

# ***B.TECH EEE PROGRAMME***

***(Regulations 2008 Semester Pattern)***

## Semester – I

<b>Subject Code</b>	<b>Subject Title</b>
BEEE 101	English I
BEEE 102	Mathematics – I
BEEE 103	Engineering Graphics
BEEE 104	Basic Electrical and Electronics Engineering
BEEE 105	Computer Fundamentals & Programming
BEEE 106	Basic Mechanical and Civil
BEEE 107 P	Workshop
BEEE 108 P	Language lab

## Semester - II

<b>Subject Code</b>	<b>Subject Title</b>
BEEE 201	English II
BEEE 202	Maths II
BEEE 203	Electron Devices
BEEE 204	Basic C programming
BEEE 205	Entrepreneurship training
BEEE 206	Engineering Mechanics
BEEE 207 P	C Programming Lab
BEEE 208 P	Applied Electronics/ Mechanical/Computer Lab

### **SEMESTER – III**

<b>Course Code</b>	<b>Course Title</b>
BEEE 301	Electric Circuit Theory
BEEE 302	Mathematics-III
BEEE 303	Computer Architecture
BEEE 304	Field theory
BEEE 305	Electrical machines-1
BEEE 306	Electronic Circuits
BEEE 307P	Electrical Machines-1 lab
BEEE 308P	Electrical Circuits Lab

### **SEMESTER –IV**

<b>Course Code</b>	<b>Course Title</b>
BEEE 401	Electrical machines-II
BEEE 402	Power systems-I
BEEE 403	Control system-1
BEEE 404	Network analysis & synthesis
BEEE 405	Data structure & algorithms
BEEE 406	Numerical methods
BEEE 407P	Electrical Machines lab-II
BEEE 408P	Control system-lab

### **5th SEMESTER**

<b>Course Code</b>	<b>Course Title</b>
BEEE 501	Power Electronics
BEEE 502	Power Systems-Ii
BEEE 503	Control System -Ii
BEEE 504	Electrical Measurements & Instrumentation
BEEE 505	Oops
BEEE 506	Linear Integrated Circuits
BEEE 507P	Power Electronics Lab
BEEE 508P	Oops Lab

### **SYLLABUS FOR SIXTH SEMESTER**

Course Code	Course Title
BEEE 601	Electrical Machine Design
BEEE 602	Principles Of Management
BEEE 603	Digital Electronics
BEEE 604	Microprocessor & Microcontroller
BEEE 605	Solid States Drives
BEEE 606	High Voltage Engineering
BEEE 607P	Measurements & Instrumentation Lab
BEEE 608P	Linear Integrated Circuits And DLC Lab

### **SEVENTH SEMESTER**

Course Code	Course Title
BEEE 701	Power System Analysis
BEEE 702	Utilization Of Electrical Energy
BEEE 703 E0	Elective-I
BEEE 704 E0	Elective-II
BEEE 705 E0	Elective-III
BEEE 706	Power System Operation And Control
BEEE 707P	Power System analysis Lab
BEEE 708P	Microprocessor & Microcontroller Lab

### **EIGHTH SEMESTER**

Course Code	Course Title
BEEE 801	Assigned Project

### **LIST OF ELECTIVES FOR SEVENTH SEMESTER**

#### **Elective I**

BEEE 703 E 01	Power Quality
BEEE 703 E 02	Special Electrical Machines
BEEE 703 E 03	Advanced Power Electronic Systems
BEEE 703 E 04	Neural Network And Fuzzy Logic Control

#### **Elective II**

BEEE 704 E01	Solid State Relays
BEEE 704 E02	EHV Ac & Dc Transmission Engineering
BEEE 704 E03	Microcontroller And Its Applications
BEEE 704 E04	Power System Transients

#### **Elective III**

BEEE 705 E01	Professional Ethics
BEEE 705 E02	Bio Medical Instrumentation
BEEE 705 E03	Communication Engineering
BEEE 705 E04	Artificial Intelligence And Expert Systems