

**Jharkhand University of Technology, Ranchi**  
**Diploma (Electrical Engineering/ Electrical & Electronics Engineering)**

**III<sup>rd</sup> Semester**

S.No.	Course Code	Course Title	Hours per week				Cr	FM	Overall Pass Marks	Internal (CIE)	External (SEE)	Categorization
			L	T	P	J						
01	EEE301	Basic of Electrical Power System	3	1	0	6	4	100	40	30	70	EEE
02	EEE302	Transmission and Distribution	3	1	0		4	100	40	30	70	EEE
03	EEE303	Switchgear and Protection	3	1	0		4	100	40	30	70	EEE
04	EEE304	Analog and Digital Electronics	3	1	0		4	100	40	30	70	EEE
<b>Total</b>			<b>12</b>	<b>4</b>	<b>0</b>		<b>16</b>	<b>400</b>	--	--	--	--
<b>Practical</b>			<b>L</b>	<b>T</b>	<b>P</b>		<b>Cr</b>	<b>FM</b>		<b>Internal</b>	<b>External</b>	<b>Categorization</b>
05	EEE301P	Basic of Electrical Power System	0	0	4		2	50	25	30	20	EEE
06	EEE302P	Transmission and Distribution	0	0	4		2	50	25	30	20	EEE
07	EEE303P	Switchgear and Protection	0	0	4		2	50	25	30	20	EEE
08	EEE304P	Analog and Digital Electronics	0	0	4		2	50	25	30	20	EEE
<b>Total</b>			<b>0</b>	<b>0</b>	<b>16</b>	<b>8</b>	<b>200</b>	--	--	--	--	
<b>Audit Course</b>			<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>	<b>FM</b>		<b>Internal</b>	<b>External</b>	<b>Categorization</b>	
09	AUC301	Professional Skills	3	0	0	Passing in Audit Course shall be mandatory.						
10	AUC301P	Sports/NCC/NSS/YOGA/Painting/ Music/Classical Dance	6			Student shall participate actively in one of the activities and for Passing of the semester "Participation Certificate" in activity will be mandatory. Student participation shall be monitored and participation record shall be maintained at institute level.						
<b>Total</b>			<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	--	--	--	--	--	
<b>Grand Total</b>			<b>12</b>	<b>4</b>	<b>23</b>	<b>6</b>	<b>24</b>	<b>600</b>	--	--	--	--

\*EE/EEE: - Electrical Engineering/ Electrical & Electronics Engineering, AUC- Audit Course; L: Lecture, T: Tutorial, P: Practice, CIE- Continuous Internal Evaluation, SEE- Semester End Evaluation.

J- Self learning hours shall not be reflected in the Time table. Self-learning includes micro project/ assignment/ other activities as mentioned in earlier semester.

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**Diploma (Electrical Engineering/ Electrical & Electronics Engineering)**

**IV<sup>th</sup> Semester**

S.No.	Course Code	Course Title	Hours per week				Cr	FM	Overall Pass Marks	Internal (CIE)	External (SEE)	Categorization
			L	T	P	J						
01	EEE401	Electric Motors	3	1	0	6	4	100	40	30	70	EEE
02	EEE402	Power Electronics	3	1	0		4	100	40	30	70	EEE
03	EEE403	Fundamentals of Automation Technology	3	1	0		4	100	40	30	70	EEE
04	EEE404	Computer Aided Electrical Drafting (CAED)	3	1	0		4	100	40	30	70	EEE
<b>Total</b>			<b>12</b>	<b>4</b>	<b>0</b>		<b>16</b>	--	--	--	--	--
<b>Practical</b>			<b>L</b>	<b>T</b>	<b>P</b>		<b>Cr</b>	<b>FM</b>		<b>Internal</b>	<b>External</b>	<b>Categorization</b>
05	EEE401P	Electric Motors	0	0	4		2	50	25	30	20	EEE
06	EEE402P	Power Electronics	0	0	4		2	50	25	30	20	EEE
07	EEE403P	Fundamentals of Automation Technology	0	0	4		2	50	25	30	20	EEE
08	EEE404P	Computer Aided Electrical Drafting (CAED)	0	0	4		2	50	25	30	20	EEE
<b>Total</b>			<b>0</b>	<b>0</b>	<b>16</b>		<b>8</b>	<b>200</b>	--	--	--	--
<b>Audit Course</b>			<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>	<b>FM</b>		<b>Internal</b>	<b>External</b>	<b>Categorization</b>	
09	AUC401	Mastering Personal Finance (Basic to Advance Strategies)	3	0	0	Passing in Audit Course shall be mandatory.						
10	AUC401P	Sports/NCC/NSS/YOGA/Painting/ Music/Classical Dance	6			Student shall participate actively in one of the activities and for Passing of the semester "Participation Certificate" in activity will be mandatory. Student participation shall be monitored and participation record shall be maintained at institute level.						
11	INT401P	Summer Internship	6-8 Weeks			2	--	--	<b>1/0</b>	--	INT	
<b>Total</b>			<b>3</b>	<b>0</b>	<b>0</b>	<b>2</b>	--	--	--	--	--	
<b>Grand Total</b>			<b>15</b>	<b>4</b>	<b>16</b>	<b>6</b>	<b>26</b>	<b>600</b>	--	--	--	

**Note-**

1. EE/EEE: - Electrical Engineering/ Electrical & Electronics Engineering, AUC- Audit Course; L: Lecture, T: Tutorial, P: Practice, CIE- Continuous Internal Evaluation, SEE- Semester End Evaluation.
2. INT- Internship (Completion of internship will be marked as-1; Non-completion of internship will be marked as-0 by the institution; The submitted write up & presentation record shall be kept safely by the institution).
3. J- Self learning hours shall not be reflected in the Time table. Self-learning includes Micro project/ assignment/ other activities as mentioned in earlier semester.