

Proposed Course Structure of B.Tech. Programme With effect from Academic Year 2025-2026

B.Tech. Programme Course Structure

- i. The Minimum Credit Point requirement for the basic B.Tech. degree shall be 170. However, a department may add extra credit point(s) with 170 for adjusting the courses, if needed.
- ii. The total credit point requirements for the Semester I and Semester II shall be 19 credit points each.

Semester-wise Course Structure :: (i) Semester – I and Semester – II

<u>SEMESTER – I</u>				
<i>[for Civil Engg., Computer Science & Engg., and Mechanical Engg.]</i>				
Course Code	Courses Name	L-T-P	Credits	Teaching Department(s)
MA-11001	Mathematics – I	3-0-0	3	Mathematics
PH-11001	Physics	3-0-0	3	Physics
CS-11001	Programming and Data Structures	2-0-2	3	Computer Sc. & Engg.
HS-11001	English for Technical Communication	2-0-2	3	Hum. & Soc. Sc.
XX-1100Y	Professional Core 1	3-0-0	3	Respective discipline
CE-12001	Computer Aided Drawing & Graphics	1-0-2	2	Civil Engg.
PH-12001	Physics Laboratory	0-0-2	1	Physics
EA17001	To be opted from the EAA Basket		1	Institute
Total Credits			19	

<u>SEMESTER – I</u>				
<i>[for Electrical Engg., Electronics & Communication Engg., and Electronics & Instrumentation Engg.]</i>				
Course Code	Courses Name	L-T-P	Credits	Teaching Department(s)
MA-11001	Mathematics – I	3-0-0	3	Mathematics
CY-11001	Chemistry	3-0-0	3	Chemistry
ME-11001	Engineering Mechanics	3-0-0	3	Mechanical Engg.
XX-1100Y	Professional Core 1	3-0-0	3	Respective discipline
EE-11001/EC-11001	Electrical & Electronics Science	3-0-0	3	Elec. Engg. (Coordinator) Electr. & Comm. Engg.
EC-12001/EE12001	Electrical & Electronics Science Lab.	0-0-2	1	Elec. Engg. (Coordinator) Electr. & Comm. Engg.
ME-12001	Workshop Practice	0-0-3	1	Mechanical Engg.
CY-12001	Chemistry Laboratory	0-0-2	1	Chemistry
EA17001	To be opted from the EAA Basket		1	Institute
Total Credits			19	

<u>SEMESTER – II</u>				
<i>[for Electrical Engg., Electronics & Communication Engg., and Electronics & Instrumentation Engg.]</i>				
Course Code	Courses Name	L-T-P	Credits	Teaching Department(s)
MA-11002	Mathematics – II	3-0-0	3	Mathematics
PH-11002	Physics	3-0-0	3	Physics
CS-11002	Programming and Data Structures	2-0-2	3	Computer Sc. & Engg.
HS-11002	English for Technical Communication	2-0-2	3	Hum. & Soc. Sc.
XX-1100Z	Professional Core 2	3-0-0	3	Respective discipline
CE-12002	Computer Aided Drawing & Graphics	1-0-2	2	Civil Engg.
PH-131002	Physics Laboratory	0-0-2	1	Physics
EA17002	To be opted from the EAA Basket		1	Dean (Acad) / Dean (SW)
Total Credits			19	

<u>SEMESTER – II</u>				
<i>[for Civil Engg., Computer Science & Engg., and Mechanical Engg.]</i>				
Course Code	Courses Name	L-T-P	Credits	Teaching Department(s)
MA 11002	Mathematics – II	3-0-0	3	Mathematics
CY-11002	Chemistry	3-0-0	3	Chemistry
ME-11002	Engineering Mechanics	3-0-0	3	Mechanical Engg.
XX-1100Z	Professional Core 2	3-0-0	3	Respective discipline
EE-11001/EC-11001	Electrical & Electronics Science	3-0-0	3	Electr. & Comm. Engg. (Coordinator)
				Elec. Engg.
EC-12001/EE12001	Electrical & Electronics Science Lab.	0-0-2	1	Electr. & Comm. Engg. (Coordinator)
				Elec. Engg.
ME-12002	Workshop Practice	0-0-3	1	Mechanical Engg.
CY12002	Chemistry Laboratory	0-0-2	1	Chemistry
EA17002	To be opted from the EAA Basket		1	Dean (Acad) / Dean (SW)
Total Credits			19	

Extra Academic Activity Basket

EAA Basket	Credits
Intellectual Property Rights	
Professional Culture and Lifestyle in Healthcare	
Personality Development	
Self-Defence	
Dance and Theatre	
Music	
Foreign Language (German/ Spanish/ etc.)	
Sustainable Living	
Indian Knowledge System	
Indian Language (Sanskrit)	
Entrepreneurship	
Games & Sports	
Arts	
Indian Constitution	
NCC	
NSS	
Yoga	
Value Education	
Professional Ethics	

The maximum and the minimum credit for the above courses shall be 1.0 and 0.5, respectively.

