

**VEERAYATAN INSTITUTE OF ENGINEERING  
ELECTRICAL ENGINEERING**

Division-wise Teaching Scheme for BE- I,II,III, IV,V,VI,VII & VIII

**1<sup>st</sup> ELECTRICAL**

Sr No	SUBJECT CODE	NAME OF SUBJECT	LECTURE	TUTORIAL	PRACTICAL	TOTAL HOURS	CTS
1	3110002	English	2	0	2	4	3
2	3110014	Mathematices-I	3	2	0	5	5
3	3110003	Programming for Problem Solving	3	0	2	5	4
4	3110005	Basic Electrical Engineering	3	0	2	5	4
5	3110006	Basic Mechanical Engineering	3	0	2	5	4
6	3110007	Environmental Science	2	2	0	4	0
<b>Total</b>			<b>14</b>	<b>4</b>	<b>6</b>	<b>24</b>	<b>17</b>

**2<sup>nd</sup> ELECTRICAL**

Sr No	SUBJECT CODE	NAME OF SUBJECT	LECTURE	TUTORIAL	PRACTICAL	TOTAL HOURS	CTS
1	3110015	Mathematics -2	3	2	0	5	5
2	3110013	Engineering Graphics & Design	2	0	4	6	4
3	3110018	Physics -I	3	0	2	5	4
4	3110016	Basic Electronics	3	0	2	5	4
5	3110012	Workshop	0	0	4	4	2
<b>Total</b>			<b>11</b>	<b>2</b>	<b>12</b>	<b>25</b>	<b>19</b>

**3<sup>rd</sup> ELECTRICAL**

Sr No	SUBJECT CODE	NAME OF SUBJECT	LECTURE	TUTORIAL	PRACTICAL	TOTAL HOURS	CTS
1	2130002	Advanced Engineering Mathematics	3	2	0	5	5
2	2130004	Engineering Economics & Management	3	0	0	3	3
3	2130901	Circuits & Networks	4	0	2	6	6
4	2130902	Analog Electronics	3	0	2	5	5
5	2130903	Electrical Measurement and Measuring Instruments	3	0	2	5	5
6	2130904	DC Machines and Transformer	4	0	2	6	6
7	2130005	Design Engineering - I A	0	0	3	3	3
<b>Total</b>			<b>20</b>	<b>2</b>	<b>11</b>	<b>33</b>	<b>33</b>

**4<sup>th</sup> ELECTRICAL**

Sr No	SUBJECT CODE	NAME OF SUBJECT	LECTURE	TUTORIAL	PRACTICAL	TOTAL HOURS	CTS
1	2140910	Digital Electronics	3	0	2	5	5
2	2140906	AC Machines	4	0	2	6	6
3	2140907	Applied Thermal and Hydraulic Engineering	3	0	0	3	3
4	2140908	Electrical Power Generation	4	0	2	6	6
5	2140909	Field Theory	3	2	0	5	5
6	2141005	Signals and Systems	3	0	2	5	5
7	2140002	Design Engineering - I B	0	0	3	3	3
<b>Total</b>			<b>20</b>	<b>2</b>	<b>11</b>	<b>33</b>	<b>33</b>

**5<sup>th</sup> ELECTRICAL**

Sr No	SUBJECT CODE	NAME OF SUBJECT	LECTURE	TUTORIAL	PRACTICAL	TOTAL HOURS	CTS
1	2150903	Power Electronics - I	3	0	2	5	5
2	2150907	Microprocessor and Microcontroller Architecture & Interfacing	4	0	2	6	6
3	20150908	Electrical Power System - I	3	0	0	3	3
4	2150909	Control System Engineering	4	0	2	6	6
5	2150904	Elements of Electrical Design	2	0	2	4	4
6	2150001	Design Engineering - II A	0	0	3	3	3
7	2150002	Institute Elective - Cyber Security	1	0	2	3	3
			17	0	13	30	30

**6<sup>th</sup> ELECTRICAL**

Sr No	SUBJECT CODE	NAME OF SUBJECT	LECTURE	TUTORIAL	PRACTICAL	TOTAL HOURS	CTS
1	2160902	Power Electronics - II	3	0	2	5	5
2	2160912	Design of DC Machines and Transformer	3	0	2	5	5
3	2160904	High Voltage Engineering	3	0	2	5	5
4	2160907	Utilization of Electrical Energy and Traction	3	0	0	3	3
5	2160908	Electrical Power system - II	3	0	2	5	5
6	2160913	Control Electrical Drives(Departmental Elective-I)	3	0	2	5	5
7	2160001	Design Engineering - II B	0	0	3	3	3
<b>Total</b>			18	0	13	31	31

**7<sup>th</sup> ELECTRICAL**

Sr No	SUBJECT CODE	NAME OF SUBJECT	LECTURE	TUTORIAL	PRACTICAL	TOTAL HOURS	CTS
1	2170909	Design of AC Machine	3	0	2	5	5
2	2170908	Switch Gear & Protection	4	0	2	6	6
3	2170901	Inter Connected Power System	3	0	2	5	5
4	2170913	Industrial Instrumentation (Departmental Elective II)	3	0	2	5	5
5	2170004	Project -I	0	0	8	8	8
			13	0	16	29	29

**8<sup>th</sup> ELECTRICAL**

Sr No	SUBJECT CODE	NAME OF SUBJECT	LECTURE	TUTORIAL	PRACTICAL	TOTAL HOURS	CTS
1	2180901	Testing and Commissioning of Electrical Equipments	3	0	2	5	5
2	2180903	Power System Planning and Design	3	0	2	5	5
3	2180905	Project	0	0	10	10	10
4	2180911	Power Quality and Management (Departmental Elective- III)	3	0	2	5	5
5	2180909	Power System Operation and Control	4	0	0	4	4
Total			13	0	16	29	29

CTS: Credit as per GTU Teaching Scheme







