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

Scheme of Examination (Semester-VI) Bachelor of Technology (B. Tech.) – Electronics and Communication Engg.

For Batch Admitted in session - 2023-24, 2024-25, 2025-26
(For Regular Students from January 2026 onwards Only)

Subject Code	Subject Category	Subject Name	Maximum Marks Allotted								Contact Hours			Total Credits
			Theory				Practical			Total Marks	L	T	P	
			ES	MS	Assignment	Quiz	ES	LW	Quiz					
EC-601	DC	CMOS Circuit Design	60	20	10	10	30	10	10	150	3	0	2	4
EC-602	DC	Data Communication and Computer Network	60	20	10	10	30	10	10	150	3	0	2	4
EC-603	DE	DE-2	60	20	10	10	30	10	10	150	3	0	2	4
EC-604	DE	DE-3	60	20	10	10	--	--	--	100	3	1	0	4
OE-605	OE	OE-2	60	20	10	10	--	--	--	100	3	0	0	3
EC-606	DLC	Simulation Lab III	--	--	--	--	60	20	20	100	0	0	4	2
TOTAL			**300**	**100**	**50**	**50**	**150**	**50**	**50**	**750**	**15**	**1**	**10**	**21**
	ILC	Extracurricular Activities	It is a one credit per year activity to be endorsed in eight semester mark sheet.											

Internship-III (120 Hrs) External /Institute Level

	DE -2	DE -3	OE – 2 (Open elective offered for other Branches)
A	Embedded System	Cellular and Mobile Communication	Information Theory and Coding
B	Advanced Communication	Nano Electronics and MEMS	Medical Imaging System
C	Bio signal Processing	Adaptive Signal Processing	Control System

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

30/12/2025

BoS (B.Tech. EC) | Department of Electronics Engineering | Dec 30, 2025