

**SCHEME OF INSTRUCTION & EXAMINATION**  
**B.E. V – Semester**  
**(ELECTRICAL AND ELECTRONICS ENGINEERING)**

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
<b>Theory Courses</b>										
1.	PC501EE	Power Systems-II	3	-	-	4	30	70	3	3
2.	PC502EE	Electrical Machines-II	3	-	-	4	30	70	3	3
3.	PC503EE	Electrical Measurements and Instrumentation	3	1	-	4	30	70	3	3
4.	PC504EE	Linear Control Systems	3	1	-	4	30	70	3	3
5.	PC505EE	Digital Signal Processing and Applications	3	1	-	4	30	70	3	3
6.	PE-1	Professional Elective-I	3	-	-	3	30	70	3	3
7.	MC901EG	Gender Sensitization	3	-	-	3	30	70	3	0
<b>Practical / Laboratory Courses</b>										
8.	PC551EE	Electrical Machines Lab-1	-	-	2	2	25	50	3	1
9.	PC552EE	Power Electronics Lab	-	-	2	2	25	50	3	1
10.	PC553EE	Circuits & Measurements Lab	-	-	2	2	25	50	3	1
		<b>Total</b>	<b>21</b>	<b>3</b>	<b>6</b>	<b>30</b>	<b>285</b>	<b>640</b>		<b>21</b>

**Professional Elective-1**

PE501EE	Programmable Logic controllers
PE502EE	Electronic Instrumentation
PE503EE	FACTS Devices

MC: Mandatory Course

PC: Professional Course

HS: Humanities and Sciences L: Lecture

T: Tutorial

P : Practical

D: Drawing


CIE:

Continuous Internal Evaluation

SEE: Semester End Examination (Univ. Exam)

**Note:** 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

  
 Head of Department  
 Department of EEE  
 Methodist College of Engg & Tech.  
 Abids, Hyderabad-500 001.

**SCHEME OF INSTRUCTION & EXAMINATION**  
**B.E. VI – Semester**  
**(ELECTRICAL AND ELECTRONICS ENGINEERING)**

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/Dr g	Contact Hrs/Wk	CI E	SE E	Duration in Hrs	
<b>Theory Courses</b>										
1.	PC601EE	Electrical Machines-III	3	1	-	4	30	70	3	3
2.	PC602EE	Microprocessors and Microcontrollers	3	1	-	4	30	70	3	3
3.	PC603EE	Switchgear and Protection	3	-	-	3	30	70	3	3
4.	PC604EE	Renewable Energy Technologies	3	-	-	3	30	70	3	3
5.	PE-II	Professional Elective-II	3	-	-	3	30	70	3	3
6.	OE-I	Open Elective-I	3	-	-	3	30	70	3	3
<b>Practical / Laboratory Courses</b>										
7.	PC651EE	Electrical Machines lab-II	-	-	2	2	25	50	3	1
8.	PC652EE	Digital signal Processing Lab	-	-	2	2	25	50	3	1
9.	PC653EE	Control systems lab	-	-	2	2	25	50	3	1
10.	MC	Mandatory Course			3	3	50	-		-
11.	SI	Summer Internship*								
			<b>18</b>	<b>2</b>	<b>9</b>	<b>29</b>	<b>305</b>	<b>570</b>		<b>21</b>

**Professional Elective-II**

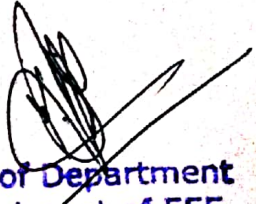
PE601EE	AI Techniques
PE602EE	Electric Distribution System
PE603EE	Digital Control systems

**Mandatory course**

MC951SP	Yoga Practice
MC951SP	National Service Scheme
MC951SP	Sports

**Open Elective-1**

OE601CE	Disaster Management
OE602CE	Geospatial Techniques
OE601CS	Operating Systems
OE602CS	OOPS using JAVA
OE601EC	Embedded Systems
OE602EC	Digital System Design Using Verilog HDL
OE601EE	Reliability Engineering**
OE602EE	Basics of Power Electronics**
OE601ME	Industrial Robotics
OE602ME	Material Handling
OE601LA	Intellectual Property Rights

  
**Head of Department**  
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**Methodist College of Engg & Tech.**  
**Abids, Hyderabad-500 001.**

**SCHEME OF INSTRUCTION & EXAMINATION**  
**B.E.VII- SEMESTER (CBCS)**  
**(Electrical & Electronics Engineering)**

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/Week	CIE	SEE	Duration in Hours	
<b>Theory Course</b>										
1.	PC701EE	Power System Operation and Control	3	1	-	4	30	70	3	3
2.	PC702EE	Electric Drives and Static Control	3	1	-	4	30	70	3	3
3.	PC703EE	Electrical Machine Design	3	1	-	4	30	70	3	3
4.	OE-II	Open Elective - II	3	-	-	3	30	70	3	3
5.	OE-III	Open Elective - III	3	-	-	3	30	70	3	3
<b>Practical's / Laboratory Course</b>										
6.	PC751EE	Electrical Simulation Lab	-	-	2	2	25	50	3	1
7.	PC752EE	Microprocessor and Microcontrollers Lab	-	-	2	2	25	50	3	1
8.	PW761EE	Project Work -I	-	-	2	2	50	-	-	2
9.	SI	Summer Internship( Evaluation)	-	-	2	2	50	-	-	2
<b>Total</b>			<b>15</b>	<b>03</b>	<b>8</b>	<b>13</b>	<b>300</b>	<b>450</b>	<b>-</b>	<b>21</b>

OPEN ELECTIVE-II	
OE701 CE	Green Building Technologies
OE701CS	Database Management Systems
OE702 EC	Fundamentals of IoT
OE701EE	Non-Conventional Energy Sources**
OE701ME	Entrepreneurship

OPEN ELECTIVE-III	
OE702CE	Road Safety Engineering
OE703CS	Data Science Using R Programming
OE703EC	Global and Regional Satellite Navigation Systems
OE702 EE	Illumination and Electric Traction systems**
OE702ME	Mechatronics

\*OE701 & OE801EE Elective is not offered to the students of EE Department

HS: Humanities and Sciences  
 Science MC: Mandatory Course  
 L: Lecture  
 CIE: Continuous Internal Evaluation

BS: Basic Science  
 PC: Professional Core  
 P: Practical

ES: Engineering

D: Drawing

SEE: Semester End Examination (Univ. Exam)

**SCHEME OF INSTRUCTION & EXAMINATION**  
**B.E.VIII- SEMESTER (CBCS)**  
**(Electrical & Electronics Engineering)**

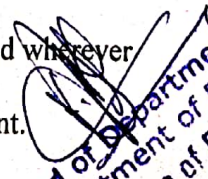
S. No.	Course Code	Course Title	Scheme of Instructions				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/Week	CIE	SEE	Duration in Hours	
<b>Theory Course</b>										
1	PC801EE	Utilization of Electrical Energy	3	-	-	3	30	70	3	3
2	PE-III	Professional Elective- III	3	-	-	3	30	70	3	3
3	PE-IV	Professional Elective- IV	3	-	-	3	30	70	3	3
<b>Practical's / Laboratory Course</b>										
4.	PC851EE	Power Systems Lab	-	-	2	2	25	50	3	1
5.	PW861EE	Project Work- II	-	-	6	2	50	100	-	8
<b>Total</b>			<b>09</b>	<b>00</b>	<b>08</b>	<b>13</b>	<b>165</b>	<b>360</b>		<b>18</b>

PROFESSIONAL ELECTIVE-III	
PE801EE	Power System Reliability
PE802EE	Electric Vehicle and Hybrid Electric Vehicle
PE803EE	Machine Modeling Analysis
PE804EE	High Voltage DC Transmission

PROFESSIONAL ELECTIVE-IV	
PE805EE	Advanced Control Systems
PE806EE	Electrical Estimation Costing & Safety
PE807EE	Advanced Power Electronics
PE808EE	Power Quality

**HS:** Humanities and Sciences**BS:** Basic Science**ES:** Engineering**ScienceMC:** Mandatory Course**PC:** Professional Core**L:** Lecture**T:** Tutorial**P:** Practical**D:** Drawing**CIE:** Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)**Note:**

- Each contact hour is a Clock Hour
- The duration of the practical class is two clock hours, however it can be extended whenever necessary, to enable the student to complete the experiment
- \*\* Open Elective Subject is not offered to the students of EEE & EIE Department.

  
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