Channabasaveshwara Institute of Technology

(Affiliated to VTU, Belgaum & Approved by AICTE, New Delhi)
(NAAC Accredited &ISO 9001:2015 Certified Institution)
NH 206 (B.H. Road), Gubbi, Tumkur – 572 216. Karnataka

Department of Mathematics

CO-PO-PSO Mapping

Course Title	**Advanced Calculus and Numerical Methods**
Course code	**18MAT21**
Semester	**02**

	Course Outcomes
CO1	Learn the notions of vector calculus
CO2	List methods of solving 2nd order ODEs from spring and L-C-R circuits
CO3	Formulate physical problems in terms of PDEs and solve a few specific ones.
CO4	Demonstrate the use of power series methods in practical engineering problems.
CO5	List methods of numerical methods to solve transcendental equations

CO-PO-PSO Mapping (1-Low, 2-Moderate, 3- High)

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

Faculty Name & Signature

HOD
H. O. D.,
Dept. of Mathematics,
C.I.T., GUBBI-572 216.

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Name of the Faculties : Dr.Umesh, Venkatesh, Vinay K, Pratap S R , Jyothi T P

Department : Chemistry

Sub Name/code: Engineering Chemistry/18CHE22 **Sem : II** **AY: 2018-19**

1. COURSE OUTCOMES, PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

SEM:II	Sub Name: Engineering Chemistry
18CHE22.1	Understand the concept of free energy, electrochemical & concentration cells, classical & modern batteries & fuel cells.
18CHE22.2	Apply electroplating &electroless plating processes in corrosion engineering models and its fabrication.
18CHE22.3	Utilization, production and consumption of solar energy and its application in different useable forms.Understand the concept of classical & modern batteries & fuel cells.
18CHE22.4	Understand the Knowledgeof environmental pollution and different techniques of water purification.
18CHE22.5	Understand the Fundamental principles and Application of nanomaterials and different techniques of instrumental methods.

SEM:II	Sub Name: Engineering Chemistry											
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
18CHE22.1	2	3	1	-	-	-	-	-	-	-	-	-
18CHE22.2	2	3	-	-	-	-	-	-	-	-	-	-
18CHE22.3	2	-	2	-	1	-	1	-	-	-	-	-
18CHE22.4	2	3	3	2	-	1	1	-	-	-	-	-
18CHE22.5	2	2	2	1	-	-	1	-	-	-	-	-

K.L — M
Faculty

K.L — M
HOD

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Department of Computer Science and Engineering

CO-PO-PSO MAPPING

COURSE TITLE:	C PROGRAMMING FOR PROBLEM SOLVING
COURSE CODE:	18CPS23
SEMESTER:	II

Course Outcomes	
CO1:	Describe the basicsof computer and understand problem solving aspect.
CO2:	Develops the ability to analyze a problem and develop algorithm to solve it.
CO3:	Illustrates the concept of variable, data type, operators and also demonstrates other c concepts.
CO4:	Design of efficient c program using branching and looping.
CO5:	Design an application using the concepts of arrays pointers and structure to solve real world problems.
CO6:	Apply the concept of user defined function and recursion to support reusability

CO-PO-PSO MAPPING (1-Low, 2-Moderate, 3-High)

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

Priya Esther. W
Faculty Name & Signature

HOD

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Department of Electronics and Communication Engineering

CO-PO-PSO MAPPING

COURSE TITLE:	BASIC ELECTRONICS
COURSE CODE:	18ELN24
SEMESTER:	2

Course Outcomes	
CO1:	**Describe the** operation of diodes, BJT, FET and Operational amplifiers
CO2:	Design and explain the construction of rectifiers, regulators, amplifiers and oscillators.
CO3:	Describe general operating principles of SCRs and its application
CO4:	Explain the working and design of fixed voltage IC regulators using 7805 and astable oscillator using Timer IC 555
CO5:	Explain the different number system and their conversions and construct simple combinational and sequential logic circuits using Flip- flops
CO6:	**Describe the** basic principle of operation of communication system and mobile phones

CO-PO-PSO MAPPING (1-Low, 2-Moderate, 3-High)

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

Faculty Name & Signature

HOD

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Department of Mechanical Engineering

CO-PO-PSO MAPPING

COURSE TITLE:	ENGINEERING GRAPHICS
COURSE CODE:	18EGDL15/25
SEMESTER:	1/2

Course Outcomes	
CO1:	Prepare engineering drawings as per BIS conventions mentioned in the relevant codes.
CO2:	Produce computer generated drawings using CAD software.
CO3:	Use the knowledge of orthographic projections to represent engineering information / concepts and present the same in the form of drawings.
CO4:	Develop isometric drawings of simple objects reading the orthographic projections of those objects.
CO5:	Convert pictorial and isometric views of simple objects to orthographic views.
CO6:	

CO-PO-PSO MAPPING (1-Low, 2-Moderate, 3-High)

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

Faculty Name & Signature
(Natesh C P)

HOD
H. O. D
Dept. of Mechanical Engg.
C.I.T. Gubbi.

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Name of the Faculties : Dr.Umesh, Venkatesh, Vinay K, Pratap S R, Jyothi T P

Department : Chemistry

Sub Name/code: Engineering Chemistry Lab/18 CHEL16 **Sem : I** **AY: 2018-19**

1. COURSE OUTCOMES, PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

SEM:I	Sub Name: Engineering Chemistry Lab
18CHEL16.1	Knowledge in handling different instruments for quantitative analysis of elements and materials.
18CHEL16.2	Performing different types of titrations for quantitative estimations

SEM:I	Sub Name: Engineering Chemistry Lab											
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
18CHEL16.1	3	2	-	1	3	-	2	-	-	-	-	-
18CHEL16.2	2	3	-	2	1	-	-	-	-	-	-	-

K.L.M
Faculty

K.L.M
for

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Department of Electrical & Electronics and Engineering

CO-PO-PSO MAPPING

COURSE TITLE:	**Basic electrical Engineering laboratory**
COURSE CODE:	**18ELEL17**
SEMESTER:	**I**

Course Outcomes	
CO1:	Understand of basic equipments and techniques to measure electrical quantities
CO2:	Analyze and verify the circuit laws, truth tables and interpret the results.
CO3:	Demonstrate basic protective devices, measurement of earth resistance and UPS

CO-PO-PSO MAPPING (1-Low, 2-Moderate, 3-High)

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

(RADHA B.N.)
Faculty Name & Signature

HOD
HOD.,
Dept. of EEE
CIT, GUBBI-572216

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Department of Basic Science

CO-PO-PSO MAPPING

COURSE TITLE:	Technical English -2
COURSE CODE:	18EGH28
SEMESTER:	2ND Semester

Course Outcomes	
CO1:	Identify common errors in spoken & written communication.
CO2:	Get Familiarized with English vocabulary & language proficiency.
CO3:	Improves nature & style of sensible writing & acquire employment & workplace communication skills.
CO4:	To improve presentation skills
CO5:	Improve Technical Communication Skills through Technical Reading and writing practice
CO6:	Perform well in campus recruitment, engineering & all other general competitive examination.

CO-PO-PSO MAPPING (1-Low, 2-Moderate, 3-High)

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

Faculty Name & Signature
Roopa Shankar T.V.

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