessing on WEKA data-set.	Understand
CO2	Demonstration of Association rule process on data-set contact lenses.arff /test.arff using apriori algorithm.	Understand
CO3	Demonstration of classification rule process on WEKA data-set using j48 algorithm.	Apply
CO4	Demonstration of classification rule process on WEKA data-set using Naive Bayes algorithm.	Apply
CO5	Demonstration of clustering rule process on data-set iris.arff using simple k-means.	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	1	-	-	-	-	--	-	-	-	1	2	3
CO2	2	2	2	1	-	-	-	-	--	-	-	-	1	2	2
CO3	3	3	2	2	-	-	-	-	--	-	-	-	2	3	3
CO4	2	2	1	1	-	-	-	-	--	-	-	-	1	2	1
CO5	3	2	2	2	-	-	-	-	--	-	-	-	2	3	3
Course	2.6	2.4	1.8	1.4	-	-	-	-	--	-	-	-	1.4	2.4	3



Faculty Signature



Head of the Department

Computer Science & Engineering

Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna D.C.A.P. Pin-521 225

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering**
Course outcome mapping with PO's and PSO's

Course Title:	COMPUTER NETWORKS
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/II
Regulation:	R16
Subject Code:	R1632051
Name of the Faculty:	CH.RAVINDRA REDDY


I.COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Explain OSI and TCP/IP models	Understand
CO2	Define MAC layer protocols and LAN technologies	Remember
CO3	Show applications using internet protocols	Apply
CO4	Classify routing and congestion control algorithms	Analyze
CO5	Examine how internet works	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	2	3	-	-	-	-	-	-	-	-	-	2	2	2
CO2	3	-	2	-	-	-	-	-	-	-	-	2	3	2	2
CO3	2	-	3	-	-	-	-	-	-	-	-	2	2	2	2
CO4	3	2	-	-	-	-	-	-	-	-	-	2	3	2	2
CO5	3	2	-	-	-	-	-	-	-	-	-	2	3	2	2
Course	2.2	1.2	1.6	-	-	-	-	-	-	-	-	1.6	2.6	2	2


Faculty Signature
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Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dist. A.P., Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering****Course outcome mapping with PO's and PSO's**

Course Title:	NETWORK PROGRAMMING LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/II
Regulation:	R16
Subject Code:	R1632056
Name of the Faculty:	CH.RAVINDRA REDDY

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand and explain the basic concepts of Grid Computing	Understand
CO2	Explain the advantages of using Grid Computing within a given environment	Understand
CO3	Describe for any upcoming Grid deployments and be able to get started with a potentially available Grid setup	Remember
CO4	Examine some of the enabling technologies e.g. high-speed links and storage area networks	Apply
CO5	Build computer grids	Create

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1		2	3	-	-	-	-	-	-	-	-	2	2	2	3
CO2	3	2	2	-	-	-	-	-	-	-	-	2	3	2	2
CO3	2	2	3	-	-	-	-	-	-	-	-	2	3	2	3
CO4	3	2	3	-	-	-	-	-	-	-	-	2	3	2	1
CO5	3	2		-	-	-	-	-	-	-	-	2	3	2	3
Course	2.2	2	2.2	-	-	-	-	-	-	-	-	2	2.8	2	3


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	CYBER SECURITY
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/II
Regulation:	R16
Subject Code:	R1632055
Name of the Faculty:	M.KISHORE KUMAR

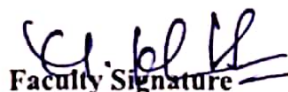

I.COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Explain Cyber Security architecture principles	Understand
CO2	Summarize Identifying System and application security threats and vulnerabilities	Understand
CO3	Apply different classes of attacks	Apply
CO4	Describing risk management processes and practices	Understand
CO5	Outline decision making outcomes of Cyber Security scenarios	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	-	-	2	3	3	3	2	3	-	2	-	3	3
CO2	-	2	1	2	3	3	2	3	2	-	-	2	2	2	2
CO3	2	-	-	2	2	2	2	2	-	-	-	2	2	3	3
CO4	2	1	1	2	2	3	3	2	3	3	-	3	2	1	1
CO5	-	2	2	2	2	3	3	3	2	2	-	3	-	3	3
Course	1	1	1	2	2	3	3	3	2	2	-	2	2	3	2.4


Faculty Signature
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Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P., Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	SOTWARE TESTING METHODOLOGIES
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/II
Regulation:	R16
Subject Code:	R1632054
Name of the Faculty:	P. VEERASWAMY


I.COURSE OUTCOMES(COs):

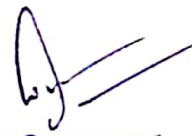
Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand the basic testing procedures.	Understand
CO2	Able to support in generating test cases and test suites.	Analyze
CO3	Able to test the applications manually by applying different testing methods and automation tools.	Analyze
CO4	Apply tools to resolve the problems in Real time environment.	Apply
CO5	Describe the principles and procedures for designing test cases.	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2	1	-	-	-	-	-	-	2	2	3	3
CO2	2	3	3	3	2	-	-	-	-	-	-	1	2	1	2
CO3	2	2	3	2	3	-	-	-	-	-	-	2	1	2	3
CO4	2	2	2	2	2	-	-	-	-	-	-	3	2	3	1
CO5	3	2	3	2	1	-	-	-	-	-	-	2	3	2	3
Course	2.5	2.5	3	2	2	-	-	-	-	-	-	2	2.5	2.5	3


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering**
Course outcome mapping with PO's and PSO's

Course Title:	SOFTWARE TESTING - LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/II
Regulation:	R16
Subject Code:	R1632057
Name of the Faculty:	P. VEERASWAMY

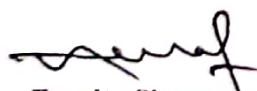

I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Find practical solutions to the problems	Understand
CO2	Solve specific problems alone or in teams	Analyze
CO3	Manage a project from beginning to end	Analyze
CO4	Work independently as well as in teams	Apply
CO5	Define, formulate and analyze a problem	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2	1	2	-	-	-	-	-	2	2	3	3
CO2	2	3	3	3	2	3	-	-	-	-	-	1	2	1	2
CO3	2	2	3	2	3	3	-	-	-	-	-	2	1	2	3
CO4	2	2	2	2	2	2	-	-	-	-	-	3	2	3	1
CO5	3	2	3	2	1	2	-	-	-	-	-	2	3	2	3
Course	2.5	2.5	3	2	2	2.5	-	-	-	-	-	2	2.5	2.5	3


Faculty Signature
Head of the Department
Computer Science & Engineering
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TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	DESIGN AND ANALYSIS OF ALGORITHMS
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	III/II
Regulation:	R16
Subject Code:	R1632053
Name of the Faculty:	SK.SAIDA


I.COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Predict the correctness of algorithms using inductive proofs and invariants.	Apply
CO2	Analyze worst-case running times of algorithms using asymptotic analysis	Analyze
CO3	Design the divide-and-conquer paradigm and explain when an algorithmic design situation calls for it. Recite algorithms that employ this paradigm. Synthesize divide-and conquer algorithms. Derive and solve recurrences describing the performance of divide and-conquer algorithms	Create
CO4	Demonstrate the dynamic-programming paradigm and explain when an algorithmic design situation calls for it. Recite algorithms that employ this paradigm. Synthesize dynamic programming algorithms, and analyze them	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	3	2	-	-	-	-	--	-	-	-	2	-	3
CO2	3	2	3	2	-	-	-	-	--	-	-	-	2	-	2
CO3	2	3	3	3	-	-	-	-	--	-	-	-	2	2	3
CO4	2	3	3	3	-	-	-	-	--	-	-	-	2	2	1
Course	2.2	2.5	3	2.5	-	-	-	-	--	-	-	=	2	1	3


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Computer Science & Engineering
Sree Vahini Institute of Science & Technology
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department of Computer Science & Engineering

Programme Outcomes (PO's)

PO	Description
PO1	Engineering Knowledge: Apply knowledge of mathematics and science, with fundamentals of Computer Science & Engineering to be able to solve complex engineering problems related to CSE.
PO2	Problem Analysis: Identify, Formulate, review research literature and analyze complex engineering problems related to CSE and reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
PO3	Design/Development of solutions: Design solutions for complex engineering problems related to CSE and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural societal and environmental considerations.
PO4	Conduct Investigations of Complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Modern Tool Usage: Create, Select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to computer science related complex engineering activities with an understanding of the limitations.
PO6	The Engineer and Society: Apply Reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the CSE professional engineering practice.
PO7	Environment and Sustainability: Understand the impact of the CSE professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply Ethical Principles and commit to professional ethics and Responsibilities and norms of the engineering practice.
PO9	Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary Settings.
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large such as able to comprehend and with write effective reports and design documentation, make effective presentations and give and receive clear instructions.
PO11	Project Management and Finance: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi-disciplinary environments.

PO12	Life-Long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning the broadest context of technological change.
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Programme Specific Objectives (PSO's)

PSO	Description
PSO1	The ability to understand, analyze and develop computer programs in the areas related to Algorithms, System Software, Multimedia, Web design, Big Data Analytics, and networking for efficient design of computer-based systems of varying complexity.
PSO2	The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.
PSO3	The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies.

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering**
Course outcome mapping with PO's and PSO's

Course Title:	SYSTEM ARCHITECTURE & DESIGN PATTERN
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	IV/I
Regulation:	R16
Subject Code:	R1641052
Name of the Faculty:	CH.RAVINDRA REDDY


III. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Define the design patterns that are common in software applications.	Remember
CO2	Ability to interpret common design patterns to incremental or iterative development	Understand
CO3	Apply the core solutions to object- oriented design problems	Apply
CO4	Ability to analyze appropriate patterns for design of given problem	Analyze
CO5	Design knowledge of the principles of object- oriented design problems in real world	Create

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	-	-	-	-	-	-	-	-	-	-	-	2	2
CO2	2	2	3	-	2	-	-	-	-	-	-	-	2	2	2
CO3	2	2	3	2	2	-	-	-	-	-	-	-	2	2	2
CO4	2	2	3	2	2	-	-	-	-	-	-	-	2	2	2
CO5	2	2	3	2	-	-	-	-	-	-	-	-	2	2	2
Course	2	2	2.4	2	2	-	-	-	-	-	-	-	2	2	2


Faculty Signature
Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering****Course outcome mapping with PO's and PSO's**

Course Title:	SYSTEM ARCHITECTURE & DESIGN PATTERN LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	IV/I
Regulation:	R16
Subject Code:	R1641058
Name of the Faculty:	CH.RAVINDRA REDDY

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Analyze the concept of the case study	Analyze
CO2	Designing various models of the project	Create
CO3	Build various patterns	Create
CO4	Outline the case study	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	2	-	-	-	-	-	-	-	2	-	2	2	2
CO2	2	2	2	-	-	-	-	-	-	-	2	-	2	2	2
CO3	2	3	2	-	-	-	-	-	-	-	2	-	2	2	2
CO4	2	2	2	-	-	-	-	-	-	-	2	-	2	2	2
Course	2	2.5	2	-	-	-	-	-	-	-	2	-	2	2	2


Faculty Signature


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Computer Science & Engineering
Sree Vahini Institute of Science & Technology
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	MOBILE COMPUTING
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	IV/I
Regulation:	R16
Subject Code:	R1641052
Name of the Faculty:	M.MANJUSHA

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand and develop new mobile application.	Understand
CO2	Illustrate to take any new technical issue related to this new paradigm and come up with a solutions	Apply
CO3	Design new ad hoc network applications and/or algorithms/protocols	Create
CO4	Formulate to understand & develop any existing or new protocol related to mobile environment	Create

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	2	2	-	-	-	-	-	-	-	2	1	2	2
CO2	-	2	2	-	-	-	-	-	-	-	-	2	1	2	2
CO3	2	2	2	2	2	-	-	-	-	-	-	2	1	2	2
CO4	2	2	2	2	2	-	-	-	-	-	-	2	1	2	2
Course	2	2	2	2	2	-	-	-	-	-	-	2	1	2	2


Faculty Signature


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Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna D.A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	CRYPTOGRAPHY AND NETWORK SECURITY
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	IV/I
Regulation:	R16
Subject Code:	R1641053
Name of the Faculty:	M.KISHORE KUMAR


I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand the familiarity with information security awareness and a clear understanding of its importance.	Understand
CO2	Calculating master fundamentals of secret and public cryptography	Apply
CO3	Describe master protocols for security services	Understand
CO4	Define network security threats and countermeasures	Remember
CO5	Demonstrate network security designs using available secure solutions (such As PGP, SSL, IPSec)	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	-	-	2	-	-	-	-	-	-	2	2	2	2
CO2	3	3	2	2	-	-	-	-	-	-	-	2	2	2	2
CO3	-	-	-	2	3	-	-	-	-	-	-	2	2	2	2
CO4	-	-	-	2	3	-	-	-	-	-	-	2	2	2	2
CO6	-	2	2	2	2	-	-	-	-	-	-	2	2	2	2
Course	1	1	1	2	2	-	-	-	-	-	-	2	2	2	2


Faculty Signature
Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna District - Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	Managerial Economics and Financial Accounting
Programme:	B.TECH CSE
Academic Year	2019-2020
Year/Semester:	IV/I
Regulation:	R16
Subject Code:	
Name of the Faculty:	Mr.D.BHASKARA RAO

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	To identify the objectives, nature, scope, role & responsibilities of a manager of a business undertaking..	Apply
CO 2	. To apply the knowledge of demand, demand elasticity & demand forecasting by using statistical techniques for any hypothetical enterprise.	Apply
CO 3	To explain production function relation, law of variable proportion, returns of scale, producer equilibrium, economies of scale. To explain the relevance of cost behaviour analysis & costs those are useful for managerial decision making and Break Even Point (BEP) of an enterprise.	Analyze
CO 4	To know the objectives behind financial, economic, taxation, industrial & licensing policies of GOI in the way of liberalization, privatization & globalization concepts.	Understand
CO 5	To know the meaning, importance, steps, methods, uses & limitations of Capital Budgeting Analysis and rank various projects under Pay Back, ARR, NPV, PI & IRR methods	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	-	2	3	-	-	2	2	2
CO2	3	-	2	-	2	3	2	2
CO3	2	-	3	-	2	2	2	2
CO4	3	2	-	-	2	3	2	2
CO5	3	2	-	-	2	3	2	2
CO6	2	2	-	-	2	2	2	2
Course	2.5	2	2.67	-	2	2.5	2	2


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU Krishna Dt. A.P., Pin-621 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering**
Course outcome mapping with PO's and PSO's

Course Title:	SCRIPTING LANGUAGE
Programme:	B. Tech
Academic Year	2019-20
Year/Semester:	IV/I
Regulation:	R16
Subject Code:	R1641055
Name of the Faculty:	Prof K.V. PANDURANGA RAO

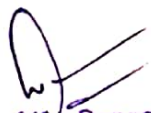
IV. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand the theory behind scripting and its relationship to classic programming.	Understand
CO2	Ability to survey many of the modern and way cool language features that show up frequently in scripting languages	Understand
CO3	To implement some fluency programming in Ruby, JavaScript, Perl, Python, and related languages	Apply
CO4	To design and implement one's own scripting language	Analyse

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	-	-	-	-	-	-	2	3	3	2
CO2	2	2	3	3	2	-	-	-	-	-	-	3	2	2	2
CO3	3	2	3	2	3	-	-	-	-	-	-	2	2	3	1
CO4	2	3	2	2	2	-	-	-	-	-	-	1	3	2	2
CO6	3	2	3	1	3	-	-	-	-	-	-	3	3	3	3
Course	3	3	3	2.5	3	-	-	-	-	=	-	2.5	3	3	2.5


Faculty Signature

Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

Course Title:	WEB TECHNOLOGIES
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	IV/I
Regulation:	R16
Subject Code:	R1641053
Name of the Faculty:	B.RAJU


I. COURSE OUTCOMES(COs):

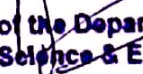
Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Analyze a web page and identify its elements and attributes.	Understand
CO2	Create web pages using XHTML and Cascading Styles sheets.	Analyze
CO3	Build dynamic web pages.	Analyze
CO4	Build web applications using PHP.	Apply
CO5	Programming through PERL and Ruby	Understand
CO6	Write simple client-side scripts using AJAX	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	-	-	-	-	-	1	3	1	3	2
CO2	2	2	3	2	3	-	-	-	-	-	1	3	2	3	2
CO3	2	2	2	3	2	-	-	-	-	-	2	2	1	2	3
CO4	2	1	3	1	2	-	-	-	-	-	2	3	3	3	3
CO5	1	2	2	2	3	-	-	-	-	-	2	2	2	3	3
CO6	1	3	3	2	2	-	-	-	-	-	1	2	2	2	2
Course	2	2.5	3	2.5	2.5	-	-	-	-	-	2	2.5	2.5	3	3


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P., Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering**
Course outcome mapping with PO's and PSO's

Course Title:	WEB TECHNOLOGIES LAB
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	IV/I
Regulation:	R16
Subject Code:	R1641057
Name of the Faculty:	B.RAJU


I. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Students will be able to develop static web sites using XHTML and Java Scripts.	Understand
CO2	To implement XML and XSLT for web applications.	Analyze
CO3	Build Dynamic web content using Java Servlets and JSP.	Apply
CO4	To develop JDBC connections and implement a complete Dynamic web application.	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	-	-	-	-	-	-	3	2	3	3
CO2	2	2	2	1	3	-	-	-	-	-	-	2	2	3	2
CO3	2	2	2	1	2	-	-	-	-	-	-	2	1	2	2
CO4	2	2	2	1	2	-	-	-	-	-	-	2	2	2	2
Course	2.5	2	2.5	1.5	2.5	-	-	-	-	-	-	2.5	2	2.5	2.5


Faculty Signature
Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna District, Andhra Pradesh - 535 005

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	OPERATIONS RESEARCH
Programme:	B.Tech
Academic Year	2019-2020
Year/Semester:	IV/II
Regulation:	R16
Subject Code:	R164205C
Name of the Faculty:	G.Hemalatha

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Able to understand formulation and solving Lpp, decision making problems	Apply
CO 2	Able to understand to minimize transportation cost , job sequence through machines	Apply
CO3	Study replacement and maintenance analysis techniques	Apply
CO4	Derive and calculate queuing model and solving theory of games	Evaluate
CO 5	Able to solve deterministic inventory models with price brakes	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	-	2	2	2	-	-	-	2	3	3
CO2	2	-	2	3	-	3		-	-	-	-	-	3	2	2
CO3	2	2		-	-	3	3	-	-	-	-	-	2	2	3
CO4	2	-	2	-	-	2	3	-	-	-	-	-	3	2	1
CO5	-	-	-	-	-	2			3	3	-	-	3	2	3
Course	2.5	2	2	3	-	2.5	2.6	2	2.5	3	-	-	2	3	3


Faculty Signature


Head of the Dept. (H. Sen.)
Sree Vahini Institute of
Science & Technology
ru-521 835-Krishna N

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU

Department of Computer Science and Engineering Course outcome mapping with PO's and PSO's

Course Title:	MACHINE LEARNING
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	IV/II
Regulation:	R16
Subject Code:	R1642053
Name of the Faculty:	M.KISHORE KUMAR

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Explain the characteristics of machine learning that make it useful to real-world, Problems.	Understand
CO2	Categorize machine learning algorithms as supervised, semi-supervised, and Unsupervised.	Analyze
CO3	Analyze a few machine learning toolboxes.	Analyze
CO4	Use support vector machines and regularized regression algorithms	Apply
CO6	Describe the concept behind neural networks for learning non-linear functions	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	1	-	-	-	-	-	-	2	-	3	3
CO2	3	3	3	3	2	-	-	-	-	-	-	2	-	3	3
CO3	2	2	3	3	3	-	-	-	-	-	-	2	-	3	3
CO4	3	3	3	3	2	-	-	-	-	-	-	2	-	3	3
CO6	3	3	3	3	1	-	-	-	-	-	-	2	-	3	3
Course	2.8	2.8	3	3	1.8	-	-	-	-	-	-	2	-	3	3


Faculty Signature


Head of the Department
Computer Science & Engineering
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department of Computer Science and Engineering
Course outcome mapping with PO's and PSO's**

Course Title:	Distributed Systems
Programme:	B.Tech
Academic Year	2019-20
Year/Semester:	IV/II
Regulation:	R16
Subject Code:	R1642051
Name of the Faculty:	P.Veera Swamy

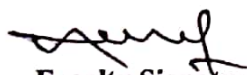
I.COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand a familiarity with distributed file systems.	Understand
CO 2	Describe important characteristics of distributed systems and the salient architectural features of such systems.	Analyze
CO3	Analyze the features and applications of important standard protocols which are used in distributed systems	Analyze
CO4	Gaining practical experience of inter-process communication in a distributed environment	Analyze
CO 5	Create architectures to enhance distributed Computing infrastructures with various computing principles	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	1	3	1	-	-	-	-	-	-	-	2	-	2	3
CO2	3	3	2	1	-	-	-	-	-	-	-	2	-	2	3
CO3	3	2	3	2	-	-	-	-	-	-	-	2	2	2	2
CO4	2	2	3	2	-	-	-	-	-	-	-	2	3	-	2
CO5	3	2	3	1	-	-	-	-	-	-	-	2	3	2	2
Course	2.7	2.1	2.6	1.3	-	-	-	-	-	-	-	2	1.3	1.3	2


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department Of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

Course Title:	RM & IPR
Programme:	M. Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	M0109
Name of the Faculty:	D.BASKAR RAO

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand skills in solving research problems	Understand
CO2	Ability to comprehend patents rights	Apply
CO3	To demonstrate knowledge of paper demonstration	Analyse
CO4	To demonstrate knowledge of licensing and transferring of technology	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PSO1	PSO2	PSO3
CO1	3	2	2	3	2	3
CO2	1	3	3	2	2	2
CO3	1	1	1	1	1	3
CO4	1	3	2	2	2	2
Course	1.5	2.2	2	2	1.8	2.5


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department Of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

Course Title:	MATHEMATICAL FOUNDATION OF COMPUTER SCIENCE
Programme:	M. Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	M5801
Name of the Faculty:	SK. SAIDA

V. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand skills in solving mathematical problems	Understand
CO2	Ability to comprehend mathematical principles and logic	Apply
CO3	To demonstrate knowledge of mathematical modeling and proficiency in using mathematical software	Analyse
CO4	Analyze data numerically and/or graphically using appropriate Software	Apply
CO5	To Develop communicate effectively mathematical ideas/results verbally or in Writing	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	3
CO2	1	1	3	2	2	2
CO3	2	2	3	3	3	3
CO4	3	3	2	2	2	1
CO6	2	1	3	1	3	2
Course	2.5	2	3	2	2.5	3


Faculty Signature


Head of the Department
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Course Title:	ADVANCED DATA STRUCTURES & ALGORITHMS
Programme:	M. Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	M5802
Name of the Faculty:	K.GOPI

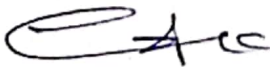
III. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Be able to understand and apply amortized analysis on data structures, including binary search trees, mergeable heaps, and disjoint sets.	Understand
CO2	Understand the implementation and complexity analysis of fundamental algorithms such as RSA, primality testing, max flow, discrete Fourier transform.	Analyze
CO3	Analyze the space and time complexity of the algorithms studied in the course.	Analyze
CO4	Have an idea of applications of algorithms in a variety of areas, including linear programming and duality, string matching, game-theory	Apply
CO6	Describe the concept behind neural networks for learning non-linear functions	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3
CO2	3	3	2	3	3	3
CO3	2	2	3	3	3	3
CO4	3	3	2	2	3	3
CO6	3	3	3	3	3	3
Course	3	3	2.5	2.5	3	3


Faculty Signature


Head of the Department
Computer Science & Engineering
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department Of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

Course Title:	ADVANCED COMPUTER NETWORKS
Programme:	M. Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	M5806
Name of the Faculty:	K.V.PANDURANGA RAO

I. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	□ Explain OSI and TCP/IP models	Understand
CO2	Define MAC layer protocols and LAN technologies	Remember
CO3	Show applications using internet protocols	Apply
CO4	Classify routing and congestion control algorithmS	Analyze

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PSO1	PSO2	PSO3
CO1	3	2	2	3	2	3
CO2	1	3	3	2	2	2
CO3	2	2	3	1	1	3
CO4	1	3	2	2	2	2
Course	1.8	2.5	2.5	2	1.8	2.5


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU
Department Of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

Course Title:	ADVANCED OPERATING SYSTEMS
Programme:	M. Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	M5805
Name of the Faculty:	M.KISHORE KUMAR

IV. COURSE OUTCOMES(COs):

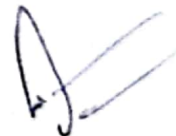
Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Solve various Scheduling algorithms.	Understand
CO2	Apply the principles of concurrency & Agreement protocols	Understand
CO3	Define Failure Recovery and Fault tolerance	Apply
CO4	Analyze various memory management schemes	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PSO1	PSO2	PSO3
CO1	2	3	2	2	1	2
CO2	2	1	3	2	2	2
CO3	1	2	2	2	3	1
CO4	2	2	3	3	2	2
Course	1.8	2	2.5	2.2	2	1.8


Faculty Signature


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TIRUVURU, Krishna Dt. A.P. Pin-521 235

Course outcome mapping with PO's and PSO's

Course Title:	MACHINE LEARNING
Programme:	M.Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	N5801
Name of the Faculty:	M.KISHORE KUMAR

IX. COURSE OUTCOMES(COs):

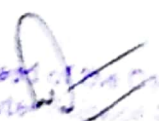
Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Explain the characteristics of machine learning that make it useful to real-world, Problems.	Understand
CO2	Categorize machine learning algorithms as supervised, semi-supervised, and Unsupervised.	Analyze
CO3	Analyze a few machine learning toolboxes.	Analyze
CO4	Use support vector machines and regularized regression algorithms	Apply
CO6	Describe the concept behind neural networks for learning non-linear functions	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3
CO2	3	3	3	3	3	3
CO3	2	2	3	2	3	3
CO4	3	3	3	3	3	3
CO6	3	3	3	3	3	3
Course	2.8	2.8	3	2.5	3	3


Faculty Signature


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TIRUVURU, Krishna Dist. A.P., Pin-521 236

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department Of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU**Department Of Computer Science Engineering****Course outcome mapping with PO's and PSO's**

Course Title:	CLOUD COMPUTING
Programme:	M.Tech
Academic Year	2019-2020
Year/Semester:	I/II
Regulation:	R19
Subject Code:	N5806
Name of the Faculty:	M.MANJUSHA



VII. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Able to understand formulation and solving Lpp, decision making problems	Apply
CO 2	Able to understand to minimize transportation cost , job sequence through machines	Apply
CO3	Study replacement and maintenance analysis techniques	Apply
CO4	Derive and calculate queuing model and solving theory of games	Evaluate
CO 5	Able to solve deterministic inventory models with price brakes	Apply

II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PSO1	PSO2	PSO3
CO1	3	-		2	3	2
CO2	2	-	2	3	2	3
CO3	2	2		2	2	2
CO4	2	-	2	3	2	3
CO5	-	-	-	3	2	3
Course	2.25	2	2	2	3	2.5


Faculty Signature
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department Of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

Course Title:	MACHINE LEARNING WITH PYTHON LAB
Programme:	M.Tech
Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	N5809
Name of the Faculty:	M.KISHORE KUMAR

VIII. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Explain the characteristics of machine learning that make it useful to real-world, Problems.	Understand
CO2	Categorize machine learning algorithms as supervised, semi-supervised, and Unsupervised.	Analyze
CO3	Analyze a few machine learning toolboxes.	Analyze
CO4	Use support vector machines and regularized regression algorithms	Apply
CO6	Describe the concept behind neural networks for learning non-linear functions	Understand

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3
CO2	3	3	3	3	3	3
CO3	2	2	3	2	3	3
CO4	3	3	3	3	3	3
CO6	3	3	3	3	3	3
Course	2.8	2.8	3	2.5	3	3


Faculty Signature


Head of the Department
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SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department Of Computer Science and Engineering

Course Title:	MEAN STACK TECHNOLOGIES LAB
Programme:	M.Tech
Academic Year:	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	N5810
Name of the Faculty:	B.SIVA KANAKA RAJU

X. COURSE OUTCOMES(COs):

Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Translate user requirements into the overall architecture and implementation of new systems and Manage Project and coordinate with the Client.	Understand
CO 2	Writing optimized front end code HTML and JavaScript	Analyze
CO3	Monitor the performance of web applications & infrastructure and Troubleshooting web application with a fast and accurate a resolution	Analyze
CO4	Design and implementation of Robust and Scalable Front End Applications	Analyze

II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PSO 1	PSO 2	PSO 3
CO1	3	1	3	-	2	3
CO2	3	3	2	-	2	3
CO3	3	2	3	2	2	2
CO4	3	2	3	3	-	2
Course	3	2	2.8	1.1	1.5	2.5


Faculty Signature

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Sree Vahini Institute of Engineering
Science & Technology
Tiruvuru - 521 235
Sree Vahini Institute of Engineering
Science & Technology
Tiruvuru - 521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department Of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

Course Title:	MEAN STACK TECHNOLOGIES
Programme:	M.Tech

Academic Year	2019-20
Year/Semester:	I/II
Regulation:	R19
Subject Code:	N5802
Name of the Faculty:	B.SIVA KANAKA RAJU

XI. COURSE OUTCOMES(COs):

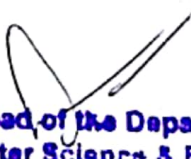
Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Translate user requirements into the overall architecture and implementation of new systems and Manage Project and coordinate with the Client.	Understand
CO 2	Writing optimized front end code HTML and JavaScript	Analyze
CO3	Monitor the performance of web applications & infrastructure and Troubleshooting web application with a fast and accurate a resolution	Analyze
CO4	Design and implementation of Robust and Scalable Front End Applications	Analyze

II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PSO 1	PSO 2	PSO 3
CO1	3	1	3	-	2	3
CO2	3	3	2	-	2	3
CO3	3	2	3	2	2	2
CO4	3	2	3	3	-	2
Course	3	2	2.8	1.1	1.5	2.5


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU Krishna Dist. & Pin-521 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department Of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

Course Title:	MINI PROJECT WITH SEMINAR
Programme:	M.Tech

SREE VAHINI INSTITUTE OF SCIENCE AND TECHNOLOGY : TIRUVURU**Department Of Management of Business Administration****Course outcome mapping with PO's and PSO's**

Course Title:	ADVANCED DATABASES & MINING
Programme:	M.TECH
Academic Year	2019-2020
Year/Semester:	I/II
Regulation:	R19
Subject Code:	N5803
Name of the Faculty:	D.MANI MOHAN

VI. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand stages in building a Data Warehouse	Understand
CO 2	Understand the need and importance of preprocessing techniques	Understand
CO 3	Understand the need and importance of Similarity and dissimilarity techniques	Understand
CO 4	Analyze and evaluate performance of algorithms for Association Rules.	Analyze
CO 5	Analyze Classification and Clustering algorithms	Analyze

II. CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PSO1	PSO2	PSO3
CO1	-	2	3	2	2	2
CO2	3	-	2	3	2	3
CO3	2	-	3	2	2	2
CO4	3	2	-	3	2	3
CO5	3	2	-	3	2	3
Course	2.5	2	2.67	2.5	2	2.5


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin-521 236

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY :: TIRUVURU

Department Of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

Course Title:	ADVANCED DATA STRUCTURES & ALGORITHMS LAB
Programme:	M.Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	M5809
Name of the Faculty:	K. GOPI


II. COURSE OUTCOMES(COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	To understand heap and various tree structures like AVL, Red-black, B and Segment trees	Understand
CO2	Solve the problems such as line segment intersection, convex shell and Voronoi diagram	Analyze
CO3	To understand the problems such as line segment intersection, convex shell and Voronoi diagram	Understand
CO4	Implement heap and various tree structure like AVL, Red-black, B and Segment trees	Apply

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PSO1	PSO2	PSO3
CO1	3	3	3	2	1	3
CO2	2	3	2	3	2	3
CO3	2	2	3	3	3	3
CO4	3	2	2	2	2	3
CO6	2	2	3	3	2	3
Course	2	2	2.5	2.5	1.5	3


Faculty Signature


Head of the Department
Computer Science & Engineering
Sree Vahini Institute of Science & Technology
TIRUVURU, Krishna Dt. A.P. Pin - 517 235

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY::TIRUVURU
Department Of Computer Science and Engineering

Course outcome mapping with PO's and PSO's

Course Title:	ADVANCED COMPUTING LAB
Programme:	M.Tech
Academic Year	2019-20
Year/Semester:	I/I
Regulation:	R19
Subject Code:	M5810
Name of the Faculty:	K.V.PANDU RANGA RAO


I. COURSE OUTCOMES (COs):


Upon completion of the course, students will be able to:

S.No.	Course Outcomes	Blooms Taxonomy level
CO1	Understand and explain the basic concepts of Grid Computing	Understand
CO2	Explain the advantages of using Grid Computing within a given environment	Understand
CO3	Describe for any upcoming Grid deployments and be able to get started with a potentially available Grid setup	Remember
CO4	Examine some of the enabling technologies e.g. high-speed links and storage area networks	Apply
CO5	Build computer grids	Create

II. CO-PO/PSO MATRIX:

	PO1	PO2	PO3	PSO1	PSO2	PSO3
CO1	3	3	2	1	2	1
CO2	2	2	2	1	2	2
CO3	3	3	2	2	3	3
CO4	2	2	1	1	2	2
CO5	3	3	2	2	3	2
Course	2.5	2.5	1.8	1.5	2.3	1.5


Faculty Signature


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