


Program Structure

B. Tech (Electrical & Electronics Engineering)

Academic Year: 2018-19

		SEMESTER I 2018-19			SEMESTER II 2018-19		
YEAR I	Course Code	Course Title	L P U	Course Code	Course Title	L P U	
	MA 111	Mathematics I	3 0 3	ES111	Thermodynamics	3 0 3	
	PH 111	Physics I	3 0 3	ES121	Engineering Mechanics	3 0 3	
	CH 111	Chemistry	3 0 3	MA 121	Mathematics II	3 0 3	
	TA 104	Physical Sciences Lab I	0 3 1	PH 121	Physics II	3 0 3	
	TA 101	Engineering Graphics	2 4 4	TA 105	Physical Sciences Lab II	0 2 1	
	ENV122	Environmental Science	3 0 3	TA 102	Workshop	2 4 4	
	EGL101	English Language Skill	3 0 3	TA121 T	C Programming	3 0 3	
	TA 101	Engineering Graphics	2 4 4	TA121 P	C Programming Practical	0 3 2	
Summer Term	IP101	Summer Internship Program				0 0 5	
		SEMESTER III 2019-20			SEMESTER IV 2019-20		
YEAR II	Course Code	Course Title	L P U	Course Code	Course Title	L P U	
	EC211T	Digital Logic Design	3 0 3	ECN201	Principles of Economics	3 0 3	
	EC211 P	Digital Logic Design Practical	0 3 2	MA212	Probability and Statistics	3 0 3	
	CS 212T	Object Oriented Programming C++	3 0 3	ME222T	Fluid Mechanics	3 0 3	
	CS 212 P	Object Oriented Programming C++ Practical	0 3 2	ME222P	Fluid Mechanics Practical	0 3 2	
	EC 221	Electronic Devices and Circuits	3 0 3	EC217	EM Fields & Waves	3 0 3	
	ES 211T	Basic Electrical & Electronics Engineering	3 0 3	EC224T	Network Theory	3 0 3	
	ES 211P	Basic Electrical & Electronics Engineering Practical	0 3 2	EC224 P	Network Theory Practical	0 3 2	
	TA204	Technical Report Writing	3 0 3	EC222 T	Microprocessor Programming and Interfacing	3 0 3	
	MA 211	Mathematics III	3 0 3	EC222 P	Microprocessor Programming and Interfacing Practical	0 3 2	
Summer Term	IP201	Internship Program I				0 0 5	


 Registrar,
 ICFAI University Tripura
 Kamalghat, Tripura (West).

		SEMESTER V 2020-21			SEMESTER VI 2020-21		
YEAR III	Course Code	Course Title	L P U	Course Code	Course Title	L P U	
	MA 309	Numerical Analysis	3 0 3	HS304	Dynamics of Social Changes	3 0 3	
	EC 324	Signals & System	3 0 3	EE 312	Power Systems II	3 0 3	
	EC 313T	Analog Electronics	3 0 3	EE321T	Electrical Machines II	3 0 3	
	EC 313P	Analog Electronics Practical	0 3 2	EE321P	Electrical Machines II Lab	0 3 2	
	EC 315T	Control Systems	3 0 3	EE322	Powers System Analysis	3 0 3	
	EC315 P	Control Systems Practical	0 3 2	EC327T	Electrical & Electronics Measurements	3 0 3	
	EE223	Power Systems I	3 0 3	EC327 P	Electrical & Electronics Measurements Practical	0 3 2	
	EE 311T	Electrical Machines I	3 0 3	EE323T	Power Electronics	3 0 3	
	EE 311P	Electrical Machines I Lab	0 3 2	EE323P	Power Electronics Practical	0 3 2	
	OC311	Soft Skills	2 0 2				
Summer Term	IP301	Internship Program I I				0 0 5	
		SEMESTER VII 2021-22			SEMESTER VIII 2021-22		
YEAR IV	Course Code	Course Title	L P U	Course Code	Course Title	L P U	
	EE411T	Electrical Machine Design	3 0 3	EE421	Power Semiconductor drives	3 0 3	
	EE411P	Electrical Machines Design Lab	0 3 2	EE422	Electrical Distribution Systems	3 0 3	
	EE412	Switch Gear and Protection	3 0 3	EE492	Special Project II	0 0 5	
	EC407T	Micro Controllers and Applications	3 0 3	EE403	HVDC Transmission and Fact (Elective 3)	3 0 3	
	EC407P	Micro Controllers and Applications Practical	0 2 3	GV405	Grand Viva	0 0 3	
	EE402 / EEE402	Electric Power Utilization and Illumination / Instrumentation and Process Control (Elective 1)	3 0 3				
	EEE401 / EE414	Electrical Energy Conservation and Audit / Special Electro-Mechanical Systems (Elective 2)	3 0 3				
	EE491	Special Project I	0 0 5				


 Registrar,
 IGFAI University Tripura
 Kamalghat, Tripura (West).

Electives for BTech (EEE) (Any three to be opted)

Sl. No.	Course Code	Course Title	L	P	U
1	EE401	Advanced Control System	3	0	3
2	EE402	Electric Power Utilization and Illumination	3	0	3
3	EE403	HVDC Transmission and Fact	3	0	3
4	EE404	Design of Electrical Systems	3	0	3
5	EE405	Communication Techniques	3	0	3
6	EE406	Instrumentation	3	0	3
7	EE413T	Object Oriented Programming through Java	3	0	3
8	EE413P	Object Oriented Programming through Java Practical	0	3	2
9	EE408	Renewable Sources of Electrical Energy	3	0	3
10	EE409	Reliability and Safety Engineering	3	0	3
11	EE410	VLSI Design	3	0	3
12	EE414	Special Electro-Mechanical Systems	3	0	3
13	EE415	Power Quality	3	0	3
14	EEE401	Electrical Energy Conservation and Audit	3	0	3
15	EEE401	Instrumentation and Process Control	3	0	3
16	ECE416T	Digital Signal Processing	3	0	3
17	ECE416P	Digital Signal Processing Practical	0	3	2


 Registrar,
 ICFAT University Tripura
 Kamalghat, Tripura (West).