

Department of Electrical & Computer Engineering

SY SEM ODD/EVEN/I II/IV

Sr.No Course Code Course Name

1 BTECC301 Engineering Mathematics III

Department :	Electrical & Computer Engg.
Academic Year:	2023-24
Class :	SY
Course Code :	BTECC301
Course Name :	Engineering Mathematics III
Name of Faculty	A.A.Patil

Course Outcome

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

CO1	To study construction and working of transformers and D.C. machines.
CO2	To study performance of transformers and D.C. machines.
CO3	To study construction and working of special machines and d.c. motor.

CO - PO Mapping Table

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

2 BTECC302 Electrical Machine I

Department :	Electrical & Computer Engg.
Academic Year:	2023-24
Class :	SY
Course Code :	BTECC302
Course Name :	Electrical Machine 1
Name of Faculty	Dr.L.S.Patil

Course Outcome

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

CO1	Understand and apply the properties of Laplace Transform and Fourier Transform.
CO2	Formulate partial differential equation and solve it for real word problem.
CO3	Analyse and map different complex functions and Solve integration of complex function by using Cauchy's integral formula.

CO - PO Mapping Table

CO	Programme Outcome (PO)													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	3	2												
2	3	2												
3	3	2												

3 BTECC303 Electrical and Electronics Measurement

Department :	Electrical & Computer Engg.
Academic Year:	2023-24
Class :	SY
Course Code :	BTECC303
Course Name :	Electrical and Electronics Measurement
Name of Faculty	Dr.S.N.Patil

Course Outcome

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

CO1	To identify philosophy of measurement.
CO2	To illustrate different methods analog and digital measurement
CO3	To describe principle of construction and operation of different transducer and display methods.

CO - PO Mapping Table

CO	Programme Outcome (PO)													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	1	2	1											
2	1	2	2											
3	1	1	1											

4 BTECC304 Data Structure Using CPP

Department :	Electrical & Computer Engg.
Academic Year:	2023-24
Class :	SY
Course Code :	BTECC304
Course Name :	Data Structure Using Cpp
Name of Faculty	Pooja Mhetre

Course Outcome

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

CO1	To provide students with a through understanding of the properties and characteristics of various eng. Materials
CO2	To study and understand the physics behind the different electrical engg. Materials
CO3	To study and understand the properties and characteristics magnetic materials and some special purpose material like refractive ,radioactive materials.

CO - PO Mapping Table

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

5 BTECC305 Analog And Digital Electronics

Department :	Electrical & Computer Engg.
Academic Year:	2023-24
Class :	SY
Course Code :	BTECC305
Course Name :	Analog And Digital Electronics
Name of Faculty	M.C.Butale

Course Outcome

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

CO1	Statement -1 To Understand the basic elements , Laws and circuit solving methods.
CO2	Statement - 2 Analyze AC and DC transient response of resistance, inductance and capacitance in terms of impedance.
CO3	Statement - 3 Characterize and model the network in terms of all network parameters and analyze.

CO - PO Mapping Table

CO	Programme Outcome (PO)													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	2	3	2									2	2	3
2	3	2	2										3	3
3	3	2	3										3	2

6 BTECC401 Network Theory

Department :	Electrical & Computer Engg.
Academic Year:	2023-2024
Class :	Sy Btech
Course Code :	BTECC401
Course Name :	Network Theory
Name of Faculty	Mrs.S.S.Patil

Course Outcome

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

CO1	Understand Basic of power system
CO2	Analysis of transmission line its mechanical and electrical design
CO3	Understand AC and DC Distributions

CO - PO Mapping Table

CO	Programme Outcome (PO)													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	3	1										2	3	
2	3	3		3								2	3	
3	3	2		2								2	2	

7 BTECC402 Power System I

Department :	Electrical & Computer Engg.
Academic Year:	2023-24
Class :	SY EE
Course Code :	BTECC402
Course Name :	Power System I
Name of Faculty	Mrs.S.P. Kamble

Course Outcome

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

CO1 To study construction and working of three phase synchronous and induction machines.

CO2 To study performance of three phase synchronous and induction machines.

CO3 To study construction and working of special machines and single phase induction motor.

CO - PO Mapping Table

CO	Programme Outcome (PO)													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	2	3												
2		2		3	2					2	3		3	
3	3	2												2

8 BTECC403 Electrical Machine 2

Department :	Electrical and Computer Engineering
Academic Year:	2023-24
Class :	SY
Course Code :	BTECC403
Course Name :	Electrical Machine 2
Name of Faculty	Dr.L.S.Patil

Course Outcome

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

CO1 Explain different advanced renewable energy conversion systems and fuel cell.

CO2 Describe working of Wind, Solar and Bio energy with their applications.

CO3 Explain electrical storage systems used for renewable energy.

CO4 Explain interconnection of sources with the grid.

CO - PO Mapping Table

CO	Programme Outcome (PO)													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	2		3											
2		2		2	3					1	2			
3	2	3												
4			2				3				2			

9 BTECC405 Computer Architecture and Operating System

Department :	Electrical and Computer Engineering
Academic Year:	2023-24
Class :	SY
Course Code :	BTECC405
Course Name :	computer Architecture and operating system
Name of Faculty	MC Bhutale

Course Outcome	
Upon successful completion of the course students will be able to:	
CO1	Explain different advanced renewable energy conversion systems and fuel cell.
CO2	Describe working of Wind, Solar and Bio energy with their applications.
CO3	Explain electrical storage systems used for renewable energy.
CO4	Explain interconnection of sources with the grid.
CO - PO Mapping Table	

CO	Programme Outcome (PO)													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	2		3											
2		2		2	3					1	2			
3	2	3												
4			2				3				2			

9 BTECPE404 Computer Algorithm

Department :	Electrical and Computer Engineering
Academic Year:	2023-24
Class :	SY
Course Code :	BTECPE404
Course Name :	Computer Algorithm
Name of Faculty	M.V.Dongere

Course Outcome	
Upon successful completion of the course students will be able to:	
CO1	Explain different advanced renewable energy conversion systems and fuel cell.
CO2	Describe working of Wind, Solar and Bio energy with their applications.
CO3	Explain electrical storage systems used for renewable energy.
CO4	Explain interconnection of sources with the grid.
CO - PO Mapping Table	

CO	Programme Outcome (PO)														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	
1	2		3												
2		2		2	3					1	2				
3	2	3													
4			2				3				2				