



Programme Structure for B Tech.: First Year Engineering

Semester I: Teaching Scheme

Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned			
		Th	Pr	Tu	Th	Pr	Tu	Total credits
U01BS101	Applied Mathematics I	3	-	-	3	-	-	3
U01BS001	Applied Chemistry	3	-	-	3	-	-	3
U01BS002	Applied Physics							
U01ES001	Engineering Mechanics	2	-	-	2	-	-	2
U01ES002	Engineering Graphics							
U01ES003	Basic Civil and Mechanical Engineering	3	-	-	3	-	-	3
U01ES004	Basic Electrical and Electronics Engineering							
U01BS003	Applied Chemistry Lab	-	2	-	-	1	-	1
U01BS004	Applied Physics Lab							
U01ES005	Engineering Mechanics Lab	-	4	-	-	2	-	2
U01ES006	Engineering Graphics Lab							
U01ES007	Basic Civil and Mechanical Engineering Lab	-	2	-	-	1	-	1
U01ES008	Basic Electrical and Electronics Engineering Lab							
U03AE001	Professional Communication	2*	-	-	2	-	-	2
U01IK001	Indian Science, Engineering and Technology (Past, Present and Future)							
U01VS001	Workshop Practice-I:C Programming	-	4	-	-	2	-	2
U01VS002	Workshop Practice-II: Basic Engineering Practices							
U04CC0XX	Co-curricular Courses I	-	4	-	-	2	-	2
U03VE001	Constitution of India	2	-	-	2	-	-	2
U03VE002	Universal Human Values-I [#]	-	-	-				Audit Course
Total		15	16	-	15	8	-	23

- ***Out of 2 hours, 1 hour theory shall be taught to entire class followed by 1 hrs. Practical in batches, Th: Theory, Pr: Practical, Tu: Tutorial**
- **#During the Induction Program, students would get an initial exposure to human values through Universal Human Values-I.**



Semester I: Evaluation Scheme

Course Code	Course Name	Theory Marks					Practical Marks		Total
		Internal Assessment				SEE	Term work	Practical Oral/POE	
		T1	T2	FET	Total				
U01BS101	Applied Mathematics I	10	10	5	25	50	-	-	75
U01BS001 U01BS002	Applied Chemistry OR Applied Physics	10	10	5	25	50	-	-	75
U01ES001 U01ES002	Engineering Mechanics OR Engineering Graphics	-	10	5	15	35	-	-	50
U01ES003 U01ES004	Basic Civil and Mechanical Engineering OR Basic Electrical and Electronics Engineering	10	10	5	25	50	-	-	75
U01BS003 U01BS004	Applied Chemistry Lab OR Applied Physics Lab	-	-	-	-	-	25	-	25
U01ES005 U01ES006	Engineering Mechanics Lab OR Engineering Graphics Lab	-	-	-	-	-	50	-	50
U01ES007 U01ES008	Basic Civil and Mechanical Engineering Lab OR Basic Electrical and Electronics Engineering Lab	-	-	-	-	-	25	-	25
U03AE001 U01IK001	Professional Communication OR Indian Science, Engineering and Technology (Past, Present and Future)	-	10	5	15	35	-	-	50
U01VS001 U01VS002	Workshop Practice-I:C Programming OR Workshop Practice-II: Basic Engineering Practices	-	-	-	-	-	50	-	50
U04CC0XX	Co-curricular courses I	-	-	-	-	-	50	-	50
U03VE001	Constitution of India	10	-	5	15	35	-	-	50
U03VE002	Universal Human Values-I	-	-	-	-	-	-	-	Audit Course

- Minimum passing is 40% for all courses and evaluation head mentioned above. FET – Faculty evaluation for Theory, T1, T2, Continuous Assessment Test, Term Work , SEE - Semester End Examination, P/F – Pass/ Fail Course, AU – Audit Course



Programme Structure for B Tech.: First Year Engineering Semester II: Teaching Scheme

Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned			
		Th	Pr	Tu	Th	Pr	Tu	Total Credits
U01BS201	Applied Mathematics II	3	-	-	3	-	-	3
U01BS001 U01BS002	Applied Chemistry OR Applied Physics	3	-	-	3	-	-	3
U01ES001 U01ES002	Engineering Mechanics OR Engineering Graphics	2	-	-	2	-	-	2
U01ES003 U01ES004	Basic Civil and Mechanical Engineering OR Basic Electrical and Electronics Engineering	3	-	-	3	-	-	3
U01BS003 U01BS004	Applied Chemistry Lab OR Applied Physics Lab	-	2	-	-	1	-	1
U01ES005 U01ES006	Engineering Mechanics Lab OR Engineering Graphics Lab	-	4	-	-	2	-	2
U01ES007 U01ES008	Basic Civil and Mechanical Engineering Lab OR Basic Electrical and Electronics Engineering Lab	-	2	-	-	1	-	1
U03AE001 U01IK001	Professional Communication OR Indian Science, Engineering and Technology (Past, Present and Future)	2*	-	-	2	-	-	2
U01VS001 U01VS002	Workshop Practice-I:C Programming OR Workshop Practice-II: Basic Engineering Practices	-	4	-	-	2	-	2
U04CC0XX	Co-curricular courses II	-	4	-	-	2	-	2
Total		13	16		13	8		21

- *Out of 2 hours, 1 hour Theory shall be taught to entire class followed by 1 hrs. Practical in batches, Th: Theory, Pr: Practical, Tu: Tutorial



Semester II: Evaluation Scheme

Course Code	Course Name	Theory Marks				SEE	Practical Marks		Total
		Internal Assessment					Term work	Practical Oral/POE	
		T1	T2	FET	Total				
U01BS201	Applied Mathematics II	10	10	5	25	50	-	-	75
U01BS001 U01BS002	Applied Chemistry OR Applied Physics	10	10	5	25	50	-	-	75
U01ES001 U01ES002	Engineering Mechanics OR Engineering Graphics	-	10	5	15	35	-	-	50
U01ES003 U01ES004	Basic Civil and Mechanical Engineering OR Basic Electrical and Electronics Engineering	10	10	5	25	50	-	-	75
U01BS003 U01BS004	Applied Chemistry Lab OR Applied Physics Lab	-	-	-	-	-	25	-	25
U01ES005 U01ES006	Engineering Mechanics Lab OR Engineering Graphics Lab	-	-	-	-	-	50	-	50
U01ES007 U01ES008	Basic Civil and Mechanical Engineering Lab OR Basic Electrical and Electronics Engineering Lab	-	-	-	-	-	25	-	25
U03AE001 U01IK001	Professional Communication OR Indian Science, Engineering and Technology (Past, Present and Future)	-	10	5	15	35	-	-	50
U01VS001 U01VS002	Workshop Practice-I:C Programming OR Workshop Practice-II: Basic Engineering Practices	-	-	-	-	-	50	-	50
U04CC0XX	Co-curricular courses II	-	-	-	-	-	50	-	50

- Minimum passing is 40% for all courses and evaluation head mentioned above. FET – Faculty evaluation for Theory, T1, T2, Continuous Assessment Test, Term Work, SEE - Semester End Examination, P/F – Pass/ Fail Course, AU – Audit Course



Sanjay Ghodawat University, Kolhapur

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Exit Option:

- Students will have the flexibility to enter a programme in odd semesters and exit a programme after the successful completion of even semesters as per their future career needs.
- Students exiting the First-Year program after securing minimum 40 credits will be awarded UG Certificate in the relevant Discipline /Subject provided they secure 8 credits in work-based vocational courses or internship / Apprenticeship offered during summer vacation in addition to 4 credits from skill-based courses earned during the first and second semester.