

**Shri G.S. Institute of Technology & Science**  
**Scheme of Examination (Applicable form 2018-19)**  
**Bachelor of Engineering in Electronics and Telecommunication Engineering**

**Semester: I**

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted				Total Marks		Credits		Total Credits
				L	T	P	Theory		Practical				T	P	
							Th.	CW	SW	Pr.					
1	MA 10001	BSC	Mathematics - I	3	1	0	70	30	0	0	100	4	0	4	
2	PH 10006	BSC	Physics	3	0	2	70	30	20	30	150	3	1	4	
3	CE 10003	ESC	Fundamentals of Civil Engineering & Applied Mechanics	3	0	2	70	30	20	30	150	3	1	4	
4	ME 10149	ESC	Engineering Graphics	2	0	4	70	30	40	60	200	2	2	4	
5	EE 10005	ESC	Fundamentals of Electrical Engineering	3	0	2	70	30	20	30	150	3	1	4	
6	CH 10200*	MC	Environmental Science(Audit Only)	-	-	-	-	-	-	-	-	-	-	-	
			<b>Total</b>	<b>14</b>	<b>1</b>	<b>10</b>	<b>350</b>	<b>150</b>	<b>100</b>	<b>150</b>	<b>750</b>	<b>15</b>	<b>5</b>	<b>20</b>	

**Induction program of 3 week duration in July-Aug 2018**

**Semester: II**

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted				Total Marks		Credits		Total Credits
				L	T	P	Theory		Practical				T	P	
							Th.	CW	SW	Pr.					
1	MA 10501	BSC	Mathematics – II	3	1	0	70	30	0	0	100	4	0	4	
2	CH 10506	BSC	Chemistry	3	0	2	70	30	20	30	150	3	1	4	
3	HU 10651	HSMC	Technical English	3	0	2	70	30	20	30	150	3	1	4	
4	CO 10504	ESC	Computer Programming	3	0	2	70	30	40	60	200	3	1	4	
5	ME 10649	ESC		3	0	2	70	30	20	30	150	3	1	4	
6	IP10581	ESC	Manufacturing Practices	0	1	4	0	0	40	60	100	0	3	3	
7	HU10700*	MC	Universal Human Values	-	-	-	-	-	-	-	-	-	-	-	
			<b>Total</b>	<b>15</b>	<b>2</b>	<b>12</b>	<b>350</b>	<b>150</b>	<b>140</b>	<b>210</b>	<b>850</b>	<b>16</b>	<b>7</b>	<b>23</b>	

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**Semester: III**

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted				Total Marks	Credits		Total Credits
				L	T	P	Theory		Practical			T	P	
							Th.	CW	SW	Pr.				
1	MA25014	BSC	Mathematics-III	3	1	-	70	30	0	0	100	4	-	4
2	EC25016	PCC	Electronics Devices	3	-	2	70	30	40	60	200	3	1	4
3	EC25017	PCC	Signals and Systems	3	-	-	70	30	0	0	100	3	-	3
4	EE 25004	PCC	Network Theory & Analysis	3	-	2	70	30	40	60	200	3	1	4
5	EC25018	PCC	Digital System Design	3	-	2	70	30	40	60	200	3	1	4
6	HU25005	HSMC	Economics for Engineers	3	-	-	70	30	0	0	100	3	-	3
<b>Total</b>				<b>18</b>	<b>1</b>	<b>6</b>	<b>420</b>	<b>180</b>	<b>120</b>	<b>180</b>	<b>900</b>	<b>19</b>	<b>3</b>	<b>22</b>

**Semester: IV**

S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted				Total Marks	Credits		Total Credits
				L	T	P	Theory		Practical			T	P	
							Th.	CW	SW	Pr.				
1	MA25563	BSC	Mathematics-IV	3	1	-	70	30	0	0	100	4	-	4
2	EC25566	BSC	Probability Theory and Stochastic Processes	3	-	-	70	30	0	0	100	3	-	3
3	EC25564	PCC	Electromagnetic Waves	3	-	-	70	30	0	0	100	3	-	3
4	EC25565	PCC	Analog Circuits	3	-	2	70	30	40	60	200	3	1	4
5	EC25567	PCC	Analog and Digital Communication	3	-	2	70	30	40	60	200	3	1	4
6	EC25568	ESC	Electronics Workshop	-	-	4	0	0	40	60	100	-	2	2
7	HU25881	HSMC	Values, Humanities and professional ethics	-	3	-	-	-	-	-	-	-	2	2
<b>Total</b>				<b>15</b>	<b>4</b>	<b>8</b>	<b>560</b>	<b>150</b>	<b>120</b>	<b>180</b>	<b>800</b>	<b>16</b>	<b>6</b>	<b>22</b>

<b>Internship 1</b>	<b>2-4 Weeks</b>
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**Shri G.S. Institute of Technology & Science**  
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**Semester: V**

S. No.	Subject Co	Category	Subject Name	Hours /Week			Maximum Marks allotted				Total Marks	Credits		Total Credits
				L	T	P	Theory		Practical			T	P	
							Th.	CW	SW	Pr.				
1	EC35008	PCC	Microprocessors and Microcontrollers	3	-	2	70	30	40	60	200	3	1	4
2	EC35009	PCC	Antenna and Wave Propagation	3	-	2	70	30	40	60	200	3	1	4
3	EC35010	PCC	VLSI Design	3	-	2	70	30	40	60	200	3	1	4
4	EC35011	PCC	Data communication	3	-	-	70	30	0	0	100	3	-	3
5		PEC-1	Program Elective (PEC-1)	3	-	2	70	30	40	60	200	3	1	4
6	EC35481		Evaluation of Internship-1	-	-	6	0	0	100	0	100	-	-	2
			<b>Total</b>	<b>15</b>	<b>0</b>	<b>14</b>	<b>350</b>	<b>150</b>	<b>260</b>	<b>240</b>	<b>1000</b>	<b>15</b>	<b>4</b>	<b>21</b>

**Semester: VI**

S. No.	Subject Co	Category	Subject Name	Hours /Week			Maximum Marks allotted				Total Marks	Credits		Total Credits
				L	T	P	Theory		Practical			T	P	
							Th.	CW	SW	Pr.				
1	EE35510	PCC	Control Systems	3	-	-	70	30	0	0	100	3	-	3
2	EC35511	PCC	Mobile Communication	3	-	-	70	30	0	0	100	3	-	3
3	EC35513	PCC	Computer Networks	3	-	2	70	30	40	60	200	3	1	4
4	EC35514	PCC	Applied Digital Signal Processing	3	-	2	70	30	40	60	200	3	1	4
5		PEC-2	Program Elective (PEC-2)	3	-	2	70	30	40	60	200	3	1	4
6	EC35881	ESC	Electronics design & Simulation	-	-	4	0	0	40	60	100	-	2	2
			<b>Total</b>	<b>15</b>	<b>0</b>	<b>10</b>	<b>350</b>	<b>150</b>	<b>160</b>	<b>240</b>	<b>900</b>	<b>15</b>	<b>5</b>	<b>20</b>

<b>Internship 2</b>	<b>2-4 Weeks</b>
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PEC 1	PEC 2
1. Data Structure & Operating system (CO35251)	1. Embedded Systems (EC35651)
2. Electronics Measurement (EC35252)	2. Intelligent systems (IT35652)

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<b>Semester-VII</b>														
S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted				Total Marks	Credits		Total Credits
				L	T	P	Theory		Practical			T	P	
							Th.	CW	SW	Pr.				
1		PCC	Wireless and Mobile Networks	3	-	-	70	30	0	0	100	3	-	3
2		PEC-3	Program Elective (PEC-3)	3	-	2	70	30	40	60	200	3	1	4
3		PEC-4	Program Elective (PEC-4)	3	-	-	70	30	0	0	100	3	-	3
4		OEC-1	Open Elective (OEC-1)	3	-	-	70	30	0	0	100	3	-	3
5		HSMC	Industrial Engineering and Management	3	-	-	70	30	0	0	100	3	-	3
6		PROJ	Project Stage I (AB Group)	-	-	8	0	0	40	60	100	-	4	4
7		PROJ	Project Stage II (BA Group)	-	-	8	0	0	40	60	100	-	4	4
8			Evaluation of Internship-2	-	-	6	0	0	100	0	100	-	-	2
			<b>Total (AB / BA Group)</b>	<b>15</b>		<b>10</b>	<b>350</b>	<b>150</b>	<b>80</b>	<b>120</b>	<b>700</b>	<b>15</b>	<b>5</b>	<b>22</b>

Internship 3	<b>4-8 Weeks</b>
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<b>Semester- VIII</b>														
S. No.	Subject Code	Category	Subject Name	Hours /Week			Maximum Marks allotted				Total Marks	Credits		Total Credits
				L	T	P	Theory		Practical			T	P	
							Th.	CW	SW	Pr.				
1		PEC-5	Program Elective (PEC-5)	3	-	-	70	30	-	-	100	3	-	3
2		OEC-2	Open Elective (OEC-2)	3	-	-	70	30	0	0	100	3	-	3
3		PROJ	Project Stage I (BA GROUP)	-	-	8	0	0	40	60	100	-	4	4
4		PROJ	Project Stage II (AB GROUP)	-	-	8	0	0	40	60	100	-	4	4
5			Evaluation of Internship-3	-	-	6	0	0	100	0	100	-	-	4
			<b>Total (AB / BA Group)</b>	<b>6</b>		<b>8</b>	<b>140</b>	<b>60</b>	<b>40</b>	<b>60</b>	<b>300</b>	<b>6</b>	<b>4</b>	<b>14</b>

PEC 3	PEC 4	PEC 5	OEC 1	OEC 2
1. Microwave Devices and Circuits	1. Data Science	1. Industrial and Power Electronics	1. Internet of Things	1. Satellite and Radar Communication
2. Optical Communication	2. VLSI Technology	2. Optical Networks	2. Advanced Digital Signal Processing	2. Game theory in Wireless Communication
	3. Digital Image Processing	3. Moocs /Swayam Online Courses*	3. Moocs /Swayam Online Courses*	3. Introduction to Cryptography
	4. Moocs /Swayam Online Courses*			3. Moocs /Swayam Online Courses*