

**B.E. Semester –VII (Electronics)**  
**Proposed Choice Based Credit Grading Scheme with Holistic Student Development (CBCGS- H 2019)**  
**TCET Autonomy Scheme (w.e.f. A.Y. 2021-22)**

Course Description			Teaching Scheme (Program Specific)					Examination scheme					
S r. N o.	Course Code	Course Title	Modes of Teaching / Learning / Weightage					Credits	Modes of Continuous Assessment / Evaluation				
			Hours Per Week				Theory		Theory (100)		Practical/Oral (25/75)	Term Work (25/50)	Total
			Theory	Tutorial	Practical	Contact Hours			IA(25/15)	ESE(75/35)			
1	PCC-ELE701	Instrumentation System Design	3	-	2	5	4	25	75	25	25	150	
2	PEC-ELE701X	Professional Elective III	3	-	2@	5	4	25	75	25	25	150	
3	PEC-ELE702X	Professional Elective IV	3	-	2@	5	4	25	75	25	25	150	
4	OEC-ELE701X	Open Elective II	3	-	-	3	3	25	75	-	-	100	
5	HSMC-ELE701	Economics for Engineers	3	-	-	3	3	25	75	-	-	100	
6	PROJ-ELE701	Project I	-	-	6	6	3	-	-	25	25	50	
<b>Total</b>			<b>15</b>	<b>-</b>	<b>12</b>	<b>27</b>	<b>21</b>	<b>Total marks</b>				<b>700</b>	
Course Description			Contact Hrs. during Semester Break/ End of Semester (Between 21 <sup>st</sup> and 25 <sup>th</sup> Week)										
1	SI-ELE701	Summer Intership	-	-	-	120 *	-	-	-	-	-	-	
2	AP-ELE701	Activity Points	-	-	-	48#	-	-	-	-	-	-	
Course Description			Teaching scheme (Holistic Student Development - HSD) (Conducted in the beginning of Semester during first 3 Weeks)					Assessment/Evaluation Scheme			Term Work		
								Presentation	Report				
								AC	AC				
1	HSD-ELEPS 701	Professional Skill VII ()	15	-	30	45	2	50	25	75			
2	HSD-ELERB L701	Research Based Learning-III	-	-	30	30	1	25	25	50			
<b>Total</b>			<b>15</b>	<b>-</b>	<b>60</b>	<b>75</b>	<b>3</b>	<b>Total marks</b>		<b>125</b>			
<b>Total</b>							<b>24</b>	<b>Grand Total marks:</b>			<b>825</b>		

PROFESSIONAL ELECTIVE III			PROFESSIONAL ELECTIVE IV			OPEN ELECTIVE II	
Course Code	Course name	Domain	Course Code	Course name	Domain	Course Code	Course name
PEC-ELE7011	VLSI Design	1	PEC-ELE7021	Analog and Mixed VLSI Design	1	OEC-ELE7011	Management Information System
PEC-ELE7012	Mobile programming	2	PEC-ELE7022	Internet Programming	2	OEC-ELE7012	Human Resource Management
PEC-ELE7013	Industrial Electronics	3	PEC-ELE7023	Power Electronics and Drives	3	OEC-ELE7013	Design Thinking and Problem Solving
PEC-ELE7014	Computer Networking & Communication	4	PEC-ELE7024	Digital Signal Processing	4	OEC-ELE7014	Disaster Management & Mitigation Measure
PEC-ELE7015	Multimedia System Design	5	PEC-ELE7025	Special Electronics & Application	5	OEC-ELE7015	Research Methodology
					6	OEC-ELE7016	Operation Research

1. IA- In-Semester Assessment, ESE- End Semester Examination, PR- Practical Examination, TW – Term Work Examination, OR- Oral Examination, AC- Activity evaluation
2. @-Professional Elective Courses Lab will be conducted in the form Capstone Project
  - a. #As per AICTE, Students has to earn 100 Points by participating in 400 Hrs. of activities during 4
  - b.
  - c.
  - d.
  - e. years of Engineering. After Completing 48 hrs. of Activities, Students can earn 12 Points. This Points will not be reflected in Grade Card. Separate transcript will be issued to students after completion of Final Year.
3. \* Total hrs. mentioned should be completed till end of Semester 8. Credits will be awarded at the end of 8<sup>th</sup> Semester and will be reflected in the Grade Card of 8<sup>th</sup> Semester. Student will get 1 year span to acquire the credits. Student will submit a report at the end of 8<sup>th</sup> Semester to earn Termwork marks in internship.

Dr. Sanjay C., Patil

Chairman BOS

Dr. Deven Shah

Vice-Principal

Dr. B. K. Mishra

Principal