

BE (Electrical and Electronics Engineering)

(With New Subject Code Applicable from MO-2009)

BE (EEE) - I SEMESTER

THEORY			SESSIONAL		
CODE	TITLE	UNIT	CODE	TITLE	UNIT
HU 1101	Technical English	1.0	ME 1102	Engineering Graphics	1.0
PH 1101	Physics- I	1.0	CS 1202	Unix & C Programming	1.0
CH 1301	Engineering Chemistry	1.0	PH 1102/	Physics Lab./	
MA 1101	Mathematics- I	1.0	CH 1302	Chemistry Lab.	0.5
ME 1101	Engineering Mechanics	1.0	PE 1102	Work Shop Practice- I	0.5
			GA 1002	NCC/ NSS/ PT & Games/ Creative Arts	0.5

BE (EEE) - II SEMESTER

MA 2101	Mathematics- II	1.0	ME 2102	Computer Aided Drafting	1.0
EE 2101	Basic Electrical Engineering	1.0	CH 1202/	Chemistry Lab./	
CP 2101	Data Structure in C++	1.0	PH 1102	Physics Lab.	0.5
CH 2103	Environmental Science	1.0	ME 2104/	Engineering Mechanics Lab./	
PH 2103	Physics- II	1.0	EE 3102	Basic Electrical Engineering Lab.	0.5
			CP 2102	Data Structure Lab.	0.5
			PE 2102	Workshop Practice- II	0.5
			GA 2002	NCC/ NSS/ PT & Games/ Creative Arts	0.5

BE (EEE) - III SEMESTER

MA 3101	Mathematics III	1.0	EE 3102	Basic Electrical Engineering Lab	0.5
EC 3101	Basic Electronics	1.0	ME 2104/	Engg. Mechanics Lab/	
EE 3101	Introduction to System Theory	1.0	EC 3102	Basic Electronics Lab	0.5
ME 3207	Principle of Mechanical Engg.	1.0	PH 3102	Material Science Lab	0.5
PH 3101	Material Science	1.0	EE 3104	MATLAB Lab	0.5
EE 3103	Electric Energy Generation & Control	1.0	GA 3002	NCC/NSS	0.5

BE (EEE) - IV SEMESTER

EE 4101	DC Machines and Transformer	1.0	EE 4102	Electrical Machine Lab. I	0.5
EE 4103	Electrical Measurement	1.0	EC 4102	Digital Electronics Lab.	0.5
EE 4105	Networks Theory	1.0	EC 4106	Discrete and Integrated Analog Circuits	
EC 4101	Digital Electronics	1.0		Lab	0.5
EC 4105	Discrete and Integrated Analog Circuits	1.0	MA 4102	Scientific Computing Lab.	0.5
MA 4101	Scientific Computing	1.0	GA 4002	NCC/NSS/Games/Creative Arts	0.5

BE (EEE) - V SEMESTER

EE 5101	AC Rotating Machines	1.0	EE 5102	Electrical Machine Lab.- II	0.5
EE 5103	Electric Power Transmission & Distribution	1.0	EE 5108	Digital Signal Processing Lab.	0.5
EE 5105	Engineering Electromagnetic	1.0	EE 5110	Measurements & Instrumentation Lab.	0.5
EE 5107	Digital Signal Processing	1.0	EE 5112	Microprocessor Lab.	0.5
EE 5109	Electronic Instrumentation	1.0			
EE 5111	Microprocessor & Microcontroller	1.0			

BE (EEE) - VI SEMESTER

EE 6101	Fundamental of Communication System	1.0	EE 6102	Electrical Design Drawing and CAD	1.0
EE 6103	Power System Analysis	1.0	EE 6106	Control System Laboratory	0.5
EE 6105	Linear Control Theory	1.0	EE 6108	Power Electronics Lab.	0.5
EE 6107	Power Electronics	1.0	CS 6052	RDBM Lab.	0.5
CS 6051	Relational Data Base Management System	1.0	EE 6112	Project	0.5

BE (EEE) - VII SEMESTER

EE 7101	Applied Power Electronics	1.0	EE 7102	Applied Power Electronics Lab.	0.5
EE 7103	Industrial Drives & Control	1.0	EE 7104	Power System Lab.	0.5
EE 7105	Switch Gear and Protection	1.0	EE 7112-7122	Sessional/ Lab. on Elective - I	0.5
EE 7107	High Voltage Engineering	1.0	EE 7106	Project	0.5
PE 7209	Engineering Economics	1.0			
EE 7111-7121	Elective - I	1.0			

LIST OF ELECTIVES (ELECTIVE - I)

EE 7111	Computer Aided Power System Analysis
EE 7113	Testing & Commissioning of Electrical Equipment
EE 7115	Control System Design
EE 7117	Neural Network
EE 7119	Embedded System and Advanced Processors
EE 7121	Microprocessor Applications

BE (EEE) - VIII SEMESTER

EE 8101	Applied Control Theory	1.0	EE 8102	Simulation Lab.	0.5
EE 8103	Utilization of Electrical Power	1.0	EE 8108-8132	Lab/Sessional Based on Elective	0.5
EE 8105	Information Technology	1.0	EE 8104	Project	1.0
MB 8001	Principles of Management	1.0			
EE 8107-	} Elective - II	1.0			
EE 8131		} Elective - III	1.0		

LIST OF ELECTIVES (ELECTIVE - II & III)

EE 8107	Fuzzy Logic Control
EE 8109	Artificial Intelligence
EE 8111	Robotics
EE 8113	Power System Dynamics & Reliability
EE 8115	Modern Power System Operation & Control
EE 8117	Bio-Electronics Instrumentation
EE 8119	VLSI Design
EE 8121	Computer System Architecture
EE 8123	Indian Constitution and Professional Ethics
EE 8125	Specifications & Estimation of Electrical Installations
EE 8127	Neuro-Fuzzy Technique in Power Systems
EE 8129	EHV Power Transmission
EE 8131	Direct Energy Conversion

Note:

EE 5113	Principle of Electrical Machines (only for ECE)	1.0
---------	---	-----