



**SAGE UNIVERSITY, INDORE**  
**Institute Name :- Institute of Engineering and Technology**  
**Department:- Electrical Engineering**  
**PROGRAM STRUCTURE**  
**CHOICE BASED CREDIT SYSTEM**  
**Effective For ACADEMIC SESSION: 2024-25**

**Program :-Diploma in Electrical Engineering**

**Semester: I**

**For Admission Batch: 2022-23, 2023-24, 2024-25**

**Subject wise Distribution of Marks and corresponding Credits**

S.No.	Subject Code	Subject Title	Maximum Marks Allotted											Total		
			Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L		T	P	NTCC			
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/WPR	Attendance /Assignment/viva / Lab manual/					Studio /Field Work/ outreach			
1	DBSNOCOS001T	Communication Skills	60	20	20	-	-	-	100	3	1	-	-	4	4	
2	DBSNOPHY001T	Physics	60	20	20	-	-	-	100	3	1	-	-	4	4	
3	DBSNOMAT001T	Mathematics I	60	20	20	-	-	-	100	3	1	-	-	4	4	
4	DMENOENG001T	Engineering Graphics	60	20	20	-	-	-	100	1	-	-	-	1	1	
5	DECNOPRA001N	Professional Activity	-	-	-	-	20	30	50	-	-	-	2	1	1	
6	DBSNOPHY001P	Physics(P)	-	-	-	30	10	10	50	-	-	2	-	1	1	
7	DBSNOCOS001P	Communication Skills (P)	-	-	-	30	10	10	50	-	-	2	-	1	1	
8	DMENOWSP001P	Workshop Practice(P)	-	-	-	30	10	10	50	-	-	4	-	2	4	
9	DECNORUO001N	Rural Outreach	-	-	-	-	20	30	50	-	-	-	2	1	1	
10	DMENOENG001P	Engineering Graphics Lab	-	-	-	30	10	10	50	-	-	6	-	3	3	
		<b>Total</b>	<b>240</b>	<b>80</b>	<b>80</b>	<b>120</b>	<b>80</b>	<b>100</b>	<b>700</b>	<b>10</b>	<b>3</b>	<b>14</b>	<b>4</b>	<b>22</b>	<b>24</b>	

**NOTE: NTCC assessment shall be as per NTCC Guidelines. [NTCC: Field work/Major & Minor Project/Studio/Outreach/Term Paper/ Assignment/ Seminar/Policy Debate/Internship].** One credit of NTCC refers to Two Hours of activities in the chosen area.  
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**Effective For ACADEMIC SESSION: 2024-25**

**Program :-Diploma in Electrical Engineering**  
**Semester: II**

**For Admission Batch: 2022-23, 2023-24, 2024-25**

**Subject wise Distribution of Marks and corresponding Credits**

S.No.	Subject Code	Subject Title	Maximum Marks Allotted											Total		
			Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L		T	P	NTCC			
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/WPR	Attendance /Assignment/viva / Lab manual/						Studio /Field Work/ outreach		
1	DMENOAPM001T	Applied Mechanics	60	20	20	-	-	-	100	3	-	-	-	3	3	
2	DBSNOMAT002T	Mathematics II	60	20	20	-	-	-	100	3	1	-	-	4	4	
3	DCSNOICC001T	Introduction To Computers	60	20	20	-	-	-	100	2	1	-	-	3	3	
4	DBSNOCHM001T	Chemistry	60	20	20	-	-	-	100	3	1	-	-	4	4	
5	DECNOBEX001T	Basic Electrical Engg. & Materials	60	20	20	-	-	-	100	3	1	-	-	4	4	
6	DECNOPRA002N	Professional Activity	-	-	-	-	20	30	50	-	-	-	2	1	1	
7	DMENOAPM001P	Applied Mechanics Lab	-	-	-	30	10	10	50	-	-	2	-	1	2	
8	DCSNOICC001P	Introduction To Computers(P)	-	-	-	30	10	10	50	-	-	2	-	1	2	
9	DBSNOCHM001P	Chemistry (P)				30	10	10	50	-	-	2		1	1	
10	DECNOBEX001P	Basic Electrical Engg. & Materials(P)				30	10	10	50	-	-	2		1	2	
11		Summer Internship/Vac Credited In III Sem	-	-	-	-	-	-	-	-	-	-		-	-	
		<b>Total</b>	<b>300</b>	<b>100</b>	<b>100</b>	<b>120</b>	<b>60</b>	<b>70</b>	<b>750</b>	<b>14</b>	<b>4</b>	<b>8</b>	<b>2</b>	<b>23</b>	<b>26</b>	

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**Effective For ACADEMIC SESSION: 2024-25**

**Program :-Diploma in Electrical Engineering**

**Semester: III**

**For Admission Batch: 2022-23, 2023-24, 2024-25**

**Subject wise Distribution of Marks and corresponding Credits**

S.No.	Subject Code	Subject Title	Maximum Marks Allotted											Total			
			Theory(100 Marks)			Studio/Practical (50 Marks)					Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L	T		P	NTCC				
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/WPR	Attendance /Assignment/viva / Lab manual/						Studio /Field Work/ outreach			
1	DECNOEXC001T	Electrical Circuits	60	20	20	-	-	-	100	2	1	-	-	3	3		
2	DECNOEEX001T	Electrical Machines-I	60	20	20	-	-	-	100	2	1	-	-	3	3		
3	DECNOEMI001T	Elect. & Electronics Measurement And Measuring Instruments	60	20	20	-	-	-	100	2	1	-	-	3	3		
4	DECNOBEC001T	Basic Electronics	60	20	20	-	-	-	100	2	1	-	-	3	3		
5	DECNOPRA003N	Professional Activities	-	-	-	-	20	30	50	-	-	-	2	1	1		
6	DECNOEXC001P	Electrical Circuits(P)	-	-	-	30	10	10	50	-	-	2	-	1	2		
7	DECNOEEX001P	Electrical Machines-I(P)	-	-	-	30	10	10	50	-	-	2	-	1	2		
8	DECNOEMI001P	Elect. & Electronics Measurement And Measuring Instruments	-	-	-	30	10	10	50	-	-	2	-	1	2		
9	DECNOBEC001P	Basic Electronics	-	-	-	30	10	10	50	-	-	2	-	1	2		
10	DECNOINP001N	Summer Internship/Vac Held In II Sem	-	-	-	-	20	30	50	-	-	-	4	2	2		
		<b>Total</b>	<b>240</b>	<b>80</b>	<b>80</b>	<b>120</b>	<b>80</b>	<b>100</b>	<b>700</b>	<b>8</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>19</b>	<b>23</b>		

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**Effective For ACADEMIC SESSION: 2024-25**

**Program :-Diploma in Electrical Engineering**

**Semester: IV**

**For Admission Batch: 2022-23, 2023-24, 2024-25**

**Subject wise Distribution of Marks and corresponding Credits**

S.No.	Subject Code	Subject Title	Maximum Marks Allotted										Total			
			Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L		T	P	NTCC			
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/WPR	Attendance /Assignment/viva / Lab manual/						Studio /Field Work/ outreach		
1	DECNOEEX002T	Electrical Machines – II	60	20	20	-	-	-	100	2	1	-	-	3	3	
2	DMENOBME001T	General Mechanical Engg	60	20	20	-	-	-	100	2	1	-	-	3	3	
3	DECNOEED001T	Electrical Engg. Drawing	60	20	20	-	-	-	100	2	1	-	-	3	3	
4	DECNOGTD001T	Generation, Transmission And Distribution	60	20	20	-	-	-	100	2	1	-	-	3	3	
5	DECNOINS001T	Instrumentation	60	20	20	-	-	-	100	2	1	-	-	3	3	
6	DECNOPRA004N	Professional Activities	-	-	-	-	20	30	50	0	0	-	2	1	1	
7	DECNOEEX002P	Electrical Machines – II(P)				30	10	10	50	0	0	2	-	1	2	
8	DMENOBME001P	General Mechanical Engg(P)				30	10	10	50	0	0	2	-	1	2	
9	DECNOINS001P	Instrumentation (P)				30	10	10	50	0	0	2	-	1	2	
10	DECNOEED001P	Electrical Engg. Drawing(P)	-	-	-	30	10	10	50	0	0	2	-	1	2	
11	DECNOGTD001P	Generation, Transmission And Distribution(P)	-	-	-	30	10	10	50	0	0	2	-	1	2	
12		Summer Internship/Vac Held In II Sem	-	-	-	-	-	-	-	-	-	-	-	-	-	
		<b>Total</b>	<b>300</b>	<b>100</b>	<b>100</b>	<b>150</b>	<b>70</b>	<b>80</b>	<b>800</b>	<b>10</b>	<b>5</b>	<b>10</b>	<b>2</b>	<b>21</b>	<b>26</b>	

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**Semester: V**

**For Admission Batch: 2022-23, 2023-24, 2024-25**

**Subject wise Distribution of Marks and corresponding Credits**

S.No.	Subject Code	Subject Title	Maximum Marks Allotted											Total			
			Theory(100 Marks)			Studio/Practical (50 Marks)					Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L	T		P	NTCC				
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/WPR	Attendance /Assignment/viva / Lab manual/						Studio /Field Work/ outreach			
1	DECNOPOP001T	Power System Operation & Protection	60	20	20	-	-	-	100	3	1	-	-	4	3		
2	DECNOPEA001T	Power Electronics & Application	60	20	20	-	-	-	100	3	1	-	-	4	3		
3	DECNOUEP001T	Utilization Of Electrical Power	60	20	20	-	-	-	100	3	1	-	-	4	3		
4	DMENOEMM001T	Entrepreneurship / Marketing Management	60	20	20	-	-	-	100	3	1	-	-	4	3		
5	DECNOPRA005N	Professional Activities	-	-	-	-	20	30	50	0	0	-	2	1	2		
6	DECNOPOP001P	Power System Operation & Protection(P)	-	-	-	30	10	10	50	0	0	2	-	1	2		
7	DECNOPEA001P	Power Electronics & Application(P)	-	-	-	30	10	10	50	0	0	2	-	1	2		
8	DECNOUEP001P	Utilization Of Electrical Power(P)	-	-	-	30	10	10	50	0	0	2	-	1	2		
9	DECNOINP002N	Summer Internship/Vac	-	-	-	-	20	30	50	-	-	-	4	2	4		
		<b>Total</b>	<b>240</b>	<b>80</b>	<b>80</b>	<b>90</b>	<b>70</b>	<b>90</b>	<b>650</b>	<b>12</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>22</b>	<b>24</b>		

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**Program :-Diploma in Electrical Engineering**

**Semester: VI**

**For Admission Batch: 2022-23, 2023-24, 2024-25**

**Subject wise Distribution of Marks and corresponding Credits**

S.No.	Subject Code	Subject Title	Maximum Marks Allotted											Total			
			Theory(100 Marks)			Studio/Practical (50 Marks)					Total Marks	Hours/week				Credits	Hours
			End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L	T		P	NTCC				
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/WPR	Attendance /Assignment/viva / Lab manual/						Studio /Field Work/ outreach			
1	DECNOECM001T	Energy Conservation and Management	60	20	20	-	-	-	100	3	1	-	-	4	4		
2	DECNOIMC001T	Installation, Maintenance and Testing	60	20	20	-	-	-	100	3	1	-	-	4	4		
3	DECNOEPC001T	Electric Traction / Programmable Logic Controller	60	20	20	-	-	-	100	3	1	-	-	4	4		
4	DECNOEAC001T	Estimating & Costing	60	20	20	-	-	-	100	3	1	-	-	4	4		
5	DECNOMPI001P	Project(P)	-	-	-	50	20	30	100	-	-	6	-	3	6		
6	DECNOPRA006N	Professional Activities	-	-	-	-	20	30	50	-	-	-	2	1	2		
7	DECNOIMC001P	Installation, Maintenance and Testing(P)	-	-	-	30	10	10	50	-	-	2	-	1	2		
8	DECNOEPC001P	Electric Traction / Programmable Logic Controller(P)	-	-	-	30	10	10	50	-	-	2	-	1	2		
<b>Total</b>			<b>240</b>	<b>80</b>	<b>80</b>	<b>110</b>	<b>60</b>	<b>80</b>	<b>650</b>	<b>12</b>	<b>4</b>	<b>10</b>	<b>2</b>	<b>22</b>	<b>28</b>		

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