



Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur

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EN 6315

Criteria 1: Curricular Aspects Academic Year: 2021-22

Metric	Document title
1.2.1 (Qnm)	Syllabus structure/ teaching & evaluation scheme highlighting Electives



Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

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DEPARTMENT OF ELECTRICAL ENGINEERING

1.2.1 (Qnm) : Syllabus structure/ teaching & evaluation scheme highlighting Electives:

Dr. Babasaheb Ambedkar Technological University, Lonere.

B.Tech (Electrical Engineering / Electrical Engineering (Electronics and Power)/
Electrical & Electronics Engg / Electrical & Power Engineering)

Curriculum for Semester VII [Final Year]

Sr. No.	Course Code	Type of Course	Course Title	Hours per week			Evaluation Scheme			Total Marks	Credits
				L	T	P	MSE	CA	ESE		
1	BTEEC701	PCC1	Power System Operation & Control	3	0	0	20	20	60	100	3
2	BTEEC702	PCC2	High Voltage Engineering	3	0	0	20	20	60	100	3
3	BTEEC703	PCC3	Electrical Drives	3	0	0	20	20	60	100	3
4	BTEEE704	PEC1	Elective-IX	3	0	0	20	20	60	100	3
5	BTEEE705	PEC2	Elective-X	3	0	0	20	20	60	100	3
6	BTEEL706	Lab	Power System Operation & Control Lab	0	0	2	--	30	20	50	1
7	BTEEL707	Lab	High Voltage Engineering Lab	0	0	2	--	30	20	50	1
8	BTEEL708	Lab	Electrical Drives Lab	0	0	2	--	30	20	50	1
9	BTEES709	Seminar	Seminar	0	0	2	--	30	20	50	1
10	BTEEP710	Project	Project Part-I	0	0	6	--	30	20	50	3
11	BTEEF711	--	Field Training /Internship/Industrial Training III	--	--	--	--	--	50	50	1
Total				15	0	14	100	250	450	800	23

Elective-IX	Elective-X
A) Special Purpose Electrical Machines	A) Digital Signal Processing
B) Electrical Traction and Utilization	B) Energy Audit and Conservation
C) Engineering System Design and Optimization	C) Electrical Power Quality
D) Financial Management	D) HVDC Transmission and FACTS

Dr. Babasaheb Ambedkar Technological University, Lonere.

B.Tech (Electrical Engineering / Electrical Engineering (Electronics and Power)/ Electrical & Electronics Engg / Electrical & Power Engineering)

Curriculum for Semester VIII [Final Year]

Sr. No.	Course Code	Course Title	Hours per week			Evaluation Scheme			Total Marks	Credits
			L	T	P	MSE	CA	ESE		
		1.Power Management Integrated Circuits 2.DC Power Transmission Systems 3.High Power Multilevel Converters 4.Fuzzy Sets, Logic and Systems & Applications 5.The Joy of Computing using Python 6.Introduction to Industry 4.0 and Industrial Internet of Things 7.Entrepreneurship Essentials # Student to opt any two subjects from above list	3	0	0	20*	20*	60*	100	3
			3	0	0	20*	20*	60*	100	3
6	BTEEP803	Project - II	0	0	30	--	100	150	250	15
		Total	6	0	30	40	240	270	450	21

* Six months of Internship in the industry

*Students doing project at institute will have to appear for CA/MSE/ESE

* Student doing project at Industry will give NPTEL examination / Examination conducted by university i.e. CA/MSE/ESE

These subjects are to be studied on self–study mode using SWAYAM/NPTEL/Any other source

Teacher who work as a facilitator for the course should be allotted 3 hrs/week load.

Project Load: 2hrs/week/project.

Mapping of Courses with MOOCs Platform SWYAM / NPTEL

S.N.	Course Name	Duration	Name of Professor	Institute offering Course
1	Power Management Integrated Circuits	12 Weeks	Prof. Qadeer Ahmad Khan	IITM
2	DC Power Transmission Systems	12 Weeks	Prof. Krishna S	IITM
3	High Power Multilevel Converters	12 Weeks	Prof. Anandarup Das	IITD
4	Fuzzy Sets, Logic and Systems & Applications	12 Weeks	Prof. Nishchal Kumar Verma	IITK
5	The Joy of Computing using Python	12 Weeks	Prof. Sudarshan Iyengar Prof. Yayati Gupta	IIT Ropar
6	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	Prof. Sudip Misra	IIT KGP
7	Entrepreneurship Essentials	12 Weeks	Prof. Manoj Kumar Mondal	IIT KGP

Dr. Babasaheb Ambedkar Technological University, Lonere.

B.Tech (Electrical Engineering / Electrical Engineering (Electronics and Power)/ Electrical & Electronics Engg / Electrical & Power Engineering)

Curriculum for Semester V

Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MS E	ESE	Total	
PCC4	BTEEC501	Power System Analysis	3	1	-	20	20	60	100	4
PCC5	BTEEC502	Microprocessor and Microcontroller	3	-	-	20	20	60	100	3
PCC6	BTEEC503	Power Electronics	3	1	-	20	20	60	100	4
PCC2	BTEEPLE504	Group B	3	-	-	20	20	60	100	3
OEC1	BTEEOE505	Group C	3	-	-	20	20	60	100	3
HSSMC	BTHM506	Foreign Language #	-	-	-	-	-	-	-	Audit
LC	BTEEL507	Power System Analysis Lab	-	-	2	60	-	40	100	1
LC	BTEEL508	Microprocessor and Microcontroller Lab	-	-	2	60	-	40	100	1
LC	BTEEL509	Power Electronics Lab	-	-	2	60	-	40	100	1
Project	BTEEP510	Mini project-II	-	-	2	60	-	40	100	1
Internship	BTEEP410	Internship-II Evaluation	-	-	-	-	-	50	50	1
Total			15	2	10	340	100	510	950	22

Semester VI

PCC7	BTEEC601	Switchgear and Protection	3	-	-	20	20	60	100	3
PCC8	BTEEC602	Electrical Machine Design	3	1	-	20	20	60	100	4
PCC9	BTEEC603	Control System Engineering	3	1	-	20	20	60	100	4
PEC3	BTEEP604	Group D	3	-	-	20	20	60	100	3
OEC2	BTEEOE605	Group E	3	-	-	20	20	60	100	3
LC	BTEEL606	Switchgear and Protection Lab	-	-	2	60	-	40	100	1
LC	BTEEL607	Electrical Machine Design Lab	-	-	2	60	-	40	100	1
LC	BTEEL608	Control System Engineering Lab	-	-	2	60	-	40	100	1
Seminar	BTEEM609	Seminar	-	-	4	60	-	40	100	2
Internship	BTEEP610	Internship-III (minimum of 4 weeks which can be completed partially in third or fourth semester or in at one time)	-	-	-	-	-	-	-	Credits to be evaluated in VII sem.
Total			15	2	10	340	100	460	900	22

BSC= Basic Science Course, ESC= Engineering Science Course, PCC= Professional Core Course, PEC= Professional Elective Course, OEC= Open Elective Course, LC= Laboratory Course, HSSMC= Humanities

Dr. Babasaheb Ambedkar Technological University, Lonere.

B.Tech (Electrical Engineering / Electrical Engineering (Electronics and Power)/ Electrical & Electronics Engg / Electrical & Power Engineering)

Curriculum for Semester V

Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MS E	ESE	Total	
PCC4	BTEEC501	Power System Analysis	3	1	-	20	20	60	100	4
PCC5	BTEEC502	Microprocessor and Microcontroller	3	-	-	20	20	60	100	3
PCC6	BTEEC503	Power Electronics	3	1	-	20	20	60	100	4
PCC2	BTEEPLE504	Group B	3	-	-	20	20	60	100	3
OEC1	BTEEOE505	Group C	3	-	-	20	20	60	100	3
HSSMC	BTHM506	Foreign Language *	-	-	-	-	-	-	-	Audit
LC	BTEEL507	Power System Analysis Lab	-	-	2	60	-	40	100	1
LC	BTEEL508	Microprocessor and Microcontroller Lab	-	-	2	60	-	40	100	1
LC	BTEEL509	Power Electronics Lab	-	-	2	60	-	40	100	1
Project	BTEEP510	Mini project-II	-	-	2	60	-	40	100	1
Internship	BTEEP410	Internship-II Evaluation	-	-	-	-	-	50	50	1
Total			15	2	10	340	100	510	950	22

Semester VI

PCC7	BTEEC601	Switchgear and Protection	3	-	-	20	20	60	100	3
PCC8	BTEEC602	Electrical Machine Design	3	1	-	20	20	60	100	4
PCC9	BTEEC603	Control System Engineering	3	1	-	20	20	60	100	4
PEC3	BTEEP604	Group D	3	-	-	20	20	60	100	3
OEC2	BTEEOE605	Group E	3	-	-	20	20	60	100	3
LC	BTEEL606	Switchgear and Protection Lab	-	-	2	60	-	40	100	1
LC	BTEEL607	Electrical Machine Design Lab	-	-	2	60	-	40	100	1
LC	BTEEL608	Control System Engineering Lab	-	-	2	60	-	40	100	1
Seminar	BTEEM609	Seminar	-	-	4	60	-	40	100	2
Internship	BTEEP610	Internship-III (minimum of 4 weeks which can be completed partially in third or fourth semester or in at one time)	-	-	-	-	-	-	-	Credits to be evaluated in VII sem.
Total			15	2	10	340	100	460	900	22

BSC= Basic Science Course, ESC= Engineering Science Course, PCC= Professional Core Course, PEC=

Course Structure for Semester III
B. Tech in Mechanical Engineering / B. Tech. in Mechanical Engineering (Sandwich)
(w.e.f. 2021-22)

Semester III										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				No. of Credits
			L	T	P	CA	MSE	ESE	Total	
BSC7	BTBS301	Engineering Mathematics – III	3	1	-	20	20	60	100	4
PCC1	BTMC302	Fluid Mechanics	3	1	-	20	20	60	100	4
PCC2	BTMC303	Thermodynamics	3	1	-	20	20	60	100	4
ESC10	BTMES304	Materials Science and Metallurgy	3	1	-	20	20	60	100	4
PCC3	BTMCL305	Machine Drawing and CAD Lab	-	-	4	60	-	40	100	2
PCC4	BTMCL306	Mechanical Engineering Lab – I	-	-	4	60	-	40	100	2
PROJ-1	BTES209P	IT – 1 Evaluation	-	-	-	-	-	100	100	1
	BTHM308	Constitution of India								Audit
Total			12	4	8	200	80	420	700	21

BSC = Basic Science Course, ESC = Engineering Science Course, PCC = Professional Core Course
 PEC = Professional Elective Course, OEC = Open Elective Course, LC = Laboratory Course
 HSSMC = Humanities and Social Science including Management Courses

Course Structure for Semester IV
B. Tech in Mechanical Engineering / B. Tech. in Mechanical Engineering (Sandwich)
(w.e.f. 2021-22)

Semester IV										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				No. of Credits
			L	T	P	CA	MSE	ESE	Total	
PCC5	BTMC401	Manufacturing Processes – I	3	1	-	20	20	60	100	4
PCC6	BTMC402	Theory of Machines-I	3	1	-	20	20	60	100	4
HSSMC3	BTHM403	Basic Human Rights	3	-	-	20	20	60	100	3
ESC11	BTMES404	Strength of Materials	3	1	-	20	20	60	100	4
PEC 1	BTMP405A-C	Elective-I	3	1	-	20	20	60	100	4
PCC7	BTMCL406	Mechanical Engineering Lab-II	-	-	4	60	-	40	100	2
PROJ-2	BTMI407	Field Training /Industrial Training (minimum of 4 weeks which can be completed partially in the third and fourth semester or in one semester itself)	-	-	-	-	-	-	-	Credits to be evaluated in Sem V
Total			15	4	4	160	100	340	600	21

BSC = Basic Science Course, ESC = Engineering Science Course, PCC = Professional Core Course
 PEC = Professional Elective Course, OEC = Open Elective Course, LC = Laboratory Course

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

HSSMC = Humanities and Social Science including Management Courses

Elective I

Sr. No	Course code	Course Name
1	BTMPE405A	Numerical Methods in Engineering
2	BTMPE405B	Sheet Metal Engineering
3	BTMPE405C	Fluid Machinery

B. Tech. Mechanical Engineering
Course Structure for Semester V [Third Year] w.e.f. 2019-2020

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
BTMEC501	PCC 12	Heat Transfer	3	1	--	20	20	60	100	4
BTMEC502	PCC 13	Applied Thermodynamics – I	2	1	--	20	20	60	100	3
BTMEC503	PCC 14	Machine Design – I	2	1	--	20	20	60	100	3
BTMEC504	PCC 15	Theory of Machines- II	3	1	--	20	20	60	100	4
BTMEC505	PCC 16	Metrology and Quality Control	2	1	--	20	20	60	100	3
BTID506	PCC 17	Product Design Engineering - II	1	--	2	60	--	40	100	2
BTMEC506A	OEC 2	Automobile Engineering	3	--	--	--	--	--	--	Audit (AU/ NP)
BTMEC506B		Nanotechnology								
BTMEC506C		Energy Conservation and Management								
BTMEL507	PCC 18	Heat Transfer Lab	--	--	2	30	--	20	50	1
BTMEL508	PCC 19	Applied Thermodynamics Lab	--	--	2	30	--	20	50	1
BTMEL509	PCC 20	Machine Design Practice- I	--	--	2	30	--	20	50	1
BTMEL510	PCC 21	Theory of Machines Lab- II	--	--	2	30	--	20	50	1
BTMEF511	Project 2	Field Training /Internship/Industrial Training II	--	--	--	--	--	50	50	1
Total			16	5	10	280	100	470	850	24

B. Tech. Mechanical Engineering
Course Structure for Semester VI [Third Year] w.e.f. 2019-2020

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
BTMEC601	PCC 22	Manufacturing Processes- II	2	1	--	20	20	60	100	3
BTMEC602	PCC 23	Machine Design-II	3	1	--	20	20	60	100	4
BTMEC603	PCC 24	Applied Thermodynamics- II	2	1	--	20	20	60	100	3
BTMEC604A	PEC 1	Engineering Tribology	2	1	--	20	20	60	100	3
BTMEC604B		IC Engines								
BTMEC604C		Additive Manufacturing								
BTMEC604D		Mechanical Measurements								
BTMEC605A	OEC 3	Quantitative Techniques in Project Management	3	--	--	20	20	60	100	3
BTMEC605B		Sustainable Development								
BTMEC605C		Renewable Energy Sources								
BTMEC606A	OEC 4	Biology for Engineers	3	--	--	--	--	--	--	Audit (AU/ NP)
BTMEC606B		Solar Energy								
BTMEC606C		Human Resource Management								
BTMEL607	PCC 25	Metrology and Quality Control Lab	--	--	2	30	--	20	50	1
BTMEL608	PCC 26	Machine Design Practice-II	--	--	2	30	--	20	50	1
BTMEL609	PCC 27	IC Engine Lab	--	--	2	30	--	20	50	1
BTMEL610	PCC 28	Refrigeration and Air Conditioning Lab	--	--	2	30	--	20	50	1
BTMEM611	Project 3	Technical Project for Community Services	--	--	4	30	--	20	50	2
Total			15	4	12	250	100	400	750	22

B. Tech. Mechanical Engineering
Course Structure for Semester VII [Fourth Year] w.e.f. 2020-2021

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
BTMEC701	PCC 29	Mechatronics	2	1	--	20	20	60	100	3
BTMEC702	PCC 30	CAD/CAM	2	1	--	20	20	60	100	3
BTMEC703	PCC 31	Manufacturing Processes - III	2	1	--	20	20	60	100	3
BTMEC704A	PEC 2	Fluid Machinery	2	1	--	20	20	60	100	3
BTMEC704B		Industrial Engineering and Management								
BTMEC704C		Finite Element Method								
BTMEC704D		Surface Engineering								
BTMEC704E		Refrigeration and Air Conditioning								
BTMEC704C	OEC 5	Automobile Design (Product Design, PLM, CAE, Catia)	3	--	--	--	--	--	--	Audit (AU/ NP)
BTMEC705A		Engineering Economics								
BTMEC705B		Intellectual Property Rights								
BTMEC705C		Wind Energy								
BTMEC705D		Knowledge Management								
BTMEL706	PCC 32	Manufacturing Processes Lab - II	--	--	2	30	--	20	50	1
BTMEL707	PCC 33	Mechatronics Lab	--	--	2	30	--	20	50	1
BTMEL708	PCC 34	CAD/CAM Lab	--	--	2	30	--	20	50	1
BTMES709	Project 4	Seminar	--	--	2	30	--	20	50	1
BTMEF710	Project 5	Field Training /Internship/Industrial Training III	--	--	--	--	--	50	50	1
BTMEP711	Project 6	Project Stage-I**	--	--	6	30	--	20	50	3
Total			11	4	14	230	80	390	700	20

****In case of students opting for Internship in the eighth semester, the Project must be industry-based.**

B. Tech. Mechanical Engineering
Course Structure for Semester VIII [Fourth Year] w.e.f. 2020-2021

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
Choose any two subjects from ANNEXURE-A#			-	-	--	20	20	60	100	3
			-	-	--	20	20	60	100	3
BTMEP803	Project 7	Project Stage-II or Internship and Project*	--	--	30	50	--	100	150	15
Total			--	--	30	90	40	220	350	21

* Six months of Internship in the industry

These subjects are to be studied on self-study mode using SWAYAM/NPTEL/Any other source

Student doing project in Industry will give NPTEL Examination/Examination conducted by the University i.e. CA/MSE/ESE

Students doing project in the Institute will have to appear for CA/MSE/ESE

ANNEXURE-A#
Recommendations of 8th Semester Courses in Self-study Mode from NPTEL/ SWYAM Platform

Sr No	Course Code	Course Name	Duration (Weeks)	Institute Offering Course	Name of Professor
1	BTMEC801A	Fundamentals of Automotive Systems	12 Weeks	IITM	Prof. C. S. Shankar Ram
2	BTMEC801B	Mechanics of Fiber Reinforced Polymer Composite Structures	12 Weeks	IITG	Prof. Debabrata Chakraborty
3	BTMEC801C	Explosions and Safety	12 Weeks	IITM	Prof. K. Ramamurthi
4	BTMEC801D	Material Characterization	12 Weeks	IITM	Prof. Sankaran.S
5	BTMEC801E	Dealing with materials data : collection, analysis and Interpretation	12 Weeks	IISc	Prof. M P Gururajan

6	BTMEC801F	Non-Conventional Energy Resources	12 Weeks	IITM	Prof. Prathap Haridoss
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Semester - VII

Mechatronics

BTMEC701	PCC 29	Mechatronics	2-1-0	3 Credits
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Teaching Scheme:	Examination Scheme:
Lecture: 2 hrs/week Tutorial: 1 hr/week	Continuous Assessment: 20 Marks Mid Semester Exam: 20 Marks End Semester Exam: 60 Marks (Duration 03 hrs)

Pre-Requisites: None

Course Outcomes: At the end of the course, students will be able to:

CO1	Define sensor, transducer and understand the applications of different sensors and transducers
CO2	Explain the signal conditioning and data representation techniques
CO3	Design pneumatic and hydraulic circuits for a given application
CO4	Write a PLC program using Ladder logic for a given application
CO5	Understand applications of microprocessor and micro controller
CO6	Analyse PI, PD and PID controllers for a given application

Mapping of course outcomes with program outcomes

Course Outcomes	Program Outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	3	2				2	1		1
CO2	3	2			3	3	2				1	3
CO3	1	1		3	3	2	1		3		1	3
CO4	3	3	1	1	3		1	1	1			
CO5	3			1	3	2	3					2
CO6		3	3		3	3	1	1	3			2

Course Contents:

Unit 1: Introduction

Introduction to Mechatronic systems, elements, advantages; practical examples of Mechatronic systems.

Sensors and Transducers: Various types of sensors and transducers used in Mechatronic system such as pressure sensors, temperature sensors, velocity sensors, Acceleration sensors, proximity sensors, position sensors, force sensors, Optical encoders, Capacitive level sensor, tactile sensors, Selection of sensors.

Department of Mechanical Engineering

Class: T.Y. B. Tech

Elective Choice

Roll No.	Name of Student	A) Elective III	B) Elective IV	C) Open Elective II	Sign
1	KHOCHIKAR AHAD SAMAD	6	2	3	Akhochkar
2	KADAM NIKHIL BHIMRAO	6	2	3	Nikhil
3	MANE PRADIP SHAMRAO	6	2	3	Pradip
4	KUMBHAR PRANALI BABASAHEB	6	2	3	Bumbhar
5	GUJAR PRANAV JOTIRAM	6	2	3	Pranav
6	MAGDUM PRATHMESH SUDHIR	6	2	3	Prathmesh
7	KHOT SHUBHAM TUKARAM	6	2	3	Shubham
8	SHETE SHUBHAM MARUTI	6	2	3	Shubham
9	SHINDE SIDDHESH SUNIL	6	2	3	Shinde
10	BENDHALE SIDDHESH SANTOSH	6	2	3	Siddhesh
11	POWAR SOURAV SHASHIKANT	6	2	3	Sourav
12	NAIK SHRIDHAR YUVRAJ	1	2	3	Shridhar
13	SHIKHARE PRAMOD GUNDA	1	2	3	Pramod
14	SHIKHARE NILESH SHIVAJI	1	2	3	Nilesh
15	DHERE SAURABH SATISH	1	2	3	Saurabh
16	DHERE HARSH SATISH	1	2	3	Harsh
17	DESAI VISHWAJEET VIKAS	1	2	3	Vishwajeet



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EN 6315

Department of Mechanical Engineering

Class: T.Y. B. Tech

Elective Choice

Roll No.	Name of Student	A) Elective III	B) Elective IV	C) Open Elective II	Sign
18	KADAVEKAR ANIKET RAJENDRA	1	2	3	
19	SAWANT SUNIL BHAGAWAN	1	4	3	
20	KHOT VIVEK MADHUKAR	1	2	3	
21	ARAB MOHMADSAAD ZAKIRHUSEN	1	2	3	
22	JADHAV OMKAR	1	2	3	
23	JADHAV ALIAS MITHARI KAUSTUBH RAJENDRA	1	2	3	
24	GARAD NILESH JAYSING	1	2	3	
25	PATIL ANISH VASANT	1	2	3	
26	KAMBLE SHUBHAM BAJIRAO	1	2	3	
27	BAHADURE NITIN AMBADAS	1	2	3	
28	POPHALE YASH PRAVIN	6	4	1	
29	MANE PAVAN MAHADEV	4	2	3	
30	SHINDE SAHIL NITIN	1	2	3	
31	SAPALE GAURESH RAJESH	1	2	3	
32	KATE RAJVARDHAN KAMALAKAR	1	2	3	
33	LOHAR PRATHAMESH MANIK	1	2	3	
34	KADAM PRANAV JAGADISH	1	4	2	
35	GURAV ROHIT HINDURAO	1	2	3	



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■ Approved By AICTE, New Delhi ■ Recognized by Govt. of Maharashtra & DTE ■ Affiliated to Dr. Babasaheb Ambedkar Technological University, Raigad (DBATU).

Website : www.seti.edu.in Email : principal@seti.edu.in / office@seti.edu.in

EN 6315

Department of Mechanical Engineering

Class: T.Y. B. Tech

Elective Choice

Roll No.	Name of Student	A) Elective III	B) Elective IV	C) Open Elective II	Sign
36	JAGDALE ABHISHEK VIJAY	1	2	3	Abhi
37	LOHAR DHIRAJ SHIVAJI	1	2	3	Dohar
38	JADHAV NIRANJAN JAYWANT	1	2	3	Contra
39	MHAMULKAR ABHIJIT HINDURAO	1	2	3	Ah
40	KHOT SWAPNIL SHASHIKANT	1	2	3	Khot
41	NAGARI DIPAK DEVENDRA	1	2	3	Dipak
42	BHAT SAHIL PUNDALIK	1	2	3	Sahil
43	BAWALE VISHWESH PRASANNA	1	2	3	Bawale
44	PATIL NIKHIL DNYANDEV	1	4	2	Nikhil
45	SAWRATKAR VISHAL UTTAM	1	2	3	Sawratkar
46	TARALEKAR PRUTHVIRAJ CHANDRAKANT	6	4	1	Taralekar
47	JARAG SIDDESH VIKRAM	1	2	3	Sidd
48	SHINDE CHAITANYA DILIP	1	2	3	Chaitanya
49	KHADE ROHIT VISHWAS	1	2	3	Rohit
50	SATHAM DIGAMBAR SUNIL	1	2	3	Satham
51	PADALKAR ANIKET ASHOK	1	2	3	Apadalkar
52	GHATAGE SARADAR KRUSHNAT	1	2	3	Ghatage

HOD

Mechanical Engineering
Sanjeevan Engg. & Tech. Institute, Panhala



Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur

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EN 6315

Department of Mechanical Engineering

Class: T.Y. B. Tech

Elective Choice

Roll No.	Name of Student	A) Elective III	B) Elective IV	C) Open Elective II	Sign
53	BAGADI DHAIRYASHIL HINDURAO	1	2	3	Bagadi
54	PATIL SUSHANT SANJAY	1	2	3	Patil
55	WAIKAR RAHIL ANIS	1	2	3	Waikar
56	PATIL SHUBHAM RAGHUNATH	1	2	3	Patil
57	NAGARJI ADIL KASAM	1	2	3	Nagarji
58	SAVARE AKANKSHA AKARAM	6	4	1	Savare
59	KONDE SAMRUDDHI BABASAHEB	6	4	1	Konde
60	WANGIKAR RUTUJA AAPPASO	1	2	3	Wangikar
61	KUMBHAR ABHIJEET VILAS	6	4	1	Kumbhar
62	CHOUGULE SUMIT MANOHAR	6	4	1	Chougule
63	KHOT RUSHIKESH NAMDEV	1	2	3	Khot
64	SASWADE SHRIKANT ARUN	2	2	3	Saswade
65	POWAR SHUBHAM SANJAY	1	2	3	Powar
66	CHOUGULE SHIDHARTH SAMBHAJI	1	2	3	Chougule
67	MULLA JUBER SAMEER	6	4	1	Mulla
68	MOHITE VIVEK SHRIKANT	6	4	1	Mohite
69	SHINDE PRATHAMESH BHAGAVAN	1	2	3	Shinde
70	SATHE MAHESH SARJERAO	1	2	3	Sathe

A) Elective III

1. IC Engines

2. Mechanical Vibrations
3. Machine Tool Design
4. Engineering Metrology and Quality Control
5. Automobile Body Design (Pre-requisite: Automobile Design)
6. E – Vehicles

B) Elective IV

1. Process Equipment Design
2. Product Life Cycle Management
3. Finite Element Method
4. Robotics
5. Computational Fluid Dynamics

C) Open Elective II

1. Quantitative Techniques and Project Management
2. Nanotechnology
- 3. Energy Conservation and Management
4. Wind Energy
5. Introduction to Probability Theory and Statistics


HOD
Mechanical Engineering
Sanjivani Engg. & Tech Institute, Parbhani

Sem-I & II
(2020-21)
Dr. Babasaheb Ambedkar Technological University, Lonere

Syllabus

Dr. Babasaheb Ambedkar Technological University
(Established as a University of Technology in the State of Maharashtra)
(under Maharashtra Act No. XXIX of 2014)

• PCK, Lonere, Dist. Raigad, Pin 402 103, Maharashtra

Telephone and Fax: 02140 - 275143

www.dbatu.ac.in

Syllabus
Sem I / II

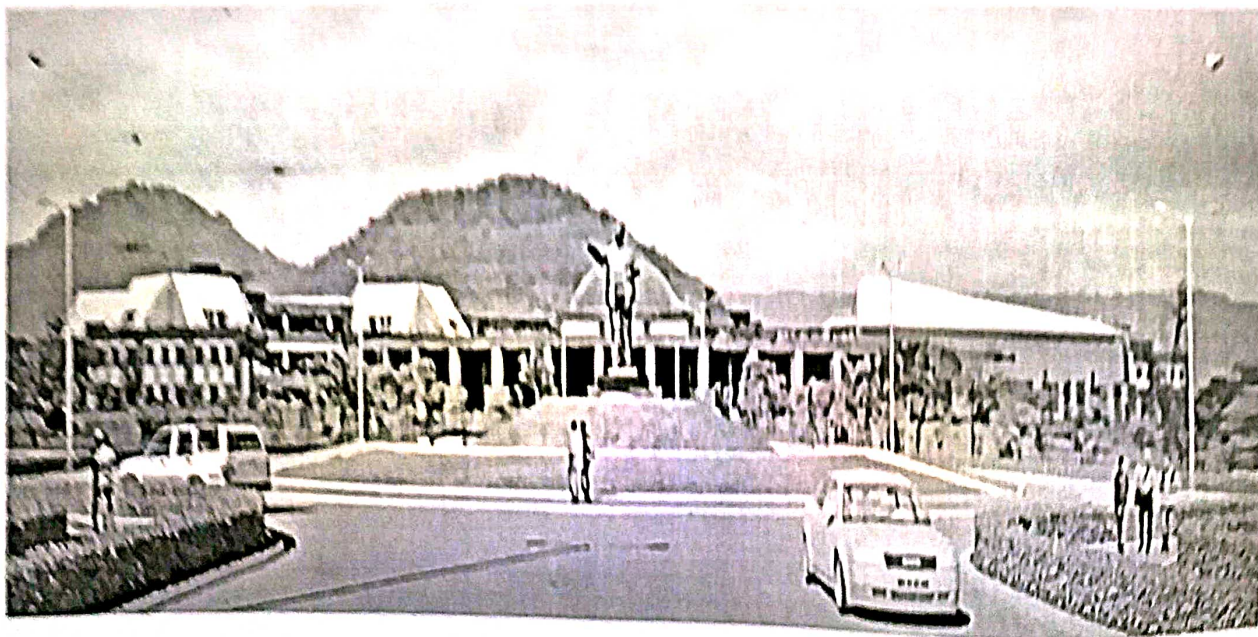


PROPOSED CURRICULUM UNDER GRADUATE PROGRAMME

B.Tech

FIRST YEAR ENGINEERING

WITH EFFECT FROM THE ACADEMIC YEAR 2020-2021.



Learning and Evaluation Scheme for First Year B.Tech. (All Branches)

Group A

Semester I										
Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit	
		L	T	P	CA	MSE	ESE	Total		
Mandatory	Induction Program	3-weeks duration in the beginning of semester.								
BTBS101	Engineering Mathematics- I	3	1	-	20	20	60	100	4	
BTBS102	Engineering Physics	3	1	-	20	20	60	100	4	
BTES103	Engineering Graphics	2	-	-	20	20	60	100	2	
BTI-M104	Communication Skills	2	-	-	20	20	60	100	2	
BTES105	Energy and Environment Engineering	2	-	-	20	20	60	100	2	
BTES106	Basic Civil and Mechanical Engineering	2	-	-	50	-	-	50	Audit	
BTBS107L	Engineering Physics Lab	-	-	2	60	-	40	100	1	
BTES108L	Engineering Graphics Lab	-	-	4	60	-	40	100	2	
BTI-M109L	Communication Skills Lab.	-	-	2	60	-	40	100	1	
		14	2	8	330	100	420	850	18	
Semester II										
BTBS201	Engineering Mathematics-II	3	1	-	20	20	60	100	4	
BTBS202	Engineering Chemistry	3	1	-	20	20	60	100	4	
BTBS203	Engineering Mechanics	2	1	-	20	20	60	100	3	
BTBS204	Computer Programming in C	3	-	-	20	20	60	100	3	
BTBS205	Workshop Practices	-	-	4	60	-	40	100	2	
BTBS206	Basic Electrical and Electronics Engineering	2	-	-	50	-	-	50	Audit	
BTBS207L	Engineering Chemistry Lab	-	-	2	60	-	40	100	1	
BTBS208L	Engineering Mechanics Lab	-	-	2	60	-	40	100	1	
BTES210S	Seminar	-	-	2	60	-	40	100	1	
BTES211P	Field Training / Internship/Industrial Training (minimum of 4 weeks which can be completed partially in first semester and second Semester or in at one time).	-	-	-	-	-	-	-	Credits To be evaluated in III Sem	
		13	3	10	430	80	440	950	19	
27										

Dr. Babasaheb Ambedkar Technological University, Lonere

Teaching and Evaluation Scheme for First Year B. Tech. (All Branches)

Group B

Semester I										
Course Code	Course Title	Teaching Scheme			Evaluation Scheme					
		L	T	P	CA	MSE	ESE	Total	Credit	
Mandatory	Induction Program	3-weeks duration in the beginning of semester.								
BTBS101	Engineering Mathematics- I	3	1	-	20	20	60	100	4	
BTBS102	Engineering Chemistry	3	1	-	20	20	60	100	4	
BTES103	Engineering Mechanics	2	1	-	20	20	60	100	3	
BTES104	Computer Programming in C	3	-	-	20	20	60	100	2	
BTES105L	Workshop Practices	-	-	4	60	-	40	100	2	
BTES106	Basic Electrical and Electronics Engineering	2	-	-	50	-	-	50	Audit	
BTBS107L	Engineering Chemistry Lab	-	-	2	60	-	40	100	1	
BTES108L	Engineering Mechanics Lab	-	-	2	60	-	40	100	1	
		13	03	10	370	80	400	850	18	
		25								
Semester II										
BTBS201	Engineering Mathematics-II	3	1	-	20	20	60	100	4	
BTBS202	Engineering Physics	3	1	-	20	20	60	100	4	
BTES203	Engineering Graphics	2	-	-	20	20	60	100	2	
BTHM204	Communication Skills	2	-	-	20	20	60	100	2	
BTES205	Energy and Environment Engineering	2	-	-	20	20	60	100	2	
BTES206	Basic Civil and Mechanical Engineering	2	-	-	50	-	-	50	Audit	
BTBS207L	Engineering Physics Lab	-	-	2	60	-	40	100	1	
BTES208L	Engineering Graphics Lab	-	-	3	60	-	40	100	2	
BTHM209L	Communication Skills Lab.	-	-	2	60	-	40	100	1	
BTES210S	Seminar	-	-	2	60	-	40	100	1	
BTES211P	Field Training / Internship/Industrial Training (minimum of 4 weeks which can be completed partially in first semester and second Semester or in at one time)	-	-	-	-	-	-	-	Credits To be evaluate d in III Sem	
		14	02	09	390	100	460	950	19	
		26								

Dr. Babasaheb Ambedkar Technological University, Lonere

(Established as a University of Technology in the State of Maharashtra)

(Under Maharashtra Act No. XXIX of 2014)

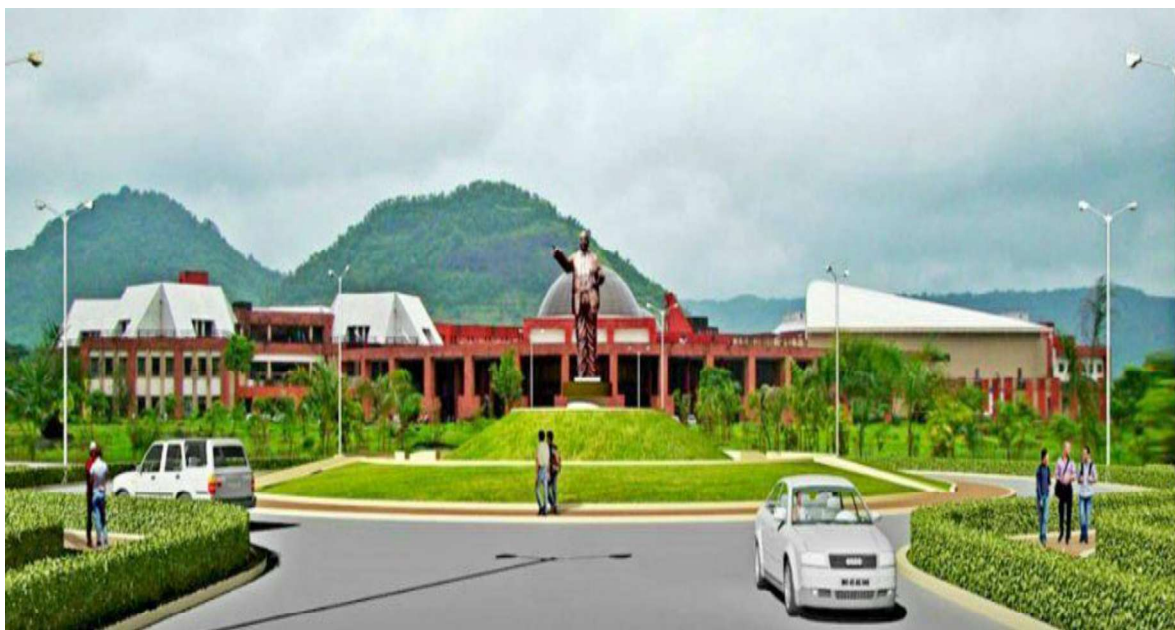
P.O. Lonere, Dist. Raigad, Pin 402 103, Maharashtra

Telephone and Fax. : 02140 - 275142

www.dbatu.ac.in

Curriculum for Undergraduate Degree Programme S.Y. B. Tech. in Civil Engineering

With effect from AY 2021-22



**Dr. Babasaheb Ambedkar Technological University
Lonere 402 103, Dist- Raigad, Maharashtra, INDIA**

Dr. Babasaheb Ambedkar Technological University, Lonere
Teaching & Evaluation Scheme for Second Year B. Tech. Civil Engg.

Semester- III										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
BSC 5	BTBS301	Mathematics – III	3	1	-	20	20	60	100	4
ESC 8	BTCVES302	Mechanics of Solids	3	1	-	20	20	60	100	4
PCC 1	BTCVC303	Building Construction & Drawing	2	1	-	20	20	60	100	3
PCC 2	BTCVC304	Hydraulics -I	3	1	-	20	20	60	100	4
PCC 3	BTCVC305	Surveying	2	1	-	20	20	60	100	3
HSSMC2	BTHM306	Soft Skill Development	2	-	-	50	-	-	50	Audit
LC 1	BTCVL 307	Solid Mechanics Laboratory	-	-	2	20	-	30	50	1
LC 2	BTCVL 308	Hydraulics-I Laboratory	-	-	2	20	-	30	50	1
LC 3	BTCVL 309	Surveying Laboratory	-	-	2	20	-	30	50	1
Internship	BTES210P	Internship –I Evaluation (From Sem II)	-	-	-	-	-	50	50	Audit
Total			15	05	06	210	100	440	750	21

Semester- IV										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
PCC 4	BTCVC401	Building Planning and Drawing	2	-	-	20	20	60	100	2
PCC 5	BTCVC402	Environmental Engineering	2	-	-	20	20	60	100	2
PCC 6	BTCVC403	Structural Mechanics - I	2	1	-	20	20	60	100	3
PCC 7	BTCVC404	Water Resources Engineering	3	-	-	20	20	60	100	3
PCC 8	BTCVC405	Hydraulics - II	2	1	-	20	20	60	100	3
PCC 9	BTCVC406	Engineering Geology	2	1	-	20	20	60	100	3
LC 4	BTCVL407	Building Planning and CAD Lab.	-	-	2	20	-	30	50	1
LC 5	BTCVL408	Environmental Engg. Lab.	-	-	2	20	-	30	50	1
LC 6	BTCVL409	HE-II Lab.	-	-	2	20	-	30	50	1
Internship	BTCVP410	Field Training / Internship/Industrial Training (minimum of 4 weeks training in Summer Vacation after Semester IV and appear at examination in Semester V)	-	-	-	-	-	-	-	To be evaluated in V Sem.
Total			13	03	06	180	120	450	750	19

DATE: 22 /10/2021

NOTICE

It is hereby informed that to all TY Btech students please choose your **ELECTIVE - II** subject from the following table and give your choice to TY Class Coordinator without fail.

LIST OF ELECTIVE SUBJECT GIVEN BY BATU UNIVERSITY

SR. NO.	NAME OF ELECTIVE
1	Materials, Testing & Evaluation
2	Computer Aided Drawing
3	Development Engineering
4	Business Communication & Presentation Skills


T.Y.. CLASS COORDINATOR


(CIVIL ENGG. DEPT.)

DATE: 22 /10/2021

NOTICE

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LIST OF ELECTIVE SUBJECT GIVEN BY BATU UNIVERSITY

SR. NO.	NAME OF ELECTIVE
1	Materials, Testing & Evaluation
2	Computer Aided Drawing
3	Development Engineering
4	Business Communication & Presentation Skills



T.Y.. CLASS COORDINATOR


H.O.D.

(CIVIL ENGG. DEPT.)

DATE: 22 / 10 /2021

CHOICE OF ELECTIVE - II SUBJECT GIVEN BY CIVIL ENGG. DEPT.
STUDENTS

SR. NO.	RO LL NO.	NAME OF STUDENNT	ELECTIVE/FACULTY				SIGN
			1	2	3	4	
			MTE SSC	CAD AND	DE EPS	BCPS JJG	
1	1	SHINDE SAMIKSHA SUHAS	✓				<i>[Signature]</i>
2	2	GAVADE RUTUJA JALINDAR	✓				<i>[Signature]</i>
3	3	SHINDE SHUBHAM JYOTI	✓				<i>[Signature]</i>
4	4	KAMBLE PRATIK SANJAY	✓				<i>[Signature]</i>
5	5	BHOSALE KEVAL MADHUKAR	✓				<i>[Signature]</i>
6	6	JADHAV AMOL PRAMOD	✓				<i>[Signature]</i>
7	7	PATIL RAJVARDHAN VIJAY	✓				<i>[Signature]</i>
8	8	MANE VIRAJ VISHNU	✓				<i>[Signature]</i>
9	9	PATIL RUSHIKESH UDAY	✓				<i>[Signature]</i>
10	10	SAWANT PRUTHVIRAJ SAMBHAJI	✓				<i>[Signature]</i>
11	11	ADLINGE NAMRATA BUDDHIWAN	✓				<i>[Signature]</i>
12	12	LOHAR ANIKET PRAKASH	✓				<i>[Signature]</i>
13	13	PATIL NIKHIL ANANDA	✓				<i>[Signature]</i>
14	14	SAVEKAR PRUTHVIRAJ LAXMAN	✓				<i>[Signature]</i>
15	15	GAIKWAD ROHIT TANAJI	✓				
16	16	NIKAM VAISHNAV VISHWAS	✓				
17	17	BURAN SANKET SHIVAJI	✓				
18	18	PUSHAKRAJ SUBHASH PATIL	✓				
19	19	KAMBLE PRAFULL ABBAS	✓				<i>[Signature]</i>
20	20	JADHAV ANIKET TANAJI	✓				
21	21	HUJARE HRITIK MANOJ	✓				<i>[Signature]</i>
22	22	RAJVARDHAN PARSHURAM POWAR	✓				
23	23	SARNOBART SATYAJEET UTTAM	✓				<i>[Signature]</i>
24	24	PATIL OMKAR SUBHASH	✓				
25	25	SAWANT OMKAR CHANDRAKANT	✓				
26	26	NALE SHIVAM PRADIP	✓				
27	27	WAGHMARE ABHISHEK SUHAS	✓				<i>[Signature]</i>
28	28	KHOT KAUSTUBH BHALCHANDRA	✓				<i>[Signature]</i>
29	29	MOHITE ONKAR DHANANJAY	✓				<i>[Signature]</i>
30	30	SIDDHESH ADESH SURVE	✓				<i>[Signature]</i>

SR. NO.	RO LL NO.	NAME OF STUDENNT	ELECTIVE/FACULTY				SIGN
			1	2	3	4	
			MTE SSC	CAD AND	DE EPS	BCPS JJG	
31	31	PAREES KISHOR PATIL	✓				T. G. Patil
32	32	SAYALI SHIVAJI TAMBAVEKAR	✓				S. Sayali
33	33	TAHSILDAR AFTAB RAFIK	✓				
34	34	SALOKHE SIDDHESH SUHAS	✓				S. Salokhe
35	35	PRATHMESH PRATAP JAPTANMULUKH	✓				
36	36	GHADYALE PRATISKHA BALASO	✓				P. Ghadyale
37	37	CHOUGULE SUMIT SUNIL	✓				S. Chougule
38	38	HINGMIRE APEKSHA AMBADAS	✓				A. Hingmire
39	39	SUGANDHI YUVARAJ ASHWIN	✓				S. Sugandhi
40	40	PATIL ABHISHEK TANAJI	✓				A. Patil
41	41	PAKHARE OMKAR TUKARAM	✓				O. Pakhare
42	42	SOURABH SHIRISHKUMAR MALGAONKAR	✓				S. Sourabh
43	43	PATIL VIVEK VIJAY	✓				
44	44	POWAR VISHAL TUKARAM	✓				
45	45	KAMBLE PRAMOD PRADIP	✓				P. Kamble
46	46	GOJARE VAIBHAV ANNASO	✓				V. Gojare
47	47	NAIK SHUBHAM SUBHASH	✓				S. Naik
48	48	PATIL SWAPNIL DHONDIRAM	✓				S. Patil
49	49	SHINDE SAROJ PANDIT	✓				S. Shinde
50	50	MALI SHUBHAM NANDKUMAR	✓				S. Mali
51	51	SAYED UZAIR FAIAAZ	✓				S. Sayed
52	52	BOGARE DATTATRAY VILAS	✓				B. Bogare
53	53	MARALKAR VIVEK SUBHASH	✓				V. Maralkar
54	54	CHAVAN BHUSHAN UMESH	✓				B. Chavan
55	55	TEKE INDRAJEET SUNIL	✓				T. Teke
56	56	OMKAR SUDAM PATIL	✓				O. Patil
57	57	PATIL SWARUP PRADHAN	✓				P. Patil
58	58	PATIL SWAPNIL SANJAY	✓				S. Patil
59	59	PATIL PRATHAMESH SANJAY	✓				P. Patil
60	60	DAREKAR ATUL SARJERAO	✓				A. Darekar
61	61	SHUBHAM MADHUKAR SAWANT	✓				S. Shubham
62	62	JADHAV RUSHIKESH SHAHAJI	✓				R. Jadhav

T.Y. CLASS COORDINATOR

H.O.B.
(CIVIL ENGG. DEPT.)

DATE: 04/02/2022

NOTICE

It is hereby informed that to all TY Btech students please choose your **ELECTIVE - III** subject from the following table and give your choice to TY Class Coordinator without fail.

LIST OF ELECTIVE SUBJECT GIVEN BY BATU UNIVERSITY

SR. NO.	Sub Code	NAME OF ELECTIVE
1	BTCVE605A	Waste Water Treatment
2	BTCVE605B	Operations research
3	BTCVE605C	Geographic Data Analysis and Applications
4	BTCVE605D	Advanced Engineering Geology
5	BTCVE605E	Advanced Soil Mechanics
6	BTCVE605F	Design of Masonry and Timber Structures


T.Y.. CLASS COORDINATOR

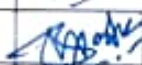
Prof.A.M.Momin


H.O.D.

(CIVIL ENGG. DEPT.)

DATE: 04/ 02 /2022

LIST OF ELECTIVE – III SUBJECT OFFERED BY CIVIL ENGG. DEPT.

SR. NO.	NAME OF ELECTIVE	INITIALS	NAME OF FACULTY	INITIALS	SIGN
1	Waste Water Treatment	WWT	Prof. S. M. Shinde	SMS	
2	Operations research	OS	Prof. J.J.Gavade	JJG	
3	Geographic Data Analysis and Applications	GDAP	Prof.E.P.Salokhe	EPS	
4	Advanced Engineering Geology	AEG	Prof.E.P.Salokhe	EPS	
5	Advanced Soil Mechanics	ASM	Prof.A.N.Dhende	AND	
6	Design of Masonry and Timber Structures	DMTS	Prof. A. C. Thoke	ACT	


T.Y. CLASS COORDINATOR

Prof.A.M.Momin


H.O.D.

(CIVIL ENGG. DEPT.)

DATE: 04 / 02 /2022

CHOICE OF ELECTIVE - III SUBJECT GIVEN BY CIVIL ENGG. DEPT.
STUDENTS

SR. NO.	RO LL NO.	NAME OF STUDENT	ELECTIVE/FACULTY					
			1	2	3	4	5	6
			WWT SMS	OS JJG	GDAP EPS	AEG EPS	ASM AND	DMTS ACT
1	1	SHINDE SAMIKSHA SUHAS	✓					
2	2	GAVADE RUTUJA JALINDAR	✓					
3	3	SHINDE SHUBHAM JYOTI		✓				
4	4	KAMBLE PRATIK SANJAY	✓					
5	5	BHOSALE KEVAL MADHUKAR	✓					
6	6	JADHAV AMOL PRAMOD	✓					
7	7	PATIL RAJWARDHAN VIJAY		✓				
8	8	MANE VIRAJ VISHNU	✓					
9	9	PATIL RUSHIKESH UDAY	✓					
10	10	SAWANT PRUTHVIRAJ SAMBHAJI	✓					
11	11	ADLINGE NAMRATA BUDDHIWAN	✓					
12	12	LOHAR ANIKET PRAKASH	✓					
13	13	PATIL NIKHIL ANANDA	✓					
14	14	SAVEKAR PRUTHVIRAJ LAXMAN	✓					
15	15	GAIKWAD ROHIT TANAJI	✓					
16	16	NIKAM VAISHNAV VISHWAS				✓		
17	17	BURAN SANKET SHIVAJI	✓					
18	18	PUSHAKRAJ SUBHASH PATIL	✓					
19	19	KAMBLE PRAFULL ABBAS	✓					
20	20	JADHAV ANIKET TANAJI	✓					
21	21	HUJARE HRITIK MANOJ	✓					
22	22	RAJWARDHAN PARSHURAM POWAR						
23	23	SARNOBART SATYAJEET UTTAM	✓					
24	24	PATIL OMKAR SUBHASH	✓					
25	25	SAWANT OMKAR CHANDRAKANT	✓					
26	26	NALE SHIVAM PRADIP	✓					
27	27	WAGHMARE ABHISHEK SUHAS	✓					
28	28	KHOT KAUSTUBH BHALCHANDRA	✓					
29	29	MOHITE ONKAR DHANANJAY	✓					
30	30	SIDDHESH ADESH SURVE	✓					
31	31	PAREES KISHOR PATIL	✓					
32	32	SAYALI SHIVAJI TAMBAVEKAR	✓					
33	33	TAHSILDAR AFTAB RAFIK	✓					
34	34	SALOKHE SIDDHESH SUHAS	✓					

SR. NO.	RO LL NO.	NAME OF STUDENNT	1	2	3	4	5	6
			WWT	OS	GDAP	AEG	ASM	DMTS
			SMS	JJG	EPS	EPS	AND	ACT
35	35	PRATHMESH PRATAP JAPTANMULUKH	✓					
36	36	GHADYALE PRATISKHA BALASO	✓					
37	37	CHOUGULE SUMIT SUNIL				✓		
38	38	HINGMIRE APEKSHA AMBADAS					✓	
39	39	SUGANDHI YUVARAJ ASHWIN	✓					
40	40	PATIL ABHISHEK TANAJI	✓					
41	41	PAKHARE OMKAR TUKARAM	✓					
42	42	SOURABH SHIRISHKUMAR MALGAONKAR	✓					
43	43	PATIL VIVEK VIJAY	✓					
44	44	POWAR VISHAL TUKARAM	✓					
45	45	KAMBLE PRAMOD PRADIP	✓					
46	46	GOJARE VAIBHAV ANNASO	✓					
47	47	NAIK SHUBHAM SUBHASH	✓					
48	48	PATIL SWAPNIL DHONDIRAM	✓					
49	49	SHINDE SAROJ PANDIT	✓					
50	50	MALI SHUBHAM NANDKUMAR	✓					
51	51	SAYED UZAIR FAIAAZ	✓					
52	52	BOGARE DATTATRAY VILAS	✓					
53	53	MARALKAR VIVEK SUBHASH	✓					
54	54	CHAVAN BHUSHAN UMESH	✓					
55	55	TEKE INDRAJEET SUNIL	✓					
56	56	OMKAR SUDAM PATIL	✓					
57	57	PATIL SWARUP PRADHAN	✓					
58	58	PATIL SWAPNIL SANJAY	✓					
59	59	PATIL PRATHAMESH SANJAY	✓					
60	60	DAREKAR ATUL SARJERAO	✓					
61	61	SHUBHAM MADHUKAR SAWANT	✓					
62	62	JADHAV RUSHIKESH SHAHAJI	✓					

T.Y. CLASS COORDINATOR

Prof. A. M. Momin

H.O.D.
(CIVIL ENGG. DEPT.)

DATE: 19/09/2022

NOTICE

It is hereby informed that to all B.Tech final year civil students please choose your **Elective-IV & Elective-V** subject from the following table and give your choice to Final year Class Coordinator before 21/09/2022, 4:00 pm without fail.

LIST OF SELF STUDY COURSE SUBJECT GIVEN BY DBATU UNIVERSITY

SR. NO.	NAME OF ELECTIVE- IV
1	Construction Techniques
2	Engineering Economics
3	Finite Element Method
4	Limit State Design of Steel Structures
5	Plastic Analysis and Design
6	Water Power Engineering
SR. NO.	NAME OF ELECTIVE- V
1	Advanced Structural Mechanics
2	Air Pollution Control
3	Bridge Engineering
4	Introduction to Earthquake Engineering
5	Town and Urban Planning
6	Tunneling and Underground Excavations


FINAL YEAR.

CLASS COORDINATOR


H.O.D.
HOD
Civil Engineering
(CIVIL ENGG. DEPT.)
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur (416 201)

B. Tech. Civil Engineering

Course Structure for Semester VII (Fourth Year) w.e.f. 2020-2021

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	WSE	ESE	Total	
BTCVC701	Core	Design of Concrete Structures - II	2	1	—	20	20	60	100	3
BTCVC702	Core	Infrastructure Engineering	2	—	—	20	20	60	100	3
BTCVC703	Core	Water Resources Engineering	2	—	—	20	20	60	100	4
BTCVC704	Core	Professional Practices	2	—	—	20	20	60	100	3
BTCVE705A	Elective IV	Construction Techniques	3	—	—	20	20	60	100	3
BTCVE705B		Engineering Economics								
BTCVE705C		Finite Element Method								
BTCVE705D		Limit State Design of Steel Structures								
BTCVE705E		Plastic Analysis and Design								
BTCVE705F		Water Power Engineering								
BTCVOE706A	Open Elective V	Advanced Structural Mechanics	3	—	—	—	—	—	—	Audit 40 NP
BTCVOE706B		Air Pollution Control								
BTCVOE706C		Bridge Engineering								
BTCVOE706D		Introduction to Earthquake Engineering								
BTCVOE706E		Town and Urban Planning								
BTCVOE706F		Tunneling and Underground Excavations								
BTCVL707	Laboratory	Design & Drawing of RC & Steel Structures	—	—	2	30	—	20	50	
BTCVL708	Laboratory	Professional Practices	—	—	2	30	—	20	50	
BTCVT709	Training	Field Training Internship Industrial	—	—	—	—	—	50	50	
BTCVS710	BTS	Seminar	—	—	2	—	—	50	50	
BTCVP711	BTP	Project Stage-I**	—	—	8	—	50	50	100	
Total			10	3	12	160	150	490	800	23

**In case of students opting for Internship and Industry Project in the eighth semester, the Project must be industry-based.



Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth, Injole, Panhala, Tal. Panhala, Dist. Kolhapur Pin- 416 201 (MS.)
Phone: Dept. 0231 - 2686613 PBX: 0231 - 2686600 Fax: 0231 - 2686629

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EN 6315

DEPARTMENT OF CIVIL ENGINEERING

CHOICE OF ELECTIVE-IV SUBJECT GIVEN BY CIVIL ENGG.

DEPT. STUDENT

ROLL NO.	NAME OF STUDENT	CT	EE	FEM	LSDOSS	PAD	WPE
1	SHINDE SAMIKSHA SUHAS	✓					
2	GAVADE RUTUJA JALINDAR	✓					
3	SHINDE SHUBHAM JYOTI	✓					
4	KAMBLE PRATIK SANJAY	✓					
5	BHOSALE KEVAL MADHUKAR	✓					
6	JADHAV AMOL PRAMOD	✓					
7	PATIL RAJWARDHAN VIJAY	✓					
8	MANE VIRAJ VISHNU				✓		
9	SAWANT PRUTHVIRAJ SAMBHAJI					✓	
10	ADLINGE NAMRATA BUDDHIWAN	✓					
11	LOHAR ANIKET PRAKASH	✓					
12	PATIL NIKHIL ANANDA	✓					
13	SAVEKAR PRUTHVIRAJ LAXMAN	✓					
14	GAIKWAD ROHIT TANAJI				✓		
15	NIKAM VAISHNAV VISHWAS	✓					
16	KAMBLE PRAFULL ABBAS	✓					
17	JADHAV ANIKET TANAJI	✓					
18	HUJARE HRITIK MANOJ	✓					
19	SARNOBART SATYAJEET UTTAM	✓					
20	PATIL OMKAR SUBHASH	✓					
21	SAWANT OMKAR CHANDRAKANT						✓
22	NALE SHIVAM PRADIP						✓
23	WAGHMARE ABHISHEK SUHAS	✓					
24	KHOT KAUSTUBH BHALCHANDRA	✓					
25	MOHITE ONKAR DHANANJAY	✓					
26	SIDDHESH ADESH SURVE	✓					
27	PAREES KISHOR PATIL	✓					
28	SAYALI SHIVAJI TAMBAVEKAR	✓					
29	TAHSILDAR AFTAB RAFIK	✓					
30	SALOKHE SIDDHESH SUHAS	✓					
31	PRATHMESH PRATAP JAPTANMULUKH	✓					
32	GHADYALE PRATISKA BALASO	✓					
33	CHOUGULE SUMIT SUNIL	✓					
34	HINGMIRE APEKSHA AMBADAS	✓					
35	SUGANDHI YUVARAJ ASHWIN	✓					
36	PATIL ABHISHEK TANAJI	✓					

HOD

Civil Engineering

Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur (416 201)

ROLL NO.	NAME OF STUDENT	CT	EE	FEM	LSDOSS	PAD	WPE
37	PAKHARE OMKAR TUKARAM						✓
38	SOURABH SHIRISHKUMAR MALGAONKAR						✓
39	PATIL VIVEK VIJAY	✓					
40	POWAR VISHAL TUKARAM	✓					
41	KAMBLE PRAMOD PRADIP	✓					
42	GOJARE VAIBHAV ANNASO	✓					
43	NAIK SHUBHAM SUBHASH	✓					
44	PATIL SWAPNIL DHONDIRAM	✓					
45	SHINDE SAROJ PANDIT	✓					
46	MALI SHUBHAM NANDKUMAR						✓
47	SAYED UZAIR FAIAAZ	✓					
48	BOGARE DATTATRAY VILAS	✓					
49	MARALKAR VIVEK SUBHASH	✓					
50	CHAVAN BHUSHAN UMESH	✓					
51	TEKE INDRAJEET SUNIL	✓					
52	OMKAR SUDAM PATIL	✓					
53	PATIL SWARUP PRADHAN	✓					
54	PATIL SWAPNIL SANJAY	✓					
55	PATIL PRATHAMESH SANJAY	✓					
56	JADHAV RUSHIKESH SHAHAJI	✓					
57	SHUBHAM MADHUKAR SAWANT	✓					

CLASS CO-ORDINATOR


HOD
 Civil Engineering
 Saijeevan Engineering & Technology Institute
 Somwar Peth, Panhala, Dist. Kolhapur. (416 201)



Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur Pin- 416 201 (MS)

Phone Dept. 0231 - 2666613, PBX 0231 - 2666600, Fax 0231 - 2666629

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EN 6315

DEPARTMENT OF CIVIL ENGINEERING

CHOICE OF ELECTIVE-V SUBJECT GIVEN BY CIVIL ENGG.

DEPT. STUDENT

ROLL NO.	NAME OF STUDENT	ASM	APC	BE	IEE	TUP	TUE
1	SHINDE SAMIKSHA SUHAS				✓		
2	GAVADE RUTUJA JALINDAR				✓		
3	SHINDE SHUBHAM JYOTI				✓		
4	KAMBLE PRATIK SANJAY				✓		
5	BHOSALE KEVAL MADHUKAR				✓		
6	JADHAV AMOL PRAMOD				✓		
7	PATIL RAJVARDHAN VIJAY				✓		
8	MANE VIRAJ VISHNU				✓		
9	SAWANT PRUTHVIRAJ SAMBHAJI		✓				
10	ADLINGE NAMRATA BUDDHIWAN		✓				
11	LOHAR ANIKET PRAKASH		✓				
12	PATIL NIKHIL ANANDA		✓				
13	SAVEKAR PRUTHVIRAJ LAXMAN				✓		
14	GAIKWAD ROHIT TANAJI				✓		
15	NIKAM VAISHNAV VISHWAS				✓		
16	KAMBLE PRAFULL ABBAS				✓		
17	JADHAV ANIKET TANAJI				✓		
18	HUJARE HRITIK MANOJ				✓		
19	SARNOBART SATYAJEET UTTAM				✓		
20	PATIL OMKAR SUBHASH				✓		
21	SAWANT OMKAR CHANDRAKANT				✓		
22	NALE SHIVAM PRADIP				✓		
23	WAGHMARE ABHISHEK SUHAS		✓		✓		
24	KHOT KAUSTUBH BHALCHANDRA				✓		
25	MOHITE ONKAR DHANANJAY				✓		
26	SIDDHESH ADESH SURVE				✓		
27	PAREES KISHOR PATIL				✓		
28	SAYALI SHIVAJI TAMBAVEKAR				✓		
29	TAHSILDAR AFTAB RAFIK		✓				
30	SALOKHE SIDDHESH SUHAS				✓		
31	PRATHMESH PRATAP JAPTANMULUKH				✓		
32	GHADYALE PRATISKA BALASO				✓		
33	CHOUGULE SUMIT SUNIL	✓					
34	HINGMIRE APEKSHA AMBADAS				✓		
35	SUGANDHI YUVARAJ ASHWIN				✓		
36	PATIL ABHISHEK TANAJI				✓		


HOB

Civil Engineering

Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur 416 201

ROLL NO.	NAME OF STUDENT	ASM	APC	BE	IEE	TUP	TUE
37	PAKHARE OMKAR TUKARAM				✓		
38	SOURABH SHIRISHKUMAR MALGAONKAR				✓		
39	PATIL VIVEK VIJAY				✓		
40	POWAR VISHAL TUKARAM				✓		
41	KANBLE PRAMOD PRADIP				✓		
42	GOJARE VAIBHAV ANNASO	✓					
43	NAIK SHUBHAM SUBHASH				✓		
44	PATIL SWAPNIL DHONDIRAM	✓					
45	SHINDE SAROJ PANDIT				✓		
46	MALI SHUBHAM NANDKUMAR				✓		
47	SAYED UZAIR FAIAAZ				✓		
48	BOGARE DATTATRAY VILAS				✓		
49	MARALKAR VIVEK SUBHASH				✓		
50	CHAVAN BHUSHAN UMESH				✓		
51	TEKE INDRAJEET SUNIL				✓		
52	OMKAR SUDAM PATIL				✓		
53	PATIL SWARUP PRADHAN				✓		
54	PATIL SWAPNIL SANJAY				✓		
55	PATIL PRATHAMESH SANJAY				✓		
56	JADHAV RUSHIKESH SHAHAJI				✓		
57	SHUBHAM MADHUKAR SAWANT				✓		

CLASS CO-ORDINATOR


HOD
 Civil Engineering
 Sanjeevan Engineering & Technology Institute
 Somwar Petik, Panhala, Dist. Kolhapur (416 201)

DATE: 23/03/2022

NOTICE

It is hereby informed that to all B.Tech final year civil students please choose your Self Study Course subject from the following table and give your choice to Final year Class Coordinator before 25/03/2022, 4:00 pm without fail.

LIST OF SELF STUDY COURSE SUBJECT GIVEN BY DBATU UNIVERSITY

SR. NO.	NAME OF SELF STUDY COURSE- I
1	Characterization of Construction Materials
2	Geosynthetics and Reinforced Soil Structures
3	Higher Surveying
4	Maintenance and Repair of Concrete Structures
5	Structural Dynamics
SR. NO.	NAME SELF STUDY COURSE -II
1	Energy Efficiency Acoustics and Daylighting in Building
2	Environmental Remediation of Contaminated Sites
3	Remote Sensing Essentials
4	Mechanical Characterization of Bituminous Materials
5	Soil Structure Interaction


FINAL YEAR.

CLASS COORDINATOR


HOD
(CIVIL ENGG. DEPT.)
HOD

Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panvel, Dist. Raigad, Maharashtra

DEPARTMENT OF CIVIL ENGINEERING

CHOICE OF ELECTIVE-III SUBJECT GIVEN BY CIVIL ENGG. DEPT.

SSC-I STUDENT SEM - VIII AY 21-22

ROLL NO.	NAME OF STUDENT	CCM	GRSS	HS	MRCs	SD
1	YADAV YASH SATISH				✓	
2	CHAVAN PRANAV PRAKASH				✓	
3	PATIL OMKAR ASHOK					
4	SUTAR DIPAK RAVINDRA				✓	
5	SANGAR ONKAR NANDKUMAR		✓			
6	GAVALI SANKET KONDIRAM			✓	✓	
7	PATIL SANTOSH SHIRISH				✓	
8	TEJAS SANJAY MOLE				✓	
9	PATIL GANESH SARJERAO				✓	
10	PATIL RAVIRAJ DINKAR				✓	
11	AKSHAY MARUTI KAMBLE				✓	
12	KEDAR SARJERAO MORE		✓		✓	
13	YADAV SAURABH JAYSING					
14	PATIL AKASH SAMBHAJI				✓	
15	DESAI RUSHIKESH PRAKASH				✓	
16	KSHITIJ KRISHNAT POWAR				✓	
17	RAORANE RUTUJA ASHOK				✓	
18	KADAM SHUBHAM KESHAV				✓	
19	KADAM NILESH BHIMRAO				✓	
20	PATIL DIGVIJAY MANOHAR				✓	
21	GOTAL MANOJ ANANDA					
22	KALANTRE SWAPNIL MAHADEV				✓	
23	KOPARDE ANIKET ARJUN				✓	
24	BHOSALE PANKAJ VISHWJEET				✓	
25	SHIVANI UTTAM LATWADE		✓		✓	
26	MAJGAONKAR MASIRA NAZIM				✓	
27	BHALKAR AKASH ANANT					
28	POWAR ONKAR ARUN				✓	
29	AVADHUT SHANKAR JADHAV				✓	
30	PATIL PRAJWAL UDAY				✓	
31	CHOPADE ANUSHKA AJIT				✓	
32	DAREKAR KETAK SUBHASH				✓	
33	AYAREKAR RUTURAJ SHASHIKANT				✓	
34	GHAGARE TEJAS KRUSHNAT				✓	
35	JOUNDAL SAURABH DILIP					
36	KAMBLE RUTURAJ RAMCHANDRA				✓	
37	LAMBE ASHWINI ANIL		✓		✓	
38	DAKAVE ABHJIT SARJERAO				✓	
39	JADHAV VIKRAM MOHAN				✓	
40	DESAI MUSKAN SHAKIL		✓			
41	PATIL PRATAP SINGH RAJENDRA				✓	
42	GAVANDI NEHA RAHUL		✓			
43	HULLE SHREYA SUNIL				✓	
44	KUMBHAR DHIRAJ DHONDIRAM					
45	KONDE ROHAN TANAJI				✓	

ROLL NO.	NAME OF STUDENT	CCM	GRSS	HS	MRCs	SD
46	PAWAR SHUBHAM RAJENDRA		✓		✓	
47	ROHAN BAJIRAO VARPE				✓	
48	MAHIND DHIRAJ VIKAS				✓	
49	DHAKANE RAHUL BANDU		✓			
50	GURAV SOURABH HINDURAO				✓	
51	SHINDE AKSHAY MAHADEV					
52	JAGADALE SWAROOP SACHIN				✓	
53	RAJVARDHAN DHANANJAY JADHAV				✓	
54	PATIL SURAJ SANJAY				✓	
55	AKSHAY ANIL SHINGADE		✓			
56	SHAIKH HUJAIFA DINMOHAMMAD				✓	
57	PATIL HARSHAVARDHAN VISHWASRAO				✓	
58	GADAGADE ROHAN ASHOK				✓	
59	KHADE PRATHAMESH SHRIKANT				✓	
60	KURNE SHUBHAM AVDHOT		✓			
61	PATIL PRATHMESH TANAJI				✓	
62	GHATAGE TEJASHREE VIJAYSINH					
63	MORE SUDHIR SANJAY				✓	
64	CHOUGALE PRAJKATA PRAKASH				✓	
65	SARNOBAT SNEHA UTTAM				✓	
66	BHALEKAR MOHAN MARUTI				✓	
67	HAROLE AKASH VIDYADHAR				✓	
68	RAHUL MADHUKAR BHOSALE				✓	
69	KAMBLE ANIKET DEEPAK				✓	
70	KAMBLE GURUDAS MARUTI				✓	
71	JADHAV AJINKYA ASHOK				✓	
72	ADHAV SHIVRAJ ARJUN				✓	
73	KUMBHAR ONKAR SARJERAO				✓	

CLASS CO-ORDINATOR




HOD
 Civil Engineering
 Sanjeevan Engineering College
 Somwar Peth, Dist. Solapur, Maharashtra



Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth, Injole, Panhala, Tal. Panhala, Dist. Kolhapur Pin- 416 201 (MS)
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EN 6315

DEPARTMENT OF CIVIL ENGINEERING

CHOICE OF ELECTIVE-III SUBJECT GIVEN BY CIVIL ENGG. DEPT.

Ssc-II STUDENT SEM - VIII AY 21-22

ROLL NO	NAME OF STUDENT	EEADB	ERCB	RSE	MCBM	SSI
1	YADAV YASH SATISH			✓		
2	CHAVAN PRANAV PRAKASH			✓		
3	PATIL OMKAR ASHOK			✓		
4	SUTAR DIPAK RAVINDRA			✓		
5	SANGAR ONKAR NANDKUMAR			✓		
6	GAVALI SANKEI KONDIRAM			✓		
7	PATIL SANTOSH SHIRISH		✓			
8	TEJAS SANJAY MOLE			✓		
9	PATIL GANESH SARJERAO		✓			
10	PATIL RAVIRAJ DINKAR		✓			
11	AKSHAY MARUTI KAMBLE		✓			
12	KEDAR SARJERAO MORE			✓		
13	YADAV SAURABH JAYSING		✓			
14	PATIL AKASH SAMBHAJI			✓		
15	DESAI RUSHIKESH PRAKASH			✓		
16	KSHITIJ KRISHNAT POWAR			✓		
17	RAORANE RUTUJA ASHOK			✓		
18	KADAM SHUBHAM KESHAV			✓		
19	KADAM NILESH BHIMRAO			✓		
20	PATIL DIGVIJAY MANOHAR			✓		
21	GOTAL MANOJ ANANDA			✓		
22	KALANTRE SWAPNIL MAHADEV			✓		
23	KOPARDE ANIKET ARJUN			✓		
24	BHOSALE PANKAJ VISHWJEET			✓		
25	SHIVANI UTTAM LATWADE			✓		
26	MAJGAONKAR MASIRA NAZIM			✓		
27	BHALKAR AKASH ANANT			✓		
28	POWAR ONKAR ARUN			✓		
29	AVADHUT SHANKAR JADHAV			✓		
30	PATIL PRAJWAL UDAY			✓		
31	CHOPADE ANUSHKA AJIT			✓		
32	DAREKAR KETAK SUBHASH			✓		
33	AYAREKAR RUTURAJ SHASHIKANT			✓		
34	GHAGARE TEJAS KRUSHNAT			✓		
35	JOUNDAL SAURABH DILIP			✓		
36	KAMBLE RUTURAJ RAMCHANDRA			✓		
37	LAMBE ASHWINI ANIL		✓			
38	DAKAVE ABHIJIT SARJERAO			✓		
39	JADHAV VIKRAM MOHAN			✓		
40	DESAI MUSKAN SHAKIL		✓			
41	PATIL PRATAP SINGH RAJENDRA		✓			
42	GAVANDI NEHA RAHUL		✓			
43	HULLE SHREYA SUNIL			✓		
44	KUMBHAR DHIRAJ DHONDIRAM			✓		
45	KONDE ROHAN TANAJI			✓		

ROLL NO.	NAME OF STUDENT	EEADB	ERCB	RSE	MCBM	SSI
46	PAWAR SHUBHAM RAJENDRA			✓		
47	ROHAN BAJIRAO VARPE			✓		
48	MAHIND DHIRAJ VIKAS			✓		
49	DHAKANE RAHUL BANDU			✓		
50	GURAV SOURABH HINDURAO			✓		
51	SHINDE AKSHAY MAHADEV		✓			
52	JAGDALE SWAROOP SACHIN		✓			
53	RAJVARDHAN DHANANJAY JADHAV		✓			
54	PATIL SURAJ SANJAY			✓		
55	AKSHAY ANIL SHINGADE			✓		
56	SHAIKH HUJAIFA DINMOHAMMAD			✓		
57	PATIL HARSHAVARDHAN VISHWASRAO			✓		
58	GADAGADE ROHAN ASHOK			✓		
59	KHADE PRATHAMESH SHRIKANT		✓			
60	KURNE SHUBHAM AVDHIHOT		✓			
61	PATIL PRATHMESH TANAJI		✓	✓		
62	GHATAGE TEJASHREE VIJAYSINH			✓		
63	MORE SUDHIR SANJAY			✓		
64	CHOUGALE PRAJKATA PRAKASH			✓		
65	SARNOBAT SNEHA UTTAM			✓		
66	BHALEKAR MOHAN MARUTI			✓		
67	HAROLE AKASH VIDYADHAR			✓		
68	RAHUL MADHUKAR BHOSALE			✓		
69	KAMBLE ANIKET DEEPAK			✓		
70	KAMBLE GURUDAS MARUTI			✓		
71	JADHAV AJINKYA ASHOK			✓		
72	ADHAV SHIVRAJ ARJUN			✓		
73	KUMBHAR ONKAR SARJERAO			✓		

CLASS CO-ORDINATOR




 HOD
 Civil Engineering
 Sanjeevan Engineering & Technology Institute
 Somwar Peth, Panhala, Dist. Kolhapur, (416 201)

1.2.1 (Qnm) : Syllabus structure/ teaching & evaluation scheme highlighting Electives:

DR. DABASAI ICD AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Semester - III

Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	CA	MSE	ESE	
1	BTBSC301	Engineering Mathematics – III	3	1	-	20	20	60	4
2	BTCOC302	Discrete Mathematics	2	1	-	20	20	60	3
3	BTCOC303	Data Structures	2	1	-	20	20	60	3
4	BTCOC304	Computer Architecture & Organization	2	1	-	20	20	60	3
5	BTCOC305	Digital Electronics & Microprocessors	2	1	-	20	20	60	3
6	BTHM3401	Basic Human Rights	2	-	-	50	-	-	Audit
7	BTCOL306	Python Programming	1	-	2	60	-	40	2
8	BTCOL307	HTML and JavaScript	1	-	2	60	-	40	2
9	BTCOL308	Data Structures Lab	-	-	2	60	-	40	1
10	BTCOL309	Digital Electronics & Microprocessor Lab	-	-	2	60	-	40	1
11	BTFES211P	Field Training / Internship / Industrial Training Evaluation	-	-	-	-	-	50	1
TOTAL			15	5	8	390	100	510	23

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Semester - IV

Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	CA	MSE	ESE	
1	BTCOC401	Design & Analysis of Algorithms	2	1	-	20	20	60	3
2	BTCOC402	Probability & Statistics	2	1	-	20	20	60	3
3	BTCOC403	Operating Systems	2	1	-	20	20	60	3
4	BTCOE404	Elective - I (A) Object Oriented Programming in Java (B) Object Oriented Programming in C++	2	1	-	20	20	60	3
5	BTID405	Product Design Engineering	1	-	2	60	-	40	2
Elective - II									
6	BTBS405A	Physics of Engineering Materials	2	1	-	20	20	60	3
	BTCOE406B	Numerical Methods							
	BTHM3402	Soft skills and Personality Development							
7	BTCOL407	Design & Analysis of Algorithms Lab	-	-	2	60	-	40	1
8	BTCOL408	Introduction to Data Science with R	1	-	2	60	-	40	2
9	BTCOL409	Object Oriented Programming Lab	-	-	2	60	-	40	1
10	BTCOL410	Operating System Lab	-	-	2	60	-	40	1
11	BTCOF411	Field Training / Internship / Industrial Training Evaluation	-	-	-	-	-	-	Credit to be evaluated in V Sem.
TOTAL			12	5	10	400	100	500	22

Semester - V

Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	CA	MSE	ESE	
1	BTCOC501	Database Systems	3	1	-	20	20	60	4
2	BTCOC502	Theory of Computations	3	1	-	20	20	60	4
3	BTCOC503	Machine Learning	3	1	-	20	20	60	4
4	BTCOE504	Elective – III (A) Introduction to Research (B) Cyber Laws (C) Open Elective offered by other departments	2	-	-	20	20	60	2
5	BTCOE505	Elective – IV (A) Economics & Management (B) Business Communication	2	-	-	20	20	60	2
6	BTCOC506	Competitive Programming-I	1	-	2	60	-	40	2
7	BTCOL507	Database System Laboratory	-	-	2	60	-	40	1
8	BTCOL508	Machine Learning Laboratory	-	-	2	60	-	40	1
9	BTCOS509	Seminar	-	-	2	60	-	40	1
10	BTCOF411	Field Training / Internship / Industrial Training Evaluation	-	-	-	60	-	40	1
TOTAL			14	3	8	400	100	500	22

BTCOC501 - Database Systems: Content of this subject is updated. Pl. find below the updated content.

Semester - VI

Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	CA	MSE	ESE	
1	BTCOC601	Compiler Design	3	1	-	20	20	60	4
2	BTCOC602	Computer Networks	3	1	-	20	20	60	4
3	BTCOE603	Elective – V (A) Human Computer Interaction (B) Artificial Intelligence (C) Object-Oriented Analysis Design	2	1	-	20	20	60	3
4	BTCOE604	Elective – VI (A) Geographical Information System (B) Biology (C) Internet of Things	2	-	-	20	20	60	2
5	BTCOE605	Elective – VII (A) Development Engineering (B) National Social Service (C) Consumer Behaviour	2	-	-	20	20	60	2
6	BTCOC606	Competitive Programming-II	1	-	2	60	-	40	2
7	BTCOL607	(A) Mobile Application Development OR (A) Internet of Things Laboratory	1	-	2	60	-	40	2
8	BTCOL608	Computer Networks Laboratory	-	-	2	60	-	40	1
9	BTCOF609	Field Training / Internship / Industrial Training	-	-	-	-	-	-	Credit to be Evaluated in VII Sem.
TOTAL			14	3	6	280	100	420	20

BTCOE604 (C): Internet of Things: Content of this subject is updated. Pl. find below the updated content.

Semester - VII

Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	CA	MSE	ESE	
1	BTCOC701	Software Engineering	3	-	-	20	20	60	3
2	BTCOE702	Elective - VIII (A) Big Data Analytics (B) Distributed System (C) Fundamental of Digital Image Processing	3	-	-	20	20	60	3
3	BTCOE703	Elective - IX (A) Cloud Computing (B) Business Intelligence (C) Natural Language Processing	3	-	-	20	20	60	3
4	BTCOE704	Open Elective - X (A) Blockchain Technology (B) Computer Graphics (C) Embedded Systems (D) Design Thinking	3	-	-	20	20	60	3
5	BTCOL705	Full Stack Development (LAMP / MEAN)	1	-	2	60	-	40	2
6	BTCOL706	System Administration	1	-	2	60	-	40	2
7	BTCOL707	Elective - VIII Lab	-	-	2	60	-	40	1
8	BTCOL708	Elective - IX Lab	-	-	2	60	-	40	1
9	BTCOP709	Project phase - I	-	-	2	60	-	40	1
10	BTCOF609	Field Training / Internship / Industrial Training	-	-	-	-	-	50	1
TOTAL			14	-	10	380	80	490	20

Semester - VIII

Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	CA	MSE	ESE	
1	BTCOE801	Elective - XI *	3	-	-	20	20	60	3
2	BTCOE802	Open Elective - XII *	3	-	-	20	20	60	3
3	BTCOE803	Project phase - II (In-house) * / Internship and project in the Industry	-	-	24	60	-	40	12
TOTAL			6	-	24	100	40	160	18

These subjects are to be studied on self-study mode using SWAYAM / NPTEL. The list of self-study online courses is given below.

The list of self-study online courses

BTCOE801: Elective - XI *	BTCOE802: Open Elective - XII *
(A) Deep Learning	(A) Introduction to Industry 4.0 and Industrial Internet of Things
(B) Social Networks	(B) Cryptography and Network Security **
(C) Randomized Algorithms **	(C) Model Checking

* Six months of Internship and Project in the industry.

\$ This is for those students who are not doing Internship and project in the Industry, they can do project in the department.

** Digital contents should be developed by University for the subjects:

1. Randomized Algorithm
2. Cryptography and Network Security

Elective Choices:

Sheet1

Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
Sanjeevan Knowledge City, Somwar Peth-Injole, Panhala, Tal. Panhala, Dist. Kolhapur-416 201
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COMPUTER SCIENCE & ENGINEERING **EN 6315**

ELECTIVE CHOICES

Class : TY B.Tech A.Y.2021-22, Sem- VI

Elective:- BTCOL607 : (A) IOT Lab (B) Mobile Application Development

Roll No	Name of Student	IOT	MAD	Sign.
1	BHASKAR VIVEK PANDIT		✓	✓
2	BHOI AMRUTA RAJENDRA		✓	✓
3	BHORE AKSHAYKUMAR KAKASO		✓	✓
4	CHAVAN ANIKET MARUTI		✓	✓
5	CHOUGULE RUTUJA RAYSO		✓	✓
6	DALAVE MITALI KRUSHNATH	✓	✓	✓
7	DALAVI ASHUTOSH SANJAY		✓	✓
8	DAVANG VAIBHAV SADASHIV		✓	✓
9	DEVADKAR SOURABH SHASHIKANT		✓	✓
10	DHANGAR VAIBHAVI AMBAJI		✓	✓
11	DUDHANE RUSHIKESH SHRIDHAR		✓	✓
12	FIRFIRE SIKANDAR AHMED		✓	✓
13	GAIKWAD AARTI SUNIL		✓	✓
14	GURJAR SURAJ CHHOTELAL		✓	✓
15	HARDHAR PAWAN SANJAY		✓	✓
16	HULLE KALYANI SANJAY		✓	✓
17	JaADHAV SIDDHANT SAGARKUMAR		✓	✓
18	JAVED MUSKAN MOMIN		✓	✓
19	KAMBLE NIKHIL RAJKUMAR		✓	✓
20	KAMBLE SHUBHAM SIDDHAPPA		✓	✓
21	KAMBLE SHWETA SHAHAJI		✓	✓
22	KHADAKE RUTUJA SUNIL		✓	✓
23	KHUTALE SUYOG SANJAY		✓	✓
24	KORAVI PRIYANKA RAMCHANDRA		✓	✓
25	KUMBHAR NIKITA TANAJI		✓	✓
26	LAD ANIKET MARUTI		✓	✓
27	LAD PRASHANT SANJAY		✓	✓
28	LOHAR ROHIT SANJAY		✓	✓
29	MAGDUM GANESH SANJAY		✓	✓
30	MALI NISHA NANDKUMAR	✓		✓
31	MALI PRADHUMN HARIKISHOR		✓	✓
32	MANKAR SNEHAL SANJAY		✓	✓
33	MARWADI OMKAR BALASO		✓	✓
34	MORE SUSHANT SHANTANU	✓		✓

Page 1

Sheet1

35	MUJAWAR ASIM RIJWAN	✓	✓
36	MULLANI ALFIZA ANWERHUSEN	✓	✓
37	NARVEKAR SATISH MARUTI	✓	✓
38	NAYKAWADI KASHMIRA MIRASO	✓	✓
39	PATIL ADESH VIJAYKUMAR	✓	✓
40	PATIL AISHWARYA SHANKAR	✓	✓
41	PATIL ANUJA ANANDRAO	✓	✓
42	PATIL GAURAV GORAKH	✓	✓
43	PATIL HARSHADA JAYSING	✓	✓
44	PATIL HRITHVIK MARUTI	✓	✓
45	PATIL KULDEEP DHONDIRAM	✓	✓
46	PATIL PRATIK SANTOSH	✓	✓
47	PATIL RUTUJA VYANKATRAO	✓	✓
48	PATIL VIRAJ DINKAR	✓	✓
49	PAWAR SHUBHAM ANANDA	✓	✓
50	PHALLE MAYURESH MOHAN	✓	✓
51	PRANITA P PATIL	✓	✓
52	RAJMANE SHIVAM SANTOSH	✓	✓
53	RAYKAR SHUBHAM GIRIDHAR	✓	✓
54	RUKADE PRIYANKA UDAY	✓	✓
55	SADARE AKHILESH ANIL	✓	✓
56	SALVI NIKHIL SAMBHAJI	✓	✓
57	SAWANT OMKAR SURYAKANT	✓	✓
58	SHETAKE SHUBHANGI SURESH	✓	✓
59	SHETE RAVINDRA AMAR	✓	✓
60	SHINDE NISHA BHAGVAN	✓	✓
61	SHINDE PRATIK VIDYADHAR	✓	✓
62	SHINDE ROHIT YUVARAJ	✓	✓
63	SHINDE SHIVANI SHASHIKANT	✓	✓
64	SURYAWANSHI SNEHA MOHAN	✓	✓
65	SUTAR SUPRIYA VIJAY	✓	✓
66	THORBOLE OMKAR SANJAY	✓	✓
67	VALAKE ANUJA RAJESH	✓	✓
68	VALAKE SONAL BHIMRAO	✓	✓

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Class Co-ordinator

Department of Computer Science & Engineering
Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala - 416 201

ELECTIVE-VII



Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
 Sanjeevan Knowledge City, Somwar Peth-Vijole, Panhala, Tal. Panhala, Dist. Kolhapur-416 201
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COMPUTER SCIENCE & ENGINEERING EN 6315

ELECTIVE CHOICES

Class : TY B.Tech

A.Y.2021-22,

Sem- VI

OPEN Elective-VII: BTCOE605 : (A) Development Engg. (B) National Social Service (C) Consumer Behaviour

Roll No	Name of Student	DE	NSS	CB	Sign.
1	BHASKAR VIVEK PANDIT			✓	✓
2	BHOI AMRUTA RAJENDRA			✓	✓
3	BHORE AKSHAYKUMAR KAKASO			✓	✓
4	CHAVAN ANIKET MARUTI			✓	✓
5	CHOUGULE RUTUJA RAYSO			✓	✓
6	DALAVE MITALI KRUSHNATH			✓	✓
7	DALAVI ASHUTOSH SANJAY			✓	✓
8	DAVANG VAIBHAV SADASHIV			✓	✓
9	DEVADKAR SOURABH SHASHIKANT			✓	✓
10	DHANGAR VAIBHAVI AMBAJI			✓	✓
11	DUDHANE RUSHIKESH SHRIDHAR		✓	✓	✓
12	FIRFIRE SIKANDAR AHMED			✓	✓
13	GAIKWAD AARTI SUNIL			✓	✓
14	GURJAR SURAJ CHHOTELAL			✓	✓
15	HARDHAR PAWAN SANJAY			✓	✓
16	HULLE KALYANI SANJAY			✓	✓
17	JaADHAV SIDDHANT SAGARKUMAR			✓	✓
18	JAVED MUSKAN MOMIN			✓	✓
19	KAMBLE NIKHIL RAJKUMAR			✓	✓
20	KAMBLE SHUBHAM SIDDHAPPA			✓	✓
21	KAMBLE SHWETA SHAHAJI			✓	✓
22	KHADAKE RUTUJA SUNIL			✓	✓
23	KHUTALE SUYOG SANJAY			✓	✓
24	KORAVI PRIYANKA RAMCHANDRA			✓	✓
25	KUMBHAR NIKITA TANAJI			✓	✓
26	LAD ANIKET MARUTI			✓	✓
27	LAD PRASHANT SANJAY			✓	✓
28	LOHAR ROHIT SANJAY			✓	✓
29	MAGDUM GANESH SANJAY			✓	✓
30	MALI NISHA NANDKUMAR			✓	✓
31	MALI PRADHUMN HARIKISHOR			✓	✓
32	MANKAR SNEHAL SANJAY			✓	✓
33	MARWADI OMAR BALASO			✓	✓
34	MORE SUSHANT SHANTANU			✓	✓
35	MUJAWAR ASIM RIJWAN			✓	✓
36	MULLANI ALFIZA ANWERHUSEN			✓	✓
37	NARVEKAR SATISH MARUTI			✓	✓

Page 1

ELECTIVE-VII

38	NAYKAWADI KASHMIRA MIRASO			✓	✓
39	PATIL ADESH VIJAYKUMAR			✓	✓
40	PATIL AISHWARYA SHANKAR			✓	✓
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53	RAYKAR SHUBHAM GIRIDHAR			✓	✓
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55	SADARE AKHILESH ANIL			✓	✓
56	SALVI NIKHIL SAMBHAJI			✓	✓
57	SAWANT OMAR SURYAKANT			✓	✓
58	SHETAKE SHUBHANGI SURESH			✓	✓
59	SHETE RAVINDRA AMAR			✓	✓
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67	VALAKE ANUJA RAJESH			✓	✓
68	VALAKE SONAL BHIMRAO			✓	✓

Class Co-ordinator

H.O.D.

HOD
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 & Engineering
 Sanjeevan Engg. & Tech. Institute
 Somwar Peth, Panhala - 416 201

Page 2

Elective ch

Sheet1



SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

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COMPUTER SCIENCE & ENGINEERING

EN 631B

ELECTIVE CHOICES

Class : TY B.Tech

A.Y.2021-22

Sem- VI

Elective-VI: BTCE0604 : (A) Geographic Information system (B) Biology (C) Internet of Things

Roll No	Name of Student	GIS	BIO	IOT	Sign.
1	BHASKAR VIVEK PANDIT			✓	
2	BHOI AMRUTA RAJENDRA			✓	
3	BHORE AKSHAYKUMAR KAKASO			✓	
4	CHAVAN ANIKET MARUTI			✓	
5	CHODGULE RUTUJA RAYSO			✓	
6	DALAVE MITAL KRUSHNATH	✓			
7	DALVI ASHUTOSH SANJAY			✓	
8	DAVANG VAIBHAV SADASHIV			✓	
9	DEVADKAR SOURABH SHASHIKANT			✓	
10	DHANGAR VAIBHAVI AMBAJI			✓	
11	DUDHANE RUSHIKESH SHRIDHAR			✓	
12	FIRFIRE SIKANDAR AHMED			✓	
13	GAIKWAD AARTI SUNIL			✓	
14	GURJAR SURAJ CHHOTELAL			✓	
15	HARDHAR PAWAN SANJAY			✓	
16	HULLE KALYANI SANJAY			✓	
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30	MALI NISHA NANKUMAR	✓			
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32	MANIKAR SNEHAL SANJAY			✓	
33	MARWADI OMKAR BALASO			✓	
34	MORE SUSHANT SHANTANU	✓			

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Sheet1

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39	PATIL ADESH VIJAYKUMAR	✓			
40	PATIL AISHWARYA SHANKAR	✓			
41	PATIL ANUJA ANANDRAO	✓			
42	PATIL GAURAV GORAKH	✓			
43	PATIL HARSHADA JAYSING	✓			
44	PATIL HIRTHIVIK MARUTI	✓			
45	PATIL KULDEEP DHONDIRAM	✓			
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47	PATIL RUTUJA VYANKATRAO	✓			
48	PATIL VIRAJ DINKAR	✓			
49	PAWAR SHUBHAM ANANDA	✓			
50	PHALLE MAYURESH MOHAN	✓			
51	PRANTHA P PATIL	✓			
52	RAJMANE SHIVAM SANTOSH	✓			
53	RAYKAR SHUBHAM GIRIDHAR	✓			
54	RUKADE PRIYANKA UDAY	✓			
55	SADARE AKHILESH ANIL	✓			
56	SALVI NIKHIL SAMBHAJI	✓			
57	SAWANT OMKAR SURYAKANT	✓			
58	SHETAKE SHUBHANGI SURESH	✓			
59	SHETE RAVINDRA AMAR	✓			
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61	SHINDE PRATIK VIDYADHAR	✓			
62	SHINDE ROHIT YUVARAJ	✓			
63	SHINDE SHIVANI SHASHIKANT	✓			
64	SURYA WANSHI SNEHA MOHAN	✓			
65	SUTAR SUPRIYA VIJAY	✓			
66	THORBOLE OMKAR SANJAY	✓			
67	VALAKE ANUJA RAJESH	✓			
68	VALAKE SONAL BHIMRAO	✓			

Class Co-ordinator

HOD

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Department of Computer Science
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Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala - 416 201

Page 2



Signature
PRINCIPAL

Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala - 416 201

Signature
IAC