

**Jharkhand University of Technology, Ranchi**  
**Diploma (Electronics & Communication 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	<a href="#">ECE301</a>	Analog Electronics	3	1	0	6	4	100	40	30	70	ECE
02	<a href="#">ECE302</a>	Logic Design using Verilog	3	1	0		4	100	40	30	70	ECE
03	<a href="#">ECE303</a>	Communication Systems	3	1	0		4	100	40	30	70	ECE
04	<a href="#">ECE304</a>	Electronics Measurements and Testing Techniques	3	1	0		4	100	40	30	70	ECE
<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	ECE301P	Analog Electronics	0	0	4		2	50	25	30	20	ECE
06	ECE302P	Logic Design using Verilog	0	0	4		2	50	25	30	20	ECE
07	ECE303P	Communication Systems	0	0	4		2	50	25	30	20	ECE
08	ECE304P	Electronics Measurements and Testing Techniques	0	0	4		2	50	25	30	20	ECE
<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	AUC302P	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>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	--	--	--	--	--	
<b>Grand Total</b>			<b>15</b>	<b>4</b>	<b>16</b>	<b>6</b>	<b>24</b>	<b>600</b>	--	--	--	

\*ECE: Electronics & Communication 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 (Electronics & Communication 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	<a href="#">ECE401</a>	PCB Design & Fabrication	3	1	0	6	4	100	40	30	70	ECE
02	<a href="#">ECE402</a>	Wireless Communication	3	1	0		4	100	40	30	70	ECE
03	<a href="#">ECE403</a>	Embedded C Programming	3	1	0		4	100	40	30	70	ECE
04	<a href="#">ECE404</a>	Industrial Automation	3	1	0		4	100	40	30	70	ECE
<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	ECE401P	PCB Design & Fabrication	0	0	4		2	50	25	30	20	ECE
06	ECE402P	Wireless Communication	0	0	4		2	50	25	30	20	ECE
07	ECE403P	Embedded C Programming	0	0	4		2	50	25	30	20	ECE
08	ECE404P	Industrial Automation	0	0	4		2	50	25	30	20	ECE
<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>Total</b>			<b>3</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	
<b>Grand Total</b>			<b>15</b>	<b>4</b>	<b>16</b>	<b>6</b>	<b>26</b>	<b>600</b>	<b>--</b>	<b>--</b>	<b>--</b>	

**Note-**

1. CSE- Computer Science 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.