



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

**Scheme of Examination (Semester-I)**

**for Batch Admitted in session - 2024-25**

**Bachelor of Technology (B. Tech.) – Electronics and Instrumentation Engineering**

Subject Code	Subject Category	Subject Name	Maximum Marks Allotted								Contact Hrs.			Total Credits	
			Theory				Practical				Total Marks	L	T		P
			ES	MS	Assignment	Quiz	ES	LW	Quiz						
PYB101	BSC	Applied Physics	60	20	10	10	30	10	10	150	3	0	2	4	
EIA101	ESC	Basic Electronics	60	20	10	10	30	10	10	150	3	0	2	4	
EIA102	ESC	Fundamentals of Instrumentation	60	20	10	10	30	10	10	150	3	0	2	4	
EEA104	ESC	Electrical Machines and Transformers	60	20	10	10	--	--	--	100	3	0	0	3	
MAB101	BSC	Linear Algebra and Calculus	60	20	10	10	--	--	--	100	3	1	0	4	
ILC100	ILC	Extracurricular Activities	It is a one credit per year activity endorse in eight semester marksheet												
<b>Total</b>			<b>300</b>	<b>100</b>	<b>50</b>	<b>50</b>	<b>90</b>	<b>30</b>	<b>30</b>	<b>650</b>	<b>15</b>	<b>1</b>	<b>6</b>	<b>19</b>	
MAC101	MAC*	Universal Human Values	--	--		--	<b>60</b>	<b>20</b>	<b>20</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>Grade</b>	

MST: Minimum two mid semester tests to be conducted during Semester, MAC: Mandatory courses classes will be conducted in off hours (Weekends)

MAC	Induction Program	Non-Credit
HEC	NSS/NCC/NSO	Non-Credit

**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 Course, ITC- Information Technology Course, ILC-Institute Level Course, DC- Department Course, DE-Department Elective, OC- Open Course, DLC-  
 Department Laboratory, PROJ- Project Work