

**Samrat Ashok Technological Institute (Engineering. College) VIDISHA (M.P.)**  
**(An Autonomous Institute Affiliated to RGPV, Bhopal)**  
**Proposed Scheme of Examination B.Tech VII Semester E&I**  
**For batch admitted in July 2018**

S. No.	Subject Code	Category	Subject Name & Title	Maximum Marks Allotted						Contact Hrs.			Total Credits
				Theory Slot			Practical Slot			L	T	P	
				End Sem	Mid Sem. Exam	Quiz, Assignment	End Sem.	Term work Lab Work & Sessional	Total Marks				
1	EI-1871	DE	DE-4	70	20	10	-	-	100	3	1	-	4
2	EI-1872	DE	DE-5	70	20	10	-	-	100	3	1	-	4
3	EI-1873	DE	DE-6	70	20	10	-	-	100	3	-	-	3
4	EI-1874	OC	OC-3	70	20	10	-	-	100	3	-	-	3
5	EI-1875	OC	OC-4	70	20	10	-	-	100	3	-	-	3
6	EI-1876	DLC	Process Control—I				30	20	50	-	-	2	1
7	EI-1877	DLC	Internship-III (Evaluation) (personality development)	-	-	-	50	-	50	-	-	4	2
8	EI-1878	DLC	Major Project Prelim	-	-	-	100	50	150	-	-	4	2
			Total	350	100	50	180	70	750	15	2	10	22
		NLC	Participation & Winning in National level competition	-	-	-	-	-	-	-	-	-	-
		MC	Intellectual property Right(IPR)	-	-	-	-	-	-	-	-	-	-
		SL	MOOCs	-	-	-	-	-	-	-	-	-	-

MST: Minimum two mid semester tests to be conducted during Semester L: Lecture T: Tutorial P: Practical

	DE-4	DE-5	DE-6	OC-3	OC-4
<b>A</b>	Embedded System	Digital Image Processing	Process Control-I	Data Communication	Programming Data Structure & Algorithm using Python
<b>B</b>	Advanced DSP	Digital System Design using VHDL	Neural Network & Deep learning	Robotics	Artificial Intelligence and Machine learning
<b>C</b>	DSP Processors	VLSI Technology	Instrumentation System Design	Automation	IoT

