



Department of Electronics and Telecommunication

Academic Year 2023-24

Semester –VII (Final Year)

Structure of Course

Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
PCC 10	BTETC701	Microwave Engineering	3	1	-	20	20	60	100	4
PEC 4	BTETPE702	Group A	3	1	-	20	20	60	100	4
OEC 3	BTETOE703	Group B	3	1	-	20	20	60	100	4
OEC 4	BTETOE704	Group C	3	1	-	20	20	60	100	4
HSSMC	BTHM705	Engineering Economics and Financial Mathematics	3	-	-	20	20	60	100	3
HSSMC	BTHM706	Foreign Language Studies	-	-	-	-	-	-	-	Audit
LC	BTETL707	Microwave Engineering Lab	-	-	2	60	-	40	100	1
Project	BTETM708	Mini Project – 3	-	-	4	60	-	40	100	2
Internship	BTETP608	Internship – 3 Evaluation	-	-	-	-	-	-	-	Audit
Total			15	4	6	220	100	380	700	22

BTETPE702 Program Elective 4 (Group A)	BTETOE703 Open Elective 3 (Group B)	BTETOE704 Open Elective 4 (Group C)
(A) Digital Image Processing	(A) Wireless Sensor Networks	(A) Soft Computing
(B) RF Circuit Design	(B) Block Chain Technology	(B) Big Data Analytics
(C) Satellite Communication	(C) Cyber Security	(C) Data Structure & Algorithms Using Java Programming
(D) Fiber Optic Communication	(D) Mobile Computing	(D) Entrepreneurship Development
(E) Bio-medical Signal Processing	(E) Mobile Communication and Networks	(E) Software Defined Radio
(F) Principles of Modern Radar Engineering	(F) EMI and EMC	(F) E Waste Management

Vision:

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Mission:

M1: To provide cutting edge platform to explore innovative, creative and entrepreneurial leadership qualities among the students.
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Yashoda Shikshan Prsarak Mandal's

Yashoda Technical Campus

Approved by AICTE Delhi/ Govt. of Maharashtra/ Accredited by NAAC
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Faculty of Engineering

Department of Electronics and Telecommunication

Academic Year 2023-24

Semester –VIII (Final Year)

Structure of Course

Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
Project/ Internship	BTETP801	Project work/ Internship	-	-	24	60	-	40	100	12
Total			-	-	24	60	-	40	100	12

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Course Title: MWE

BTETC701_2	Identify the use of microwave components and devices in microwave applications
BTETC701_3	Understand the working principles of all the microwave tubes
BTETC701_4	Understand the working principles of all the solid-state devices.
BTETC701_5	Choose a suitable microwave tube and solid-state device for a particular application.
BTETC701_6	Carry out the microwave network analysis.
BTETC701_7	Choose a suitable microwave measurement instruments and carry out the required measurements.

CO to PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
BTETC701_1	3	3	3	3	2							2	2	1	1
BTETC701_2	3	3	3	2	2							2	2	1	1
BTETC701_3	3	3		3	2							2	2	1	1
BTETC701_4	3	3	3	2	2							2	2	1	1
BTETC701_5	3	3	3	2	2							2	2	1	1
BTETC701_6	3	3										2	2	1	1
BTETC701_7	3	3	2	2	1							2	2	1	1
AVG	3	3	3	2.4	2							2	2	1	1

Correlation level defined 1,2,3 as below

1-Slight 2-Modrate 3-High

Course Coordinator

HOD

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Faculty of Engineering



Department of Electronics and Telecommunication

Course Title: Sat Com

BTETPE702C_1	Knowledge of theory and practice related to radar and Satellite communication.
BTETPE702C_2	Ability to identify, formulate and solve engineering problems related to radar and Satellite communication.
BTETPE702C_3	The student would be able to analyze the various aspects of establishing a geo-stationary satellite communication link.
BTETPE702C_4	Acquired knowledge about Satellite Navigation System.
BTETPE702C_5	Acquired knowledge about Radar and Radar Equations.

CO to PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
BTETC503_1	1	1		1	2							2	2	1	1
BTETC503_2	1	1		1	2							2	2	1	1
BTETC503_3	1	1		1	2							2	2	1	1
BTETC503_4	1	1		1	2							2	2	1	1
BTETC503_5	1	1		1	2							2	2	1	1
AVG	1	1		1	2							2	2	1	1

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Course Title: WSN

BTETOE703A _1	Design wireless sensor networks for a given application
BTETOE703A _2	Understand emerging research areas in the field of sensor networks
BTETOE703A _3	Understand MAC protocols used for different communication standards used in WSN
BTETOE703A _4	Explore new protocols for WSN.

CO to PO Mapping	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
BTETOE 703A _1	2	2	2									2	1	1	1
BTETOE 703A _2		2		1								2	1	1	1
BTETOE 703A _3	2	1	1	1								2	1	1	1
BTETOE 703A _4	1			2								2	1	2	1
AVG	1.6 7	1.6 7	1.5 0	1.3 3								2	1	1.25	1

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Course Title: EEFM

BTETOE704D_1	Understand the market structures and integration concepts.
BTETOE704D_2	Understand the measures of national income, the functions of banks and concepts of globalization
BTETOE704D_3	Apply the concepts of financial management for project appraisal
BTETOE704D_4	Apply the concepts of financial management for project appraisal
BTETOE704D_5	Analyze the impact of inflation, taxation, depreciation. Financial planning, economic basis for replacement, project scheduling, and legal and regulatory issues are introduced and applied to economic investment and project-management problems.

CO to PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
BTHM705_1	1	2	1	1	1		1	1	1	1	2	2	1	2	3
BTHM705_2	1	2	1	2	2		1	1	1	1	2	2	1	2	3
BTHM705_3	2	2	2	1	1		1	1	1	1	1	2	1	2	3
BTHM705_4	2	2	2	2	2		1	1	2	2	1	1	1	2	3
BTHM705_5	1	2	1	2	2		1	1	2	2	2	1	1	2	3
AVG	1.4	2	1.4	1.6	1.6		1	1	1.4	1.4	1.6	1.6	1	2	3

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Course Title: ED

BTETOE704D_1	Have the ability to discern distinct entrepreneurial traits.
BTETOE704D_2	Know the parameters to assess opportunities and constraints for new business ideas.
BTETOE704D_3	Understand the systematic process to select and screen a business idea.
BTETOE704D_4	Design strategies for successful implementation of ideas.
BTETOE704D_5	Write a business plan.

CO to PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
BTETOE704D_1	1	2	1	1	1		1	1	1	1	2	2	0	2	3
BTETOE704D_2	1	2	1	1	1		1	1	1	1	2	2	0	2	3
BTETOE704D_3	2	2	2	1	1		1	1	2	1	2	2	0	2	3
BTETOE704D_4	2	3	3	2	3		1	1	2	2	2	2	0	2	3
BTETOE704D_5	1	3	3	2	3		1	1	2	2	2	2	0	2	3
AVG	1.4	2.4	2	1.4	1.8		1	1	1.6	1.4	2	2	0	2	3

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