

**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**  
**New Scheme of Examination as per AICTE Flexible Curricula**  
**Bachelor of Technology (B.Tech.) Electronics & Instrumentation** (w.e.f. Jan, 2020)

**VI Semester**

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Sessional					
1.	EI601	DC	Process Instrumentation-II	70	20	10	30	20	150	2	1	2	4
2.	EI602	DC	Embedded System	70	20	10	30	20	150	2	1	2	4
3.	EI603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	EI604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	EI605	D Lab	Control System Lab	-	-	-	30	20	50	-	-	6	3
6.	EI606	O/E Lab	Software Workshop	-	-	-	30	20	50	-	-	6	3
7.	EI607	IN	Industrial Training/Internship -III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	EI608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits <sup>#</sup>	<sup>#</sup> Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
			Total	280	80	40	120	130	650	12	2	20	24

Departmental Electives	Open Electives
603 (A) DSP (Digital Signal Processing)	604(A) Internet of Things
603 (B) Power Electronics	604(B) Robotics
603(C) Nuclear Instrumentation	604(C) Oil and gas instrumentation

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit