



**SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.)**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal)

**Scheme of Examination (Semester-IV) Bachelor of Technology (B. Tech.) – Electronics and Communication Engg.**  
**for Batch Admitted in Session: 2023-24 and Onwards**

Subject Code	Subject Category	Subject Name	Maximum Marks Allotted								Contact Hrs. per week.			Total Credits
			Theory				Practical			Total Marks				
			ES	MS	Assignment	Quiz	ES	LW	Quiz					
MAB-401	BSC	Numerical Methods and Integral Transform	60	20	10	10	--	--	--	100	3	1	0	4
EC-402	DC	Analog Circuits	60	20	10	10	30	10	10	150	3	0	2	4
EC-403	DC	Antenna & Wave Propagation	60	20	10	10	30	10	10	150	3	0	2	4
EC-404	DC	Digital Communication	60	20	10	10	30	10	10	150	3	0	2	4
EC-405	DC	Control System	60	20	10	10	--	--	--	100	3	0	0	3
EC-406	DLC	Simulation Lab-I	--	--	--	--	60	20	20	100	0	2	2	3
		Total	300	100	50	50	150	50	50	750	15	3	8	22
ILC	Extracurricular Activities		Based on participation in extra curriculum activities, one credit per year to be endorsed in eight semester mark sheet											

**Internship-II (90 Hrs) External /Institute Level**

**Abbreviations:** ES-End Semester, MS-Mid Semester, LW-Laboratory Work/Assignment. (L: Lecture, T: Tutorial, P: Practical)  
BSC-Basic Science Course, ESC- Engineering Science Course, HSMC- Humanities Science and Management Course, MAC- Mandatory, Audit Course, AC- Audit Course, HEC- Holistic Education Courses: NSS/NCC/NSO, ITC- Information Technology Course, ILC-Institute Level Course, DC- Department Course, DE-Department Elective, OC- Open Course, DLC- Department Laboratory, PROJ- Project Work, VA-Value Added Course