

# **Sant Gadge Baba Amravati University, Amravati**

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*Scheme of Implementation for  
Four Year Undergraduate Degree Programme in  
Engineering and Technology*

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B.E. (Bachelor of Engineering), B.Tech. (Bachelor of Technology),  
B.Text.E. (Bachelor of Textile Engineering) and other similar undergraduate  
Engineering Degree Programmes

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*in the faculty of  
Science and Technology*

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## **ACADEMIC EVALUATION SCHEME/CREDIT SYSTEM**

**Year: 2024-25**

(Scheme of Examination w.e.f. 2024-2025 and onwards)

Scheme for First Year Four Year Undergraduate Engineering Degree Programme Semester -I – [Common for all branches]													
Sr No.	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation		Practical Evaluation		Total	ESE Time Hrs.)
			L	P	T	Hrs.		IE	ESE	INT	EXT		
<b>Core Courses</b>													
1	Applied Mathematics -I (BSC)		3	0	0	3	3	40	60			100	3 Hrs.
2	Engineering Physics (BSC)		3	0	0	3	3	40	60			100	3 Hrs.
3	Computer Programming (ESC)		3	0	0	3	3	40	60			100	3 Hrs.
4	Engineering Mechanics (ESC)		3	0	0	3	3	40	60			100	3 Hrs.
<b>Laboratory Courses</b>													
5	Engineering Physics Lab (BSC)		0	2	0	2	1			25	25	50	
6	Computer Programming Lab (ESC)		0	2	0	2	1			25	25	50	
7	Engineering Mechanics Lab (ESC)		0	2	0	2	1			25	25	50	
8	Workshop (ESC)		0	2	0	2	1			25	25	50	
<b>Vocational and Skill Enhancement Courses (VSEC)</b>													
9	Technical Department Specific: Electrical Measurements & Measuring Instruments		1	2	0	3	2			50	-	50	
<b>Ability Enhancement Courses (AEC)</b>													
10	Professional Communication		1	2	0	3	2			25	25	50	
<b>Co-curricular Course (CC)</b>													
11	Co-curricular Course (CC)		0	4	0	4	2			50	-	50	
<b>TOTAL</b>			14	16	0	30	<b>22</b>					<b>750</b>	

**L:** Lecture    **P:** Practical   **T:** Tutorial   **MSE:** Mid Semester Exam    **ESE:** End Semester Exam    **IE:** Internal Evaluation    **INT:** Internal    **EXT:** External

Scheme for First Year Four Year Undergraduate Engineering Degree Programme Semester -II – [Common for all branches]													
Sr No.	Course Name	Code	Course Plan per Week (Hrs.)				Credits	Theory Evaluation		Practical Evaluation		Total	ESE Time Hrs.)
			L	P	T	Hrs.		IE	ESE	INT	EXT		
<b>Core Courses</b>													
1	Applied Mathematics -II (BSC)		3	0	0	3	3	40	60			100	3 Hrs.
2	Engineering Chemistry (BSC)		3	0	0	3	3	40	60			100	3 Hrs.
3	Basic Electrical Engineering (ESC)		3	0	0	3	3	40	60			100	3 Hrs.
4	Engineering Graphics (ESC)		2	0	0	2	2	40	60			100	3 Hrs.
<b>Laboratory Courses</b>													
5	Engineering Chemistry Lab (BSC)		0	2	0	2	1			25	25	50	
6	Basic Electrical Engineering Lab (ESC)		0	2	0	2	1			25	25	50	
7	Engineering Graphics Lab (ESC)		0	2	0	2	1			25	25	50	
<b>Vocational and Skill Enhancement Courses (VSEC)</b>													
8	Technical Department Specific: Electronic Workshop		1	2	0	3	2			50	-	50	
<b>Programme Core Course (PCC)</b>													
9	Programme Core Course: Introduction to Digital Electronics		2	0	0	2	2	20	30			50	2.00 Hrs.
<b>Indian Knowledge System (IKS)</b>													
10	Indian Traditional Knowledge		2	0	0	2	2	20	30			50	2.00 Hrs.
<b>Co-curricular Course (CC)</b>													
11	Co-curricular Course (CC)		0	4	0	4	2			50	-	50	
<b>TOTAL</b>			16	12	0	28	<b>22</b>					<b>750</b>	

L: Lecture P: Practical T: Tutorial MSE: Mid Semester Exam

ESE: End Semester Exam IE: Internal Evaluation INT: Internal EXT: E