

Program Name: - Bachelor of Technology (Electronics& Communication Engineering)
Program Code: ET116
Semester:-I
With effect from: 2026-27

Course code	Course Name	Course Type	Credit	Hours per Week				Theory (Marks)				Practical (Marks)				Total (Marks)
				L	T	P	Total	SEE		CCA		SEE		CCA		
								Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
2ET1000101T	Engineering Mathematics-I with Computing Tools	BSC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1000101P	Engineering Mathematics-I with Computing Tools Practical	BSC	1	0	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000103T	Applied Physics	BSC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1000103P	Applied Physics Practical	BSC	1	0	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000106T	Elements of Civil and Mechanical Engineering	ESC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1000106P	Elements of Civil and Mechanical Engineering Practical	ESC	1	0	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000107T	Problem Solving with Computational Thinking	ESC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1000107P	Problem Solving with Computational Thinking Practical	ESC	1	0	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000108T	Engineering Graphics and Design	ESC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1000108P	Engineering Graphics and Design Practical	ESC	1	0	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000112P	IT workshop	PCC/ESC	1	0	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000116P	Yoga and Spirituality*	MC	-	-	-	2	2	-	-	-	-	-	-	-	-	-
	Total		21	15	0	14	29		300		200		150		150	800

L=Lecture, T=Tutorial, P=Practical

Note(if any): - *Subjects Non-Credit

Program Name: -Bachelor of Technology (Electronics & Communication Engineering)
Program Code: ET116
Semester: -II
With Effect from: 2026-27

Course code	Course Name	Course Type	Credit	Hours per Week				Theory (Marks)				Practical (Marks)				Total (Marks)
				L	T	P	Total	SEE		CCA		SEE		CCA		
								Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
2ET1000102T	Engineering Mathematics-II with Computing Tools	BSC	3	3	-		3	24	60	16	40	-	-	-	-	100
2ET1000102P	Engineering Mathematics-II with Computing Tools Practical	BSC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000105T	Communication Skill	HSMC	2	2	-		2	24	60	16	40	-	-	-	-	100
2ET1000105P	Communication Skill Practical	HSMC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000109T	Elements of Electrical and Electronics Engineering	ESC	3	3	-		3	24	60	16	40	-	-	-	-	100
2ET1000109P	Elements of Electrical and Electronics Engineering Practical	ESC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000110T	Python Programming	PCC	3	3	0		3	24	60	16	40	-	-	-	-	100
2ET1000110P	Python Programming Practical	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000111T	Universal Human Value-II: Understanding Harmony and Ethical Human Conduct	HSMC	3	3	0	-	3	24	60	16	40	-	-	-	-	100
2ET1000115P	Manufacturing Practice Workshop	ESC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000117T	Environmental Studies*	MC	-	2	-	-	2	-	-	-	-	-	-	-	-	
Total			19	16	0	10	26		300		200		125		125	750

L=Lecture, T=Tutorial, P=Practical

Note (if any):- *Subjects non-credit

BSC=Basic Science Course

ESC=Engineering Science Course

PCC = Professional Core Course

HSMC= Humanities & Social Science including Management

Course SEE = Semester End Evaluation

CCA = Continuous & Comprehensive Assessment

Program Name: - Bachelor of Technology (Electronics & Communication Engineering)
Program Code: ET116
Semester: - IV
With Effect from: 2026-27

Course code	Course Name	Course Type	Credit	Hours per week				Theory (Marks)				Practical (Marks)				Total (Marks)
				L	T	P	Total	SEE		CCA		SEE		CCA		
								Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
1ET1160401T	Analog Circuits	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
1ET1160401P	Analog Circuits Practical	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
1ET1160402T	Control System	ESC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
1ET1160403T	Micro Processor & Micro Controller	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
1ET1160403P	Micro Processor & Micro Controller Practical	PCC	1		-	2	2	-	-	-	-	10	25	10	25	50
1ET1160404T	Network Theory	BSC	4	3	1	-	4	24	60	16	40	-	-	-	-	100
1ET1160405T	Analog and Digital Communication	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
1ET1160406P	Analog and Digital Communication Practical	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
1ET1160407T	Introduction to Artificial Intelligence	ESC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
1ET1160407P	Introduction to Artificial Intelligence Practical	ESC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1000402T	Integrated Personality Development Course-I	MCC	-	2	-	-	2	-	-	-	-	-	-	-	-	-
	Total		23	20	1	8	29									800

SEE=Semester End Evaluation, CCA=Continuous & Comprehensive Assessment
L=Lecture, T=Tutorial, P=Practical



Faculty of Engineering and Technology

Program Code: ET116

With Effect from: 2026-27

[illegible]

Professional Elective-I		
1ET1160503T	Advanced Physics	ST
1ET1160503P	Advanced Physics Practical	ST
1ET1160504T	Operating Systems	ES
1ET1160504P	Operating Systems Practical	ES
1ET1160505T	Digital Design using HDL	VLSI
1ET1160505P	Digital Design using HDL Practical	VLSI

Professional Elective-II		
1ET1160506T	Advanced Semiconductor Manufacturing	ST
1ET1160506P	Advanced Semiconductor Manufacturing Practical	ST
1ET1160507T	Embedded System	ES
1ET1160507P	Embedded System Practical	ES
1ET1160508T	Low Power Circuit Designs & MEMS	VLSI
1ET1160508P	Low Power Circuit Designs & MEMS Practical	VLSI

Management Elective-I	
2ET1000501T	Industrial Psychology
2ET1000502T	Project Management

L=Lecture, T=Tutorial, P=Practical

Note (if any):- ESC: Engineering Science Course; PCC: Professional Core Course; HSSC: Humanities and Social Sciences; MCC: Mandatory Course
, SEE=Semester End Evaluation CCA=Continuous & Comprehensive Assessment

Program Name: - Bachelor of Technology (Electronics & Communication Engineering)

Program Code: ET116

Semester: - VI

With Effect from: 2026-27

Course code	Course Name	Course Type	Credit	Hours per week				Theory (Marks)				Practical (Marks)				Total (Marks)
				L	T	P	Total	SEE		CCA		SEE		CCA		
								Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
1ET1160601T	Antenna & Wave Propagation	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
1ET1160601P	Antenna & Wave Propagation Practical	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
1ET1160602T	Optical Communication	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
1ET1160602P	Optical Communication Practical	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
1ET1160603T	Computer Networks	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
	Professional Elective –III	PEC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
	Professional Elective–III practicals	PEC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
	Open Elective-I	OEC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
1ET1160607P	Engineering Project-I	PROJ	2	-	-	4	4	-	-	-	-	10	25	10	25	50
	Management Elective-II	HSSC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
	Total		23	18	-	10	28									800

Professional Elective-III		
1ET1160604T	Semiconductor Manufacturing Instruments	ST
1ET1160604P	Semiconductor Manufacturing Instruments Practical	ST
1ET1160605T	IoT	ES
1ET1160605P	IoT Practical	ES
1ET1160606T	FPGA Programming	VLSI
1ET1160606P	FPGA Programming Practical	VLSI

Management Elective-II	
2ET1000602T	Operation Research
2ET1000603T	Finance and Accounting

Open Elective-I	
Course Code	Course Name
2ET1010681T	Introduction to Robotics
2ET1060681T	Disaster Management
2ET1090681T	Power Electronics
2ET1030681T	Cryptography and Computer Security
2ET1080681T	Microwave Communication

L=Lecture, T=Tutorial, P=Practical

Note (if any): -PCC: Professional Core Course; PROJ-Project; SEE=Semester End Evaluation; CCA=Continuous & Comprehensive Assessment

Program Name: - Bachelor of Technology (Electronics& Communication Engineering)

Program Code: ET116

Semester: -VII

With Effect from: 2026-27

Course code	Course Name	Course Type	Credit	Hours per week				Theory (Marks)				Practical (Marks)				Total (Marks)
				L	T	P	Total	SEE		CCA		SEE		CCA		
								Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
1ET1160701T	Wireless Communication & Information Theory	PCC	3	3	-		3	24	60	16	40	-	-	-	-	100
1ET1160701P	Wireless Communication & Information Theory Practical.	PCC	1			2	2	-	-	-	-	10	25	10	25	50
1ET1160702T	Digital Image and Video Processing	PCC	3	3	-		3	24	60	16	40	-	-	-	-	100
1ET1160702P	Digital Image and Video Processing Practical	PCC	1			2	2	-	-	-	-	10	25	10	25	50
	Professional Elective- IV	PEC	3	3	-		3	24	60	16	40	-	-	-	-	100
	Professional Elective-IV Practical	PEC	1			2	2	-	-	-	-	10	25	10	25	50
	Open Elective-II	OEC	3	3	-	0	3	24	60	16	40	-	-	-	-	100
1ET1160706P	Engineering Project-II	PROJ	6	-	-	12	12	-	-	-	-	30	75	30	75	150
	Total		21	12	0	18	30									700

Open Elective-II

Professional Elective-IV		
1ET1160703T	Emerging Memory Devices	ST
1ET1160703P	Emerging Memory Devices Practical	ST
1ET1160704T	Wireless Sensors	ES
1ET1160704P	Wireless Sensors Practical	ES
1ET1160705T	Verification Tools and Techniques	VLSI
1ET1160705P	Verification Tools and Techniques Practical	VLSI

Course Code	Course Name	Subject Offered By
2ET1010781T	Quality Management	Mechanical Engineering
2ET1060781T	Waste Management	Civil Engineering
2ET1090781T	Wind and Solar Energy Systems	Electrical Engineering
2ET1030781T	Data Handling and Visualization	Computer Engineering/Information Technology
2ET1080781T	Industrial IoT	Artificial Intelligence and Data Science

L=Lecture, T=Tutorial, P=Practical

Note (if any): - BSC: Basic Science Course; ESC: Engineering Science Course; PCC: Professional Core Course; HSSC: Humanities and Social Sciences; MCC: Mandatory Course; SEE=Semester End Evaluation ; CCA=Continuous & Comprehensive Assessment

Program Name: - Bachelor of Technology (Electronics& Communication Engineering)
Semester: -VIII

Program Code: ET116
With Effect from: 2026-27

Course code	Course Name	Course Type	Credit	Hours per week				Theory (Marks)				Practical (Marks)				Total (Marks)
				L	T	P	Total	SEE		CCA		SEE		CCA		
								Min	Max	Min	Max	Min	Max	Min	Max	
	Open Elective–III	OEC	3	3	-	-	3	24	60	16	40	-	-		-	100
1ET1160801P	Engineering Project-III: Internship / Project	PROJ	14	-	-	28	28	-	-	-	-	70	175	70	175	350
	Total		17	3	-	28	31									450

Open Elective–III

Course Code	Course Name	Subject Offered By
2ET1010881T	Optimization Methods in Engineering	Mechanical Engineering
2ET1060881T	Smart Cities	Civil Engineering
2ET1090881T	Energy Conservation and Audit	Electrical Engineering
2ET1030881T	Blockchain Technology	Computer Engineering/Information Technology
2ET1080881T	Speech Processing	Artificial Intelligence and Data Science
2ET1070881T	Cloud Computing	Information Technology

Note (if any): - L=Lecture, T=Tutorial, P=Practical