# Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur



## Curriculum Structure for First Year Bachelor of Technology

(To be Implemented from Academic Year 2021-2022)

### **UG Programmes in**

- Civil Engineering
- Civil and Environmental Engineering
- Mechanical Engineering
- Biotechnology Engineering

#### ----- The Courses Offered and Semester wise Structure of F.Y. B. Tech -----

(Civil Engineering / Civil and Environmental Engineering / Mechanical Engineering / Biotechnology Engineering)

Group 3: (Division: J, K & L)

Semester - I						
Course Code	Course Name	Curriculum Component	Teaching Scheme			
			L	T	P	C
Induction pro	gram as per AICTE guidelines					
UHSC0101	Engineering Mathematics-I	BS	3	1	-	4
UHSC0102	Communication Skills	HS	2	-	-	2
UHSC0108	General Physics and Optics	BS	3	-	-	3
UHSC0109	Basic Civil Engineering	ES	3	-	-	3
UHSC0110	Computer Aided Engineering Graphics (CAEG)	ES	2	-	-	2
UHSC0121	Communication Skills Lab	HS		-	2	1
UHSC0129	General Physics and Optics Lab	BS	-	-	2	1
UHSC0130	Basic Civil Engineering Lab	ES	-	-	2	1
UHSC0131	Computer Aided Engineering Graphics (CAEG) Lab	ES	-	-	4	2
UHSC0132	Workshop Practice Lab (Mechanical)	ES	-	-	2	1
UHSA0151	Audit Course-I (Entrepreneurship Development)	AU	2	-	-	-
		Total	15	1	12	20
	Total Contact h	ours – 28, Total	Credits -	- 20		

Semester - II							
Course Code	Course Name	Curriculum Component	Teaching Scheme				
			L	T	P	С	
Induction prog	gram as per AICTE guidelines	•					
UHSC0201	Engineering Mathematics-II	BS	3	1	-	4	
UHSC0211	Applied Chemistry	BS	3	-	-	3	
UHSC0212	Engineering Mechanics	ES	3	-	-	3	
UHSC0213	Basic Mechanical Engineering	ES	3	-	-	3	
UHSC0214	Introduction to Programming	ES	2	-	-	2	
UHSC0233	Applied Chemistry Lab	BS	-	-	2	1	
UHSC0234	Engineering Mechanics Lab	ES	-	-	2	1	
UHSC0235	Basic Mechanical Engineering Lab	ES	-	-	2	1	
UHSC0236	Basic Electrical Engineering Lab	ES	-	-	2	1	
UHSC0137	Introduction to Programming Lab	ES	-	-	2	1	
UHSA0252	Audit Course-II (Human Values and Professional Ethics)	AU	2	-	-	-	
		Total	16	1	10	20	
	Total Contact hours – 27, Total Credits - 20						

## (Civil Engineering / Civil and Environmental Engineering / Mechanical Engineering / Biotechnology Engineering)

#### Group 4: (Division: M, N & P)

Semester - I							
Course Code	Course Name	Curriculum Component	Teaching Scheme				
			L	T	P	С	
Induction prog	gram as per AICTE guidelines	•					
UHSC0101	Engineering Mathematics-I	BS	3	1	-	4	
UHSC0111	Applied Chemistry	BS	3	-	-	3	
UHSC0112	Engineering Mechanics	ES	3	-	-	3	
UHSC0113	Basic Mechanical Engineering	ES	3	-	-	3	
UHSC0114	Introduction to Programming	ES	2	-	-	2	
UHSC0133	Applied Chemistry Lab	BS	-	-	2	1	
UHSC0134	Engineering Mechanics Lab	ES	-	-	2	1	
UHSC0135	Basic Mechanical Engineering Lab	ES	-	-	2	1	
UHSC0136	Basic Electrical Engineering Lab	ES	-	-	2	1	
UHSC0137	Introduction to Programming Lab	ES	-	-	2	1	
UHSA0152	Audit Course-II (Human Values and Professional Ethics)	AU	2	-	-	-	
		Total	16	1	10	20	
	Total Contact hours – 27, Total Credits - 20						

	Semeste	r - II				
Course Code	Course Name	Curriculum Component	<b>Teaching Scheme</b>			
			L	T	P	C
Induction pro	gram as per AICTE guidelines			•	1	1
UHSC0201	Engineering Mathematics-II	BS	3	1	-	4
UHSC0202	Communication Skills	HS	2	-	-	2
UHSC0208	General Physics and Optics	BS	3	-	-	3
UHSC0209	Basic Civil Engineering	ES	3	-	-	3
UHSC0210	Computer Aided Engineering Graphics (CAEG)	ES	2	-	-	2
UHSC0221	Communication Skills Lab	HS		-	2	1
UHSC0229	General Physics and Optics Lab	BS	-	-	2	1
UHSC0230	Basic Civil Engineering Lab	ES	-	-	2	1
UHSC0231	Computer Aided Engineering Graphics (CAEG) Lab	ES	-	-	4	2
UHSC0232	Workshop Practice Lab (Mechanical)	ES	-	-	2	1
UHSA0151	Audit Course-I (Entrepreneurship Development)	AU	2	-	-	-
		Total	15	1	12	20
	Total Contact hours – 28, Total Credits - 20					•