

Dr. Babasaheb Ambedkar Technological University, Lonere

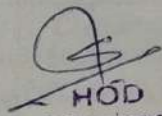
Teaching & Evaluation Scheme for Second Year B. Tech. Civil Engg.

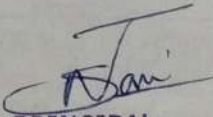
Semester- III										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
BSC 5	BTBS301	Mathematics – III	3	1	-	20	20	60	100	4
ESC 8	BTCVES302	Mechanics of Solids	3	1	-	20	20	60	100	4
PCC 1	BTCVC303	Building Construction & Drawing	2	1	-	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

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

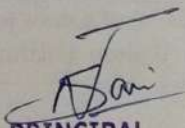
Semester- V										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
PCC 10	BTCVC501	Design of Steel Structures	2	1	-	20	20	60	100	3
PCC 11	BTCVC502	Geotechnical Engineering	3	1	-	20	20	60	100	4
PCC 12	BTCVC503	Structural Mechanics –II	2	1	-	20	20	60	100	3
PCC 13	BTCVC504	Concrete Technology	2	-	-	20	20	60	100	2
HSSMC3	BTHM505	Project Management	3	-	-	20	20	60	100	3
PEC 1	BTCVPE506 Sc	A. Advanced Environmental Engg.								
		B. Applied Geology								
		C. Hydraulic Engineering Design								
		D. Advanced Water Resources								
		E. Geomatics	3	-	-	20	20	60	100	3
		F. Town and Urban Planning								
		G. Material, Testing and Evaluation								
		H. Construction Economics & Finance								
ESC10	BTCVES507	Software applications in Civil Engineering	2	-	-	50	-	-	50	Audit
LC 7	BTCVL508	SDD of Steel Structures Lab.	-	-	2	20	-	30	50	1
LC 8	BTCVL509	Geotechnical Engineering Lab.	-	-	2	20	-	30	50	1
LC 9	BTCVL510	Concrete Technology Lab.	-	-	2	20	-	30	50	1
Internship	BTCVP410	Internship – 2 Evaluation	-	-	-	-	-	-	-	Audit
Total			17	3	6	230	120	450	800	21


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


PRINCIPAL
Sanjeevan Group Of Institutions
 (Degree Engg.), Somwarpeth, Panhala,
 Tal. Panhala, Dist. Kolhapur - 416 201 (M.S.)

Semester- VI										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
PCC 14	BTCVC601	Design of RC Structures	3	1	-	20	20	60	100	4
PCC 15	BTCVC602	Foundation Engineering	3	1	-	20	20	60	100	4
PCC 16	BTCVC603	Transportation Engineering	3	-	-	20	20	60	100	3
PEC 2	BTCVPE604	A. Industrial Waste Treatment B. Managerial Techniques C. Open Channel Flow D. Water Power Engineering E. Ground Improvement Techniques F. Structural Audit G. Intelligent Transportation Systems H. Plastic Analysis of Structures I. Numerical Methods in Civil Engg. J. Engineering Management	3	-	-	20	20	60	100	3
OEC 1	BTCVOE605	A. Environmental Impact Assessment B. Basic Human Rights C. Business Communication and Presentation Skills D. Composite Materials E. Experimental Stress Analysis F. Python Programming G. Operation Research H. Applications of Remote Sensing and Geographic Information Systems I. Civionics: Instrumentation & Sensor Technologies for Civil Engineering J. Planning for Sustainable Development K. Development Engineering	3	-	-	20	20	60	100	3
HSSMC4	BTHM606	Indian Constitution	2	-	-	50	-	-	50	Audit
LC 10	BTCVL607	SDD of RC Structures Lab.	-	-	2	20	-	30	50	1
LC 11	BTCVL608	Transportation Engineering Lab	-	-	2	20	-	30	50	1
Project	BTCVM609	Mini Project	-	-	2	20	-	30	50	1
Internship		Mandatory (BTCVP610) Field Training/ Internship/Industrial Training (minimum of 4 weeks training in Summer Vacation after Semester VI and appear at examination in Semester VII.)	-	-	-	-	-	-	-	Credits to be evaluated in VII Sem
Total			17	2	6	210	100	390	700	20


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 Sanjeevan Engineering & Technology Institute
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PRINCIPAL
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 (Degree Engg.), Somwarpeth, Panhala,
 Tal. Panhala, Dist. Kolhapur - 416 201 (M.S.)

Dr. Babasaheb Ambedkar Technological University

B.Tech. Civil Engineering

Course Structure for Semester VII (Fourth Year) w.e.f. 2023-2024

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
BTCVC701	Core	Design of Reinforced & Prestressed Concrete Structures	3	1	--	20	20	60	100	4
BTCVC702	Core	Infrastructure Engineering	3	--	--	20	20	60	100	3
BTCVC703	Core	Construction Techniques	3	--	--	20	20	60	100	3
BTCVC704	Core	Professional Practices	3	1	--	20	20	60	100	4
BTCVE705A	Elective IV	Engineering Economics	3	--	--	20	20	60	100	3
BTCVE705B		Finite Element Method								
BTCVE705C		Limit State Design of Steel Structures								
BTCVE705D		Rock Mechanics								
BTCVE705E		Applications of Drone Technology								
BTCVE705F		Advanced RC Design								
BTCVE705G		Applied Hydrology & Flood Control								
BTCVE705H		Legal Aspects in Civil Engineering Contracts								
BTCVE705I		Bridge Engineering								
BTCVOE706A	Open Elective V	Advanced Structural Analysis	3	--	--	-	--	--	--	Audit
BTCVOE706B		Air Pollution Control								
BTCVOE706C		Applications of AI and ML in Civil Engineering								
BTCVOE706D		Introduction to Earthquake Engineering								
BTCVOE706E		Internet of Things								
BTCVOE706F		Tunneling and Underground Excavations								
BTCVOE706G		Bamboo Construction Technology								
BTHM707A		Essence of Indian Traditional Knowledge	2	--	--	--	--	--	--	Audit
BTHM707B		Foreign language ^{***}								
BTCVL708		Design & Drawing of Prestressed Concrete	--	--	2	30	--	20	50	1

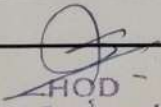
	Lab.	Structures								
BTCVL709		Professional Practices	--	--	2	30	--	20	50	1
BTCVP610	Training	Field Training / Internship/Industrial Evaluation	--	--	--	--	--	50	50	1
BTCVS710	BTS	Seminar	--	--	2	--	--	50	50	1
BTCVP711	BTP	Project Stage-I**	--	--	4	--	50	50	100	3
Total			20	2	10	160	150	490	800	24


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

B.Tech. Civil Engineering
Course Structure for Semester VIII [Fourth Year] w.e.f. 2023-2024

PRINCIPAL
 Sanjeevan Group Of Institutions
 (Degree Engg.), Somwarpeth, Panhala,
 Tal. Panhala, Dist. Kolhapur - 416 201 (M.S.)

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
BTCVSS801A	(Self-Study Course) #	Characterization of Construction Materials	02**	--	--	20	20	60	100	3
BTCVSS801B		Geo synthetics and Reinforced Soil Structures								
BTCVSS801C		Higher Surveying								
BTCVSS801D		Maintenance and Repair Of Concrete Structures								
BTCVSS801E		Structural Dynamics								
BTCVSS801F		Engineering Systems & Development								
BTCVSS801G		Sustainable River Basin Management								
BTCVSS801H		Modern Construction Materials								
BTCVSS801J		Advanced Town & Urban Planning								
BTCVSS802A	(Self-Study Course) #	Energy Efficiency Acoustics and Day lighting in Building	02**	--	--	20	20	60	100	3
BTCVSS802B		Environmental Remediation of Contaminated Sites								
BTCVSS802C		Remote Sensing Essentials								
BTCVSS802D		Mechanical Characterization of Bituminous Materials								
BTCVSS802E		Soil Structure Interaction								
BTCVSS802F		Design of Water Supply Systems								
BTCVP803	Project Stage-II	Project Stage II or Internship	--	--	24	100	--	100	200	12
Total			04	--	24	140	40	220	400	18


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

PRINCIPAL
 Sanjeevan Group Of Institutions
 (Degree Engg.), Somwarpeth, Panhala,
 Tal. Panhala, Dist. Kolhapur - 416 201 (M.S.)

DTE Code : **EN6315**



NAAC Accredited

AKTE ID : 1-0019451
AKTE Code : E-01105

HOLY WOOD ACADEMY'S
SANJIVANI

ENGINEERING & TECHNOLOGY INSTITUTE, PANCHALA

Sanjivani Knowledge City, Sanjivani Park, Panhala, Tal. Pandharpur, Dist. Kolhapur
Pin-416 201 (Maharashtra) Phone : 9148/999590

Approved By AKTE, New Delhi Recognized by Govt. of Maharashtra & DTE
Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad

Civil Engineering Department

DATE: 01/08/2024

NOTICE

It is hereby informed that to all T.Y. civil students please choose your **Elective-I** subject from the following table and give your choice to Class Coordinator before 08/08/2024, without fail.

LIST OF ELECTIVE-I SUBJECT GIVEN BY DBATU UNIVERSITY

SR. NO.	NAME OF ELECTIVE-I
1	Advanced Environmental Engg.
2	Applied Geology
3	Hydraulic Engineering Design
4	Advanced Water Resources
5	Geomatics
6	Town and Urban Planning
7	Material, Testing and Evaluation
8	Construction Economics & Finance
9	Advanced Water Resources

T.Y. Brech

CLASS COORDINATOR



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

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

Semester- V										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
PCC 10	BTCVC 501	Design of Steel Structures	2	1	-	20	20	60	100	3
PCC 11	BTCVC 502	Geotechnical Engineering	3	1	-	20	20	60	100	4
PCC 12	BTCVC 503	Structural Mechanics –II	2	1	-	20	20	60	100	3
PCC 13	BTCVC 504	Concrete Technology	2	-	-	20	20	60	100	2
HSSMC3	BTHM505	Project Management	3	-	-	20	20	60	100	3
PEC 1	BTCVPE506	A. Advanced Environmental Engg. B. Applied Geology C. Hydraulic Engineering Design D. Advanced Water Resources E. Geomatics F. Town and Urban Planning G. Material, Testing and Evaluation H. Construction Economics & Finance	3	-	-	20	20	60	100	3
ESC10	BTCVES507	Software applications in Civil Engineering	2	-	-	50	-	-	50	Audit
LC 7	BTCVL508	SDD of Steel Structures Lab.	-	-	2	20	-	30	50	1
LC 8	BTCVL509	Geotechnical Engineering Lab.	-	-	2	20	-	30	50	1
LC 9	BTCVL510	Concrete Technology Lab.	-	-	2	20	-	30	50	1
Internship	BTCVP410	Internship – 2 Evaluation	-	-	-	-	-	-	-	Audit
Total			17	3	6	230	120	450	800	21



SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE PANHALA
DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR-2024-25 ODD SEM
ELECTIVE OFFERED



ROLL NO	Name of students	Elective name										SIGN OF STUDENTS
		AEE	AGE	HEDes.	AWR	Geom	TUP	MTE	EF	AWR		
1	PATIL SAHIL ARUN							✓				
2	BHOIR DIPESH ANANTA							✓				
3	KADAM SAMARTH PRAVINKUMAR							✓				
4	SATEJ PRAVIN RUPNOOR							✓				
5	KARANDE PRACHI SANJAY							✓				
6	DINDE SAMARTH JANARDAN					✓		✓				
7	PATIL MAYUR DEEPAK							✓				
8	VYANKATESH MANOHAR PATIL							✓				
9	SATHE BHARAT DINKAR					✓		✓				
10	LOKHANDE ASHISH ANANDA							✓				
11	POWAR SAMRAT ASHOK							✓				
12	HIRUGADE ONKAR TANAJI							✓				
13	JADHAV SIDDHANT RAVINDRA					✓		✓				
14	PATIL SUSHANT ABASAHEB							✓				
15	ADULKAR SHANTANU SANTOSH							✓				
16	KHOT SHANTANU SANDIP							✓				
17	KAMBLE TUSHAR DAGADU							✓				
18	MANGORE PRATHMESH RAVINDRA							✓				
19	BHOGULKAR VAIBHAV GUNDUPANT					✓		✓				
20	GAD VINAYAK VIJAY							✓				
21	GAWADE YASH SURESH							✓				
22	PATIL VIRENDRA BHIMRAO							✓				
23	PATIL YUGANDHRA SHRIKANT					✓		✓				
24	PATIL SIDDHARTH SANJAY					✓		✓				

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE PANHALA
DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR-2024-25 ODD SEM
ELECTIVE OFFERED

Elective name											
ROLL NO	Name of students	AEE	AGE	HEDes.	AWR	Geom	TUP	MTE	EF	AWR	SIGN OF STUDENTS
25	DESAI DINESH BHAUSO							✓			
26	KUMBHAR RUSHIKESH CHANDRAKANT							✓			
27	KAMATE SHRIDHAR BABASAHEB							✓			
28	THORAVAT KUMBHAR OMKAR RAJARAM							✓			
29	BAGANE TEJAS NAYAKU							✓			
30	NANDAVDEKAR PRASAD GOPAL					✓					
31	KAMBLE SHUBHAM BAJIRAO					✓					
32	PATIL SAURABH KRISHNAT					✓					
33	SHINDE VIJAY GULSHAN							✓			
34	KAMBLE GAUTAM BALASAHEB							✓			
35	KADAM SANKET ARUN					✓					
36	DHUMALE SURAJ BHIKAJI							✓			
37	PATIL AJAY DILIP							✓			
38	TARALEKAR VIKAS RAMCHANDRA							✓			
39	PALANGE SANIKA RAMESH					✓					
40	SHINDE PRATIK RAJARAM							✓			
41	SUTAR SANDEEP SADASHIV							✓			
42	KOLI DIGAMBAR BALASO					✓					
43	KAMBLE RAKESH VINOD							✓			
44	LALE TEJAS BABURAO							✓			
45	SABALE ABHISHEK BAPU							✓			
46	DANGE ANKIT MADHUKAR							✓			
47	GAIKWAD VIVEK VYANKTESH							✓			
48	NETKE RITESH NAGESH							✓			
49	KAMBLE PREM SHRIKANT							✓			


Head of Department
Civil Engineering (Degree)
Sanjeevan Group of Institutions
Somwar Path - Panhala, Dist. Kolhapur, 431701

DTE Code : ENG315



HOLY WOOD ACADEMY'S
SANJEEVAN
GROUP OF INSTITUTIONS, PANCHALA
Sanjeevan Knowledge City, Somwar Panch-Indrapur, Panchala, Tal. Panchala, Dist. Kolhapur
Pin- 416 201 (Maharashtra) Phone : 9146999500
Approved By AICTE, New Delhi. Recognized by Govt. of Maharashtra, DTE, DOA
Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad
Affiliated to Shivaji University, Kolhapur, MSBTE, Mumbai.

DATE: 1/08/2024

NOTICE

It is hereby informed that to all third year civil students due to large number of response to **Elective-I** subject for final is in **AY 2024-25(SEM-V)** as follows.

Sr. No.	Subject code	Subject Name	Elective No.
1	BTCVPE506	Material Testing & Evaluation	Elective-I


THIRD YEAR.

CLASS COORDINATOR


(CIVIL ENGG. DEPT.)

Head of Department
Civil Engineering (Degree)
Sanjeevan Group of Institutions
Somwar Panch-Indrapur, Panchala, Dist- Kolhapur , 416201



DTE Code : EN6315



NAAC Accredited

AICTE ID : 1-000451
AISSE Code : C-1165

HOLY WOOD ACADEMY'S
SANJEEVAN

GROUP OF INSTITUTIONS, PANCHALA
Sanjeevan Knowledge City, Somwar Peth-Jajale, Panchala, Tal. Panchala, Dist. Kolhapur.
Pin- 416 201 (Maharashtra) Phone : 9146999500

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Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad
Affiliated to Shivaji University, Kolhapur, MSBTE, Mumbai.

DATE: 29/07/2024

NOTICE

It is hereby informed that to all B.Tech final year civil students please choose your **Elective-IV** subject from the following table and give your choice to Final year Class Coordinator before 31/07/2024, 4:00 pm without fail.

LIST OF SELF STUDY COURSE SUBJECT GIVEN BY DBATU UNIVERSITY

SR. NO.	NAME OF ELECTIVE- IV
1	BTCVE705A Engineering Economics
2	BTCVE705B Finite Element Method
3	BTCVE705C Limit State Design of Steel Structures
4	BTCVE705D Rock Mechanics
5	BTCVE705E Applications of Drone Technology
6	BTCVE705F Advanced RC Design
7	BTCVE705G Applied Hydrology & Flood Control
8	BTCVE705H Legal Aspects in Civil Engineering Contracts
9	BTCVE705I Bridge Engineering


FINAL YEAR.

CLASS COORDINATOR
(A.C.Thoke)




H.O.D.

Head of Department
(Civil Engineering (Degree))
Sanjeevan Group of Institutions
Somwar Peth - Panchala, Dist- Kolhapur, 416201

DTE Code : EN6315



NAAC Accredited

AICTE ID : 1-0019431
AISE Code : C-11165

HOLY WOOD ACADEMY'S
SANJEEVAN

GROUP OF INSTITUTIONS, PANHALA

Sanjeevan Knowledge City, Somwar Peth-Jalgaon, Panhala, Tal. Panhala, Dist. Kolhapur,
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Affiliated to Shivaji University, Kolhapur, MSBTE, Mumbai.

DATE: 29/07/2024

NOTICE

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SR. NO.	NAME OF ELECTIVE- V	
1	BTCVOE706A	Advanced Structural Analysis
2	BTCVOE706B	Air Pollution Control
3	BTCVOE706C	Applications of AI and ML in Civil Engineering
4	BTCVOE706D	Introduction to Earthquake Engineering
5	BTCVOE706E	Internet of Things
6	BTCVOE706F	Tunneling and Underground Excavations
7	BTCVOE706G	Bamboo Construction Technology


FINAL YEAR.

CLASS COORDINATOR
(A.C. Thoke)




(CIVIL ENGG. DEPT.)

Head of Department
Civil Engineering (Degree)
Sanjeevan Group of Institutions
Somwar Peth - Panhala, Dist- Kolhapur, 416201

Dr. Babasaheb Ambedkar Technological University

B.Tech. Civil Engineering

Course Structure for Semester VII (Fourth Year) w.e.f. 2023-2024

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
BTCVC701	Core	Design of Reinforced & Prestressed Concrete Structures	3	1	--	20	20	60	100	4
BTCVC702	Core	Infrastructure Engineering	3	--	--	20	20	60	100	3
BTCVC703	Core	Construction Techniques	3	--	--	20	20	60	100	3
BTCVC704	Core	Professional Practices	3	1	--	20	20	60	100	4
BTCVE705A	Elective IV	Engineering Economics	3	--	--	20	20	60	100	3
BTCVE705B		Finite Element Method								
BTCVE705C		Limit State Design of Steel Structures								
BTCVE705D		Rock Mechanics								
BTCVE705E		Applications of Drone Technology								
BTCVE705F		Advanced RC Design								
BTCVE705G		Applied Hydrology & Flood Control								
BTCVE705H		Legal Aspects in Civil Engineering Contracts								
BTCVE705I		Bridge Engineering								
BTCVOE706A	Open Elective V	Advanced Structural Analysis	3	--	--	-	--	--	--	Audit
BTCVOE706B		Air Pollution Control								
BTCVOE706C		Applications of AI and ML in Civil Engineering								
BTCVOE706D		Introduction to Earthquake Engineering								
BTCVOE706E		Internet of Things								
BTCVOE706F		Tunneling and Underground Excavations								
BTCVOE706G		Bamboo Construction Technology								
BTHM707A		Essence of Indian Traditional Knowledge								
BTHM707B		Foreign language**	2				--	--	--	Audit
BTCVL708		Design & Drawing of Prestressed Concrete	--	--	2	30	--	20	50	1



DTE Code : **ENG315**



NAAC Accredited

AICTE ID : 1-8019451
AISHE Code : G-11165

HOLY-WOOD ACADEMY'S
SANJEEVAN

GROUP OF INSTITUTIONS, PANCHALA

Sanjeevan Knowledge City, Somwar Peth-Jajale, Panchala, Tal. Panchala, Dist. Kolhapur,
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Q Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad
Q Affiliated to Shivaji University, Kolhapur, MSBTE, Mumbai.

**CHOICE OF ELECTIVE-IV SUBJECT GIVEN BY CIVIL ENGG.
DEPT. STUDENT**

ROLL NO.	NAME OF STUDENT	EE	FEM	LSOSS	RM	ADT	ARCD	AHFC	LACEC	BE
1	GANDITKAR SANDHYA APPARAO									✓
2	GAIKWAD PRUTHVIRAJ PRATAP									✓
3	RATHOD KIRAN VASANT									✓
4	PATIL RUTURAJ KRISHNA									✓
5	CHOUGALE DIGVIJAY DADU									✓
6	PATIL SUYOG TANAJI									✓
7	KADAM SOHAM SHIVPRASAD				✓					
8	SUTAR OMKAR SHANTARAM									✓
9	WAGARE PRATIK YUVARAJ									✓
10	PATIL HARSHVARDHAN CHANDRAKANT				✓					
11	KORKE SHUBHAM SANJAY									✓
12	HALADE SOURAV SACHIN									✓
13	AVADHOOT RAVINDRA KHADE									✓
14	MARADE ANIKET DILIP									✓
15	RAORANE ROHAN PANDHARI									✓
16	PATIL DHAIRYASHIL SNEHADIP									✓
17	PATIL ASHUTOSH YASHWANT									✓
18	KAPIL SANJAY MAHADIK									✓
19	BELVALKAR TEJAS VIJAY							✓		
20	SHINDE ANIRUDHA KUMAR									✓
21	JADHAV KARAN VIKRAMSINH									✓
22	POWAR SAKSHI DINKAR									✓
23	BHONGALE AVDHUT VINOD						✓	✓		
24	PADAWALE SAURABH DEEPAKRAO									✓
25	GHADAGE TUSHAR VILAS									✓
26	PATIL ATUL BHAGAVAN									✓
27	DASHVANT GORAKSHNATH RAJARAM									✓
28	LOHAR GANESH SANTOSH									✓
29	PATIL SAIPRASAD JANARDAN									✓
30	KAMBLE TEJAS DHANAJI									✓
31	PATIL RITESH KRUSHNAT									✓
32	PATIL VISHAL VIJAY									✓
33	RAORANE SAMRUDDHI SUNIL									✓
34	KEMBLE RAVIKANT RAGHUNATH									✓

CLASS CO-ORDINATOR
(A.C. Tho Ke)



Head of Department
Civil Engineering (Degree)
Sanjeevan Group of Institutions
Somwar Peth - Panchala, Dist- Kolhapur, 416201



HOLY-WOOD ACADEMY'S
SANJEEVAN

DTE Code : **EN6315**

NAAC Accredited

AICTE ID : 1-8019651
AISSE Code : C-11165

GROUP OF INSTITUTIONS, PANHALA

Sanjeevan Knowledge City, Sonwar Peth-Innole, Panhala, Tal. Panhala, Dist. Kolhapur
Pin-416 201 (Maharashtra) Phone : 9146999500

Approved By AICTE, New Delhi Recognized by Govt. of Maharashtra, DTE, DOA
Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad
Affiliated to Shivaji University, Kolhapur, MSBTE, Mumbai.

**CHOICE OF ELECTIVE-V SUBJECT GIVEN BY CIVIL ENGG. DEPT.
STUDENT**

ROLL NO.	NAME OF STUDENT	ASA	APC	AAIM LCE	IEE	IT	TUE	BCT
1	GANDITKAR SANDHYA APPARAO				✓			
2	GAIKWAD PRUTHVIRAJ PRATAP				✓			
3	RATHOD KIRAN VASANT				✓			
4	PATIL RUTURAJ KRISHNA		✓					
5	CHOUGALE DIGVIJAY DADU				✓			
6	PATIL SUYOG TANAJI				✓			
7	KADAM SOHAM SHIVPRASAD		✓					
8	SUTAR OMKAR SHANTARAM				✓			
9	WAGARE PRATIK YUVARAJ				✓			
10	PATIL HARSHVARDHAN CHANDRAKANT				✓			
11	KORKE SHUBHAM SANJAY		✓					
12	HALADE SOURAV SACHIN				✓			
13	AVADHOOT RAVINDRA KHADE	✓						
14	MARADE ANIKET DILIP				✓			
15	RAORANE ROHAN PANDHARI				✓			
16	PATIL DHAIRYASHIL SNEHADIP				✓			
17	PATIL ASHUTOSH YASHWANT				✓			
18	KAPIL SANJAY MAHADIK	✓						
19	BELVALKAR TEJAS VIJAY				✓			
20	SHINDE ANIRUDHA KUMAR				✓			
21	JADHAV KARAN VIKRAMSINH				✓			
22	POWAR SAKSHI DINKAR				✓			
23	BHONGALE AVDHUT VINOD				✓			
24	PADAWALE SAURABH DEEPAKRAO				✓			
25	GHADAGE TUSHAR VILAS				✓			
26	PATIL ATUL BHAGAVAN				✓			
27	DASHVANT GORAKSHNATH RAJARAM				✓			
28	LOHAR GANESH SANTOSH				✓			
29	PATIL SAIPRASAD JANARDAN				✓			
30	KAMBLE TEJAS DHANAJI				✓			
31	PATIL RITESH KRUSHNAT				✓			
32	PATIL VISHAL VIJAY				✓			
33	RAORANE SAMRUDDHI SUNIL				✓			
34	KEMBLE RAVIKANT RAGHUNATH				✓			

CLASS CO-ORDINATOR
(A.C. Thoke)



Head of Department
Civil Engineering (Degree)
Sanjeevan Group of Institutions
Sonwar Peth - Panhala, Dist- Kolhapur, 416201

DTE Code : ENG315



NAAC Accredited

AICTE ID : 1-0016481
AISHE Code : C-81165

HOLY-WOOD ACADEMY'S
SANJEEVAN

GROUP OF INSTITUTIONS, PANCHALA

Sanjeevan Knowledge City, Sonwar Peth-Jajole, Panchala, Tal. Panchala, Dist. Kolhapur,
Pin- 416 201 (Maharashtra) Phone : 9146999500

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Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad
Affiliated to Shivaji University, Kolhapur, MSRTU, Mumbai.

DATE: 1/08/2024

NOTICE

It is hereby informed that to all B.Tech final year civil students due to large number of response to **Elective-IV & Elective-V** subject for final is in **AY 2024-25(SEM-VII)** as follows.

Sr. No.	Subject code	Subject Name	Elective No.
1	BTCVE705I	Bridge Engineering	Elective-IV
2	BTCVOE706D	Introduction to Earthquake Engineering	Elective-V


FINAL YEAR.

CLASS COORDINATOR
(A. C. Thoke)




H.O.D.

Head of Department
(CIVIL ENGINEERING Degree)
Sanjeevan Group of Institutions
Sonwar Peth - Panchala, Dist- Kolhapur , 416201

DTE Code : **EN6315**



NAAC Accredited

AKTE ID : 1-0019451
AKTE Code : E-01105

HOLY WOOD ACADEMY'S
SANJIVAN

ENGINEERING & TECHNOLOGY INSTITUTE, PANCHALA

Sanjivan Knowledge City, Sanjivan Peth, Panchala, Tal. Panchala, Dist. Kolhapur
Pin-416 201 (Maharashtra) Phone : 9148/999590

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Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad

Civil Engineering Department

DATE: 01/08/2024

NOTICE

It is hereby informed that to all T.Y. civil students please choose your **Elective-I** subject from the following table and give your choice to Class Coordinator before 08/08/2024, without fail.

LIST OF ELECTIVE-I SUBJECT GIVEN BY DBATU UNIVERSITY

SR. NO.	NAME OF ELECTIVE-I
1	Advanced Environmental Engg.
2	Applied Geology
3	Hydraulic Engineering Design
4	Advanced Water Resources
5	Geomatics
6	Town and Urban Planning
7	Material, Testing and Evaluation
8	Construction Economics & Finance
9	Advanced Water Resources

T.Y. Brech

CLASS COORDINATOR



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

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

Semester- V										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
PCC 10	BTCVC 501	Design of Steel Structures	2	1	-	20	20	60	100	3
PCC 11	BTCVC 502	Geotechnical Engineering	3	1	-	20	20	60	100	4
PCC 12	BTCVC 503	Structural Mechanics –II	2	1	-	20	20	60	100	3
PCC 13	BTCVC 504	Concrete Technology	2	-	-	20	20	60	100	2
HSSMC3	BTHM505	Project Management	3	-	-	20	20	60	100	3
PEC 1	BTCVPE506	A. Advanced Environmental Engg. B. Applied Geology C. Hydraulic Engineering Design D. Advanced Water Resources E. Geomatics F. Town and Urban Planning G. Material, Testing and Evaluation H. Construction Economics & Finance	3	-	-	20	20	60	100	3
ESC10	BTCVES507	Software applications in Civil Engineering	2	-	-	50	-	-	50	Audit
LC 7	BTCVL508	SDD of Steel Structures Lab.	-	-	2	20	-	30	50	1
LC 8	BTCVL509	Geotechnical Engineering Lab.	-	-	2	20	-	30	50	1
LC 9	BTCVL510	Concrete Technology Lab.	-	-	2	20	-	30	50	1
Internship	BTCVP410	Internship – 2 Evaluation	-	-	-	-	-	-	-	Audit
Total			17	3	6	230	120	450	800	21



SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE PANHALA
DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR-2024-25 ODD SEM
ELECTIVE OFFERED



ROLL NO	Name of students	Elective name										SIGN OF STUDENTS
		AEE	AGE	HEDes.	AWR	Geom	TUP	MTE	EF	AWR		
1	PATIL SAHIL ARUN							✓				
2	BHOIR DIPESH ANANTA							✓				
3	KADAM SAMARTH PRAVINKUMAR							✓				
4	SATEJ PRAVIN RUPNOOR							✓				
5	KARANDE PRACHI SANJAY							✓				
6	DINDE SAMARTH JANARDAN					✓		✓				
7	PATIL MAYUR DEEPAK							✓				
8	VYANKATESH MANOHAR PATIL							✓				
9	SATHE BHARAT DINKAR					✓		✓				
10	LOKHANDE ASHISH ANANDA							✓				
11	POWER SAMRAT ASHOK							✓				
12	HIRUGADE ONKAR TANAJI							✓				
13	JADHAV SIDDHANT RAVINDRA					✓		✓				
14	PATIL SUSHANT ABASAHEB							✓				
15	ADULKAR SHANTANU SANTOSH							✓				
16	KHOT SHANTANU SANDIP							✓				
17	KAMBLE TUSHAR DAGADU							✓				
18	MANGORE PRATHMESH RAVINDRA							✓				
19	BHOGULKAR VAIBHAV GUNDUPANT					✓		✓				
20	GAD VINAYAK VIJAY							✓				
21	GAWADE YASH SURESH							✓				
22	PATIL VIRENDRA BHIMRAO							✓				
23	PATIL YUGANDHRA SHRIKANT					✓		✓				
24	PATIL SIDDHARTH SANJAY					✓		✓				

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE PANHALA
DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR-2024-25 ODD SEM
ELECTIVE OFFERED

Elective name											
ROLL NO	Name of students	AEE	AGE	HEDes.	AWR	Geom	TUP	MTE	EF	AWR	SIGN OF STUDENTS
25	DESAI DINESH BHAUSO							✓			
26	KUMBHAR RUSHIKESH CHANDRAKANT							✓			
27	KAMATE SHRIDHAR BABASAHEB							✓			
28	THORAVAT KUMBHAR OMKAR RAJARAM							✓			
29	BAGANE TEJAS NAYAKU							✓			
30	NANDAVDEKAR PRASAD GOPAL					✓					
31	KAMBLE SHUBHAM BAJIRAO					✓					
32	PATIL SAURABH KRISHNAT					✓					
33	SHINDE VIJAY GULSHAN							✓			
34	KAMBLE GAUTAM BALASAHEB							✓			
35	KADAM SANKET ARUN					✓					
36	DHUMALE SURAJ BHIKAJI							✓			
37	PATIL AJAY DILIP							✓			
38	TARALEKAR VIKAS RAMCHANDRA							✓			
39	PALANGE SANIKA RAMESH					✓					
40	SHINDE PRATIK RAJARAM							✓			
41	SUTAR SANDEEP SADASHIV							✓			
42	KOLI DIGAMBAR BALASO					✓					
43	KAMBLE RAKESH VINOD							✓			
44	LALE TEJAS BABURAO							✓			
45	SABALE ABHISHEK BAPU							✓			
46	DANGE ANKIT MADHUKAR							✓			
47	GAIKWAD VIVEK VYANKTESH							✓			
48	NETKE RITESH NAGESH							✓			
49	KAMBLE PREM SHRIKANT							✓			



Head of Department

Civil Engineering (Degree)

Sanjeevan Group of Institutions

Somwar Path - Panhala, Dist. Kolhapur, 431701

DTE Code : ENG315



HOLY WOOD ACADEMY'S
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GROUP OF INSTITUTIONS, PANCHALA
Sanjeevan Knowledge City, Somwar Panch-Indrapur, Panchala, Tal. Panchala, Dist. Kolhapur
Pin- 416 201 (Maharashtra) Phone : 9146999500
Approved By AICTE, New Delhi. Recognized by Govt. of Maharashtra, DTE, DOA
Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad
Affiliated to Shivaji University, Kolhapur, MSBTE, Mumbai.

DATE: 1/08/2024

NOTICE

It is hereby informed that to all third year civil students due to large number of response to **Elective-I** subject for final is in **AY 2024-25(SEM-V)** as follows.

Sr. No.	Subject code	Subject Name	Elective No.
1	BTCVPE506	Material Testing & Evaluation	Elective-I


THIRD YEAR.

CLASS COORDINATOR


(CIVIL ENGG. DEPT.)

Head of Department
Civil Engineering (Degree)
Sanjeevan Group of Institutions
Somwar Panch-Indrapur, Panchala, Dist- Kolhapur , 416201



DTE Code : EN6315



NAAC Accredited

AICTE ID : 1-000451
AISSE Code : C-1165

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DATE: 29/07/2024

NOTICE

It is hereby informed that to all B.Tech final year civil students please choose your **Elective-IV** subject from the following table and give your choice to Final year Class Coordinator before 31/07/2024, 4:00 pm without fail.

LIST OF SELF STUDY COURSE SUBJECT GIVEN BY DBATU UNIVERSITY

SR. NO.	NAME OF ELECTIVE- IV
1	BTCVE705A Engineering Economics
2	BTCVE705B Finite Element Method
3	BTCVE705C Limit State Design of Steel Structures
4	BTCVE705D Rock Mechanics
5	BTCVE705E Applications of Drone Technology
6	BTCVE705F Advanced RC Design
7	BTCVE705G Applied Hydrology & Flood Control
8	BTCVE705H Legal Aspects in Civil Engineering Contracts
9	BTCVE705I Bridge Engineering


FINAL YEAR.

CLASS COORDINATOR
(A.C.Thoke)




H.O.D.
Head of Department
(Civil Engineering (Degree))
Sanjeevan Group of Institutions
Somwar Peth - Panchala, Dist- Kolhapur , 416201



DTE Code : EN6315



NAAC Accredited

AICTE ID : 1-0019431
AISSE Code : C-11165

HOLY WOOD ACADEMY'S
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Sanjeevan Knowledge City, Somwar Peth-Jalgaon, Panhala, Tal. Panhala, Dist. Kolhapur,
Pin-416201 (Maharashtra) Phone : 9146999500
Approved By AICTE, New Delhi Recognized by Govt. of Maharashtra, DTE, DOA
Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad
Affiliated to Shivaji University, Kolhapur, MSBTE, Mumbai.

DATE: 29/07/2024

NOTICE

It is hereby informed that to all B.Tech final year civil students please choose your **Elective-V** subject from the following table and give your choice to Final year Class Coordinator before 31/07/2024, 4:00 pm without fail

SR. NO.	NAME OF ELECTIVE- V	
1	BTCVOE706A	Advanced Structural Analysis
2	BTCVOE706B	Air Pollution Control
3	BTCVOE706C	Applications of AI and ML in Civil Engineering
4	BTCVOE706D	Introduction to Earthquake Engineering
5	BTCVOE706E	Internet of Things
6	BTCVOE706F	Tunneling and Underground Excavations
7	BTCVOE706G	Bamboo Construction Technology


FINAL YEAR.

CLASS COORDINATOR
(A.C. Thoke)




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

Head of Department
Civil Engineering (Degree)
Sanjeevan Group of Institutions
Somwar Peth - Panhala, Dist- Kolhapur, 416201

Dr. Babasaheb Ambedkar Technological University

B.Tech. Civil Engineering

Course Structure for Semester VII (Fourth Year) w.e.f. 2023-2024

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
BTCVC701	Core	Design of Reinforced & Prestressed Concrete Structures	3	1	--	20	20	60	100	4
BTCVC702	Core	Infrastructure Engineering	3	--	--	20	20	60	100	3
BTCVC703	Core	Construction Techniques	3	--	--	20	20	60	100	3
BTCVC704	Core	Professional Practices	3	1	--	20	20	60	100	4
BTCVE705A	Elective IV	Engineering Economics	3	--	--	20	20	60	100	3
BTCVE705B		Finite Element Method								
BTCVE705C		Limit State Design of Steel Structures								
BTCVE705D		Rock Mechanics								
BTCVE705E		Applications of Drone Technology								
BTCVE705F		Advanced RC Design								
BTCVE705G		Applied Hydrology & Flood Control								
BTCVE705H		Legal Aspects in Civil Engineering Contracts								
BTCVE705I		Bridge Engineering								
BTCVOE706A	Open Elective V	Advanced Structural Analysis	3	--	--	-	--	--	--	Audit
BTCVOE706B		Air Pollution Control								
BTCVOE706C		Applications of AI and ML in Civil Engineering								
BTCVOE706D		Introduction to Earthquake Engineering								
BTCVOE706E		Internet of Things								
BTCVOE706F		Tunneling and Underground Excavations								
BTCVOE706G		Bamboo Construction Technology								
BTHM707A		Essence of Indian Traditional Knowledge								
BTHM707B		Foreign language**	2				--	--	--	Audit
BTCVL708		Design & Drawing of Prestressed Concrete	--	--	2	30	--	20	50	1



DTE Code : **ENG315**



NAAC Accredited

AICTE ID : 1-8019451
AISHE Code : G-11165

HOLY-WOOD ACADEMY'S
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Sanjeevan Knowledge City, Somwar Peth-Jajale, Panchala, Tal. Panchala, Dist. Kolhapur,
Pin- 416 201 (Maharashtra) Phone : 9146999500

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Q Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad
Q Affiliated to Shivaji University, Kolhapur, MSBTE, Mumbai.

**CHOICE OF ELECTIVE-IV SUBJECT GIVEN BY CIVIL ENGG.
DEPT. STUDENT**

ROLL NO.	NAME OF STUDENT	EE	FEM	LSOSS	RM	ADT	ARCD	AHFC	LACEC	BE
1	GANDITKAR SANDHYA APPARAO									✓
2	GAIKWAD PRUTHVIRAJ PRATAP									✓
3	RATHOD KIRAN VASANT									✓
4	PATIL RUTURAJ KRISHNA									✓
5	CHOUGALE DIGVIJAY DADU									✓
6	PATIL SUYOG TANAJI									✓
7	KADAM SOHAM SHIVPRASAD				✓					
8	SUTAR OMKAR SHANTARAM									✓
9	WAGARE PRATIK YUVARAJ									✓
10	PATIL HARSHVARDHAN CHANDRAKANT				✓					
11	KORKE SHUBHAM SANJAY									✓
12	HALADE SOURAV SACHIN									✓
13	AVADHOOT RAVINDRA KHADE									✓
14	MARADE ANIKET DILIP									✓
15	RAORANE ROHAN PANDHARI									✓
16	PATIL DHAIRYASHIL SNEHADIP									✓
17	PATIL ASHUTOSH YASHWANT									✓
18	KAPIL SANJAY MAHADIK									✓
19	BELVALKAR TEJAS VIJAY							✓		
20	SHINDE ANIRUDHA KUMAR									✓
21	JADHAV KARAN VIKRAMSINH									✓
22	POWAR SAKSHI DINKAR									✓
23	BHONGALE AVDHUT VINOD						✓	✓		
24	PADAWALE SAURABH DEEPAKRAO									✓
25	GHADAGE TUSHAR VILAS									✓
26	PATIL ATUL BHAGAVAN									✓
27	DASHVANT GORAKSHNATH RAJARAM									✓
28	LOHAR GANESH SANTOSH									✓
29	PATIL SAIPRASAD JANARDAN									✓
30	KAMBLE TEJAS DHANAJI									✓
31	PATIL RITESH KRUSHNAT									✓
32	PATIL VISHAL VIJAY									✓
33	RAORANE SAMRUDDHI SUNIL									✓
34	KEMBLE RAVIKANT RAGHUNATH									✓

CLASS CO-ORDINATOR
(A.C. Thoke)



Head of Department
Civil Engineering (Degree)
Sanjeevan Group of Institutions
Somwar Peth - Panchala, Dist- Kolhapur, 416201



HOLY-WOOD ACADEMY'S
SANJEEVAN

DTE Code : **EN6315**

NAAC Accredited

AICTE ID : 1-8019651
AISSE Code : C-11165

GROUP OF INSTITUTIONS, PANHALA

Sanjeevan Knowledge City, Sonwar Peth-Innole, Panhala, Tal. Panhala, Dist. Kolhapur
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Affiliated to Shivaji University, Kolhapur, MSBTE, Mumbai.

**CHOICE OF ELECTIVE-V SUBJECT GIVEN BY CIVIL ENGG. DEPT.
STUDENT**

ROLL NO.	NAME OF STUDENT	ASA	APC	AAIM LCE	IEE	IT	TUE	BCT
1	GANDITKAR SANDHYA APPARAO				✓			
2	GAIKWAD PRUTHVIRAJ PRATAP				✓			
3	RATHOD KIRAN VASANT				✓			
4	PATIL RUTURAJ KRISHNA		✓					
5	CHOUGALE DIGVIJAY DADU				✓			
6	PATIL SUYOG TANAJI				✓			
7	KADAM SOHAM SHIVPRASAD		✓					
8	SUTAR OMKAR SHANTARAM				✓			
9	WAGARE PRATIK YUVARAJ				✓			
10	PATIL HARSHVARDHAN CHANDRAKANT				✓			
11	KORKE SHUBHAM SANJAY		✓					
12	HALADE SOURAV SACHIN				✓			
13	AVADHOOT RAVINDRA KHADE	✓						
14	MARADE ANIKET DILIP				✓			
15	RAORANE ROHAN PANDHARI				✓			
16	PATIL DHAIRYASHIL SNEHADIP				✓			
17	PATIL ASHUTOSH YASHWANT				✓			
18	KAPIL SANJAY MAHADIK	✓						
19	BELVALKAR TEJAS VIJAY				✓			
20	SHINDE ANIRUDHA KUMAR				✓			
21	JADHAV KARAN VIKRAMSINH				✓			
22	POWAR SAKSHI DINKAR				✓			
23	BHONGALE AVDHUT VINOD				✓			
24	PADAWALE SAURABH DEEPAKRAO				✓			
25	GHADAGE TUSHAR VILAS				✓			
26	PATIL ATUL BHAGAVAN				✓			
27	DASHVANT GORAKSHNATH RAJARAM				✓			
28	LOHAR GANESH SANTOSH				✓			
29	PATIL SAIPRASAD JANARDAN				✓			
30	KAMBLE TEJAS DHANAJI				✓			
31	PATIL RITESH KRUSHNAT				✓			
32	PATIL VISHAL VIJAY				✓			
33	RAORANE SAMRUDDHI SUNIL				✓			
34	KEMBLE RAVIKANT RAGHUNATH				✓			

CLASS CO-ORDINATOR
(A.C. Thoke)



Head of Department
Civil Engineering (Degree)
Sanjeevan Group of Institutions
Sonwar Peth - Panhala, Dist- Kolhapur, 416201

DTE Code : **ENG315**



NAAC Accredited

AICTE ID : 1-0016481
AISHE Code : E-81165

HOLY-WOOD ACADEMY'S
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Affiliated to Shivaji University, Kolhapur, MSITE, Mumbai.

DATE: 1/08/2024

NOTICE

It is hereby informed that to all B.Tech final year civil students due to large number of response to **Elective-IV & Elective-V** subject for final is in **AY 2024-25(SEM-VII)** as follows.

Sr. No.	Subject code	Subject Name	Elective No.
1	BTCVE705I	Bridge Engineering	Elective-IV
2	BTCVOE706D	Introduction to Earthquake Engineering	Elective-V


FINAL YEAR.

CLASS COORDINATOR
(A. C. Thoke)




H.O.D.

Head of Department
(CIVIL ENGINEERING Degree)
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Course Structure for Semester III

B. Tech in Mechanical Engineering / B. Tech. in Mechanical Engineering (Sandwich)

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
HSSMA	BTHM 307	Constitution of India	2				20	20		Audit
PROJ-2	BTES209P	IT – I Evaluation	-	-	-	-	-	100	100	1
Total			14	4	8	220	100	440	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)

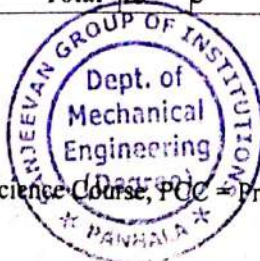
Semester IV										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				No. of Credits
			L	T	P	CA	MSE	ESE	Total	
PCC 5	BTMC401	Manufacturing Processes – I	3	1	-	20	20	60	100	4
PCC 6	BTMC402	Theory of Machines-I	3	1	-	20	20	60	100	4
HSSMC3	BTHM403	UHV II	3	0	-	20	20	60	100	3
ESC11	BTMES404	Strength of Materials	3	1	-	20	20	60	100	4
PEC 1	BTMPE405A-C	Elective-I	3	-	-	20	20	60	100	3
PCC7	BTMCL406	Mechanical Engineering Lab-II	-	-	4	60	-	40	100	2
PROJ-3	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	3	4	160	100	340	600	20

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Kolhapur - 416 201 (M.S.)

Course Structure for Semester V

B. Tech in Mechanical Engineering / B. Tech. in Mechanical Engineering (Sandwich)
(2022-23)

Semester V										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				No. of Credits
			L	T	P	CA	MSE	ESE	Total	
PCC 8	BTMC 501	Heat Transfer	3	1	-	20	20	60	100	4
PCC 9	BTMC 502	Machine Design – I	3	1	-	20	20	60	100	4
PCC 10	BTMC 503	Theory of Machines- II	3	1	-	20	20	60	100	4
PEC 2	BTMPE 504A-C BTAPE504A,D	Elective-II	3	-	-	20	20	60	100	3
OEC 1	BTMOE 505A-D	Open Elective-I	3	-	-	20	20	60	100	3
PCC 11	BTMC 506	Applied Thermodynamics	3	-	-	20	20	60	100	3
PCC12	BTMCL 507	Mechanical Engineering Lab – III	-	-	6	60	-	40	100	3
PROJ-3	BTMI 408	IT – 2 Evaluation	-	-	-	-	-	100	100	1
Total			18	3	6	180	120	500	800	25

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

Elective II

Sr. No	Course code	Course Name
1	BTMPE504A	Refrigeration and Air conditioning
2	BTMPE504B	Steam and Gas Turbines
3	BTMPE504C	Engineering Tribology
4	BTAPE504A	Fundamentals of Automobile Design
5	BTAPE504D	Automobile Engineering

Open Elective I

Sr.No.	Course code	Course Name
1	BTMOE505A	Solar Energy
2	BTMOE505B	Renewable Energy Sources
3	BTMOE505C	Human Resource Management
4	BTMOE505D	Product Design Engineering

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Course Structure for Semester VI

B. Tech in Mechanical Engineering / B. Tech. in Mechanical Engineering (Sandwich)
(2022-23)

Semester VI										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				No. of Credits
			L	T	P	CA	MSE	ESE	Total	
PCC12	BTMC 601	Manufacturing Processes-II	3	1	-	20	20	60	100	4
PCC13	BTMC 602	Machine Design-II	3	1	-	20	20	60	100	4
PEC3	BTMPE 603A-C BTAPE 603C,E	Elective-III	3	-	-	20	20	60	100	3
PEC4	BTMPE 604A-D BTAPE 604B	Elective-IV	3	-	-	20	20	60	100	3
OEC2	BTMOE 605A-E	Open Elective-II	3	-	-	20	20	60	100	3
PCC14	BTMCL 606	Mechanical Engineering Lab – IV	-	-	6	60	-	40	100	3
PROJ-4	BTMS607	B Tech Seminar	-	-	2	60	-	40	100	1
PROJ-5	BTMP 608	Mini Project (TPCS)	-	-	2	60	-	40	100	1
PROJ-6	BTMI 609 (IT-3)	Field Training / Industrial Training (minimum of 4 weeks which can be completed partially in fifth semester and sixth semester or in one semester itself).	-	-	-	-	-	-	-	Credits to be evaluated in Sem VII
Total			15	2	10	280	100	420	800	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 and Social Science including Management Courses

Elective III:

Sr.No	Course code	Course Name
1	BTMPE603A	IC Engines
2	BTMPE603B	Mechanical Vibrations
3	BTMPE603C	Machine Tool Design
4	BTMPE603D	Engineering Metrology and Quality Control
5	BTAPE603C	Advance Automobile Design
6	BTAPE603E	E – Vehicles

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Elective IV:

SrNo	Course code	Course Name
1	BTMPE604A	Process Equipment Design
2	BTMPE604B	Product Life Cycle Management
3	BTMPE604C	Finite Element Method
✓ 4	BTMPE604D	Robotics
5	BTAPE604B	Computational Fluid Dynamics

Open Elective II:

Sr.No	Course code	Course Name
1	BTMOE605A	Quantitative Techniques and Project Management
2	BTMOE605B	Nanotechnology
✓ 3	BTMOE605C	Energy Conservation and Management
4	BTMOE605D	Wind Energy
5	BTMOE605E	Introduction to Probability Theory and Statistics

Semester - V

Heat Transfer

BTMC 501	PCC 8	Heat Transfer	3-1-0	4 Credits
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Teaching Scheme:	Examination Scheme:
Lecture: 3 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	Explain the laws of heat transfer and deduce the general heat conduction equation and to explain it for 1-D steady state heat transfer in regular shape bodies
CO2	Describe the critical radius of insulation, overall heat transfer coefficient, thermal conductivity and lumped heat transfer
CO3	Interpret the extended surfaces
CO4	Illustrate the boundary layer concept, dimensional analysis, forced and free convection under different conditions
CO5	Describe the Boiling heat transfer, Evaluate the heat exchanger and examine the LMTD and NTU methods applied to engineering problems
CO6	Explain the thermal radiation black body, emissivity and reflectivity and evaluation of view factor and radiation shields

Mapping of course outcomes with program outcomes


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Course Structure for Semester VII
B. Tech in Mechanical Engineering / B. Tech. in Mechanical Engineering (Sandwich)
(2024-25)

Semester VII										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				No. of Credits
			L	T	P	CA	MSE	ESE	Total	
PCC15	BTMC701	Mechatronics	3	-	-	20	20	60	100	3
HSSMC4	BTHM702	Industrial Engineering and Management	3	-	-	20	20	60	100	3
PEC5	BTMPE703A-G BTPPE703D	Elective-V	3	-	-	20	20	60	100	3
OEC3	BTMOE704A-C	Open Elective-III	3	-	-	20	20	60	100	3
OEC4	BTMOE705A-C	Open Elective-IV	3	-	-	20	20	60	100	3
PCC16	BTMCL706	Mechanical Engineering Lab - V	-	-	4	60	-	40	100	2
PROJ-6	BTMP 707	Mini Project	-	-	6	30	-	20	50	3
PROJ-7	BTMI609	IT - 3 Evaluation	-	-	-	-	-	100	100	1
Total			15	-	10	190	100	460	750	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

Elective V:

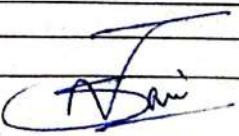
Sr. No	Course code	Course Name
1	BTMPE703A	Design of Air Conditioning Systems
2	BTMPE703B	Biomechanics
3	BTMPE703C	Non-conventional Machining
✓ 4	BTMPE703D	Advanced IC Engines
5	BTMPE703E	Additive Manufacturing
6	BTMPE703F	Surface Engineering
7	BTPPE703D	Processing of Polymers
8	BTMPE703G	Stress Analysis

Open Elective III:

Sr. No	Course code	Course Name
1	BTMOE704A	Sustainable Development
2	BTMOE704B	Entrepreneurship Development
✓ 3	BTMOE704C	Plant Maintenance


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Open Elective IV:

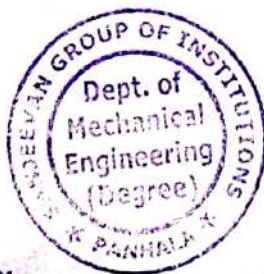
Sr.No	Course code	Course Name
1	BTMOE705A	Engineering Economics
2	BTMOE705B	Biology for Engineers
✓3	BTMOE705C	Intellectual Property Rights

Course Structure for Semester VIII

B. Tech in Mechanical Engineering / B. Tech. in Mechanical Engineering (Sandwich) 2024-25

Semester VIII										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
		Choose any two subjects from ANNEXURE-A#				20	20	60	100	3
							20	20	60	100
PROJ-8	BTMP801/ BTMI801	Project OR Internship	-	-	16	60	-	40	100	08
Total			-	-	16	100	40	160	300	14


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ANNEXURE-A# (Provisional)
Recommendations of 8th Semester Courses in Self-study Mode from NPTEL/ SWYAM Platform,
THE LIST MAY ALTER AND MODIFY AS PER THE AVAILABILITY OF THE SUBJECTS ON THE
NPTEL/ SWYAM Platform AND USEFULNESS, EVERY YEAR

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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

Six months of Internship in the industry

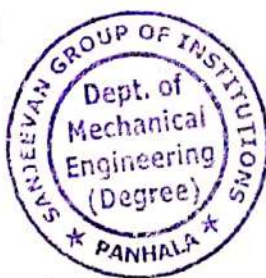
* These subjects are to be studied on self-study mode using SWAYAM/NPTEL/Any other source

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

SEM	I	II	III	IV	V	VI	VII	VIII	TOTAL
CREDITS	18	19	21	20	25	22	21	14	160

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Semester –III (Second Year)
Proposed Scheme w.e.f. July – 2021

Course Category	Course Code	Course Title	Weakly Teaching Hrs			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
	BTBS301	Engineering Mathematics – III	3	1	-	20	20	60	100	4
	BTCOC302	Discrete Mathematics	3	1	-	20	20	60	100	4
	BTCOC303	Data Structures	3	1	-	20	20	60	100	4
	BTCOC304	Computer Architecture & Organization	3	1	-	20	20	60	100	4
	BTCOC305	Elective – I (a) Object - oriented Programming in C++ (b) Object Oriented Programming in Java	3	1	-	20	20	60	100	4
	BTCOL306	Data Structures Lab & Object Oriented Programming Lab	-	-	4	60	-	40	100	2
	BTCOS307	Seminar – I	-	-	4	60	-	40	100	2
	BTES211P	Field Training / Internship / Industrial Training –I Evaluation	-	-	-	-	-	-	-	Audit
TOTAL			15	5	8	220	100	380	700	24

Semester –IV (Second Year)
Proposed Scheme w.e.f. January – 2022

Course Category	Course Code	Course Title	Weakly Teaching Hrs			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
	BTCOC401	Design & Analysis of Algorithms	3	1	-	20	20	60	100	4
	BTCOC402	Operating Systems	3	1	-	20	20	60	100	4
	BTHM403	Basic Human Rights	3	-	-	20	20	60	100	3
	BTBSC404	Probability and Statistics	3	-	-	20	20	60	100	3
	BTES405	Digital Logic Design & Microprocessors	3	1	-	20	20	60	100	4
	BTCOL406	Operating Systems & Python Programming Lab	1*	-	4	60	-	40	100	3
	BTCOS407	Seminar – II	-	-	4	60	-	40	100	2
	BTCOF408	Field Training / Internship / Industrial Training –II Evaluation	-	-	-	-	-	-	-	Audit to be evaluated in V Sem.
TOTAL			16	3	8	220	100	380	700	23

*Note: Lecture should be conducted only for Python Programming

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Semester –V (Third Year)
Proposed Scheme w.e.f. July – 2022

Course Category	Course Code	Course Title	Weakly Teaching Hrs			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
	BTCOC501	Database Systems	3	1	-	20	20	20	100	4
	BTCOC502	Theory of Computation	3	1	-	20	20	20	100	4
	BTCOC503	Software Engineering	3	1	-	20	20	20	100	4
	BTCOE504	Elective – II (A) Human computer Interaction (B) Numerical Methods	3	-	-	20	20	20	100	3
	BTHM505	Elective – III (A) Economics and Management (B) Business Communication	3	-	-	20	20	20	100	3
	BTCOL506	Database Systems & Software Engineering Lab	-	-	4	60	-	40	100	2
	BTCOM507	Mini-project – I	-	-	4	60	-	40	100	2
	BTCOF408	Field Training / Internship / Industrial Training-II (Evaluation)	-	-	-	-	-	-	-	Audit
TOTAL			15	3	8	220	100	380	700	22

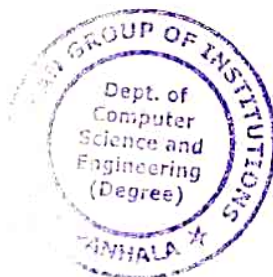
Semester –VI (Third Year)
Proposed Scheme w.e.f. January – 2023

Course Category	Course Code	Course Title	Weakly Teaching Hrs			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
	BTCOC601	Compiler Design	3	1	-	20	20	60	100	4
	BTCOC602	Computer Networks	3	1	-	20	20	60	100	4
	BTCOC603	Machine Learning	3	1	-	20	20	60	100	4
	BTCOE604	Elective – IV (A) Geographic Information System (B) Internet of Things (C) Embedded Systems	3	-	-	20	20	60	100	3
	BTHM605	Elective – V (A) Development Engineering (B) Employability and Skill Development (C) Consumer Behaviour	3	-	-	20	20	60	100	3
	BTCOL606	Competitive Programming & Machine Learning Lab	1*	-	4	60	-	40	100	3
	BTCOM607	Mini-project – II	-	-	4	60	-	40	100	2
	BTCOF608	Field Training / Internship / Industrial Training-III	-	-	-	-	-	-	-	Audit to be Evaluated in VII Sem.
TOTAL			16	3	8	220	100	380	700	23

*Note: Lecture should be conducted only for Competitive Programming


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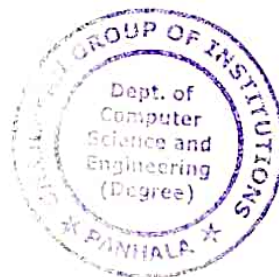
Semester –VII (Final Year)
Proposed Scheme w.e.f. July – 2023

Course Category	Course Code	Course Title	Weakly Teaching Hrs			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
	BTCOC701	Artificial Intelligence	3	-	-	20	20	60	100	3
	BTCOC702	Cloud Computing	3	-	-	20	20	60	100	3
	BTCOE703	Elective – VI (A) Bioinformatics (B) Distributed System (C) Big Data Analytics	3	-	-	20	20	60	100	3
	BTCOE704	Open Elective – VII (A) Cryptography and Network Security (B) Business Intelligence (C) Block chain Technology	3	-	-	20	20	60	100	3
	BTCOE705	Open Elective – VIII (A) Virtual Reality (B) Deep Learning (C) Design Thinking	3	-	-	20	20	60	100	3
	BTHM706	Foreign Language Studies*	-	-	4	-	-	-	-	Audit
	BTCOL707	Artificial Intelligence & Cloud Computing Lab	-	-	4	60	-	40	100	2
	BTCOS708	Project Phase – I	-	-	-	60	-	40	100	2
	BTCOF608	Field Training / Internship / Industrial Training –III (Evaluation)	-	-	-	-	-	-	-	Audit
TOTAL			15	-	8	220	100	380	700	19

*Any Foreign language can be opted by the students as per their need /demand conducted in online or offline mode by the institute.

[Signature]
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Semester –VIII (Final Year)
Proposed Scheme w.e.f. January – 2024

Course Category	Course Code	Course Title	Weakly Teaching Hrs			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
	BTCOF801	Project phase – II (In-house) / Internship and Project in Industry	-	-	24	60	-	40	100	12
TOTAL			-	-	24	60	-	40	100	12

[Signature]
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Date: 01/08/2024

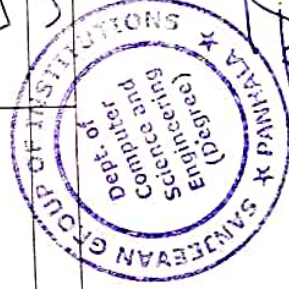
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

TY A Division Elective Subject Selection

Roll No.	Name of Student	Human computer Interaction	Numerical Methods	Sign
1	DHARAN AJAY VINOD	✓	✓	<u>Pray</u>
2	TIRE ANANT GORAKHINATHI	✓	✓	<u>Anant</u>
3	RAUT RODRA NISHANT			
4	DHOLE KAILASHBHAI	✓		<u>Shole</u>
5	BAMBH GADE SAINATHASHOK	✓	✓	<u>Shinde</u>
6	SHINDE PRACHI NAMDEV	✓	✓	<u>Pratik</u>
7	GAIKWAD SANIKA SATISH	✓		<u>Pratik</u>
8	KAPASE KUTANKUMAR KUBER	✓	✓	<u>Pratik</u>
9	POI PRADIP KABHUPAL	✓	✓	<u>Pratik</u>
10	DESAI SHIDHESH SHAILENDRA	✓	✓	<u>Pratik</u>
11	ATIANIKAR NADAL NAHIDA FAHAYZ	✓	✓	<u>Pratik</u>
12	SARTHAK RAOSAHEB GOLDE	✓	✓	<u>Pratik</u>
13	PATIL SOURABH RAOSAHEB	✓	✓	<u>Pratik</u>
14	TUDES BHEKAJI DHIRE	✓	✓	<u>Pratik</u>
15	PATIL PRANAV BABAN	✓	✓	<u>Pratik</u>
16	RUDEKAR PRANTHA DIPAK	✓	✓	<u>Pratik</u>
17	PARTI SANKET DATTATRAY	✓	✓	<u>Pratik</u>
18	JAGTAP ADITHYAN	✓	✓	<u>Pratik</u>
19	PATIL SAKSHI PANDHARINATHI	✓	✓	<u>Pratik</u>
20	PATIL RAJESHWAR KRISHNAT	✓	✓	<u>Pratik</u>
21	MAAT PRASAD NANDKUMAR	✓	✓	<u>Pratik</u>
22	SURVASE SURAJ GOPICHAND	✓	✓	<u>Pratik</u>
23	MORDE PRADEEP ANIL	✓	✓	<u>Pratik</u>
24	PATIL GADJAN ABHINAV	✓	✓	<u>Pratik</u>
25	SAWANT HARSHADA BHIMARAO	✓	✓	<u>Pratik</u>
26	SATVILKAR MUSKAN HUSAIN	✓	✓	<u>Pratik</u>
27	JADHAV SURAJ SAYAJI	✓	✓	<u>Pratik</u>
28	CHALAKI PRATHIKSHA SANJAY	✓	✓	<u>Pratik</u>
29	PAWAR AKASH SURYAKANT	✓	✓	<u>Pratik</u>
30	BATAGE APTIKSHA ANANDA	✓	✓	<u>Pratik</u>
31	KASTURI VISHAL DATTATRAY	✓	✓	<u>Pratik</u>
32	PADGHI WAR KRUSHNA MANOHARRAO	✓	✓	<u>Pratik</u>
33	PATIL AKASH DHARMENDRA	✓	✓	<u>Pratik</u>
34	PATIL KAPIL KAILAS	✓	✓	<u>Pratik</u>
35	SURYAN/ANSHI SANIKA KASHINATHI	✓	✓	<u>Pratik</u>
36	MAHIMKAR AMRISHWAR SUNIL	✓	✓	<u>Pratik</u>
37	JADHAV ADITYA BAJIRAV	✓	✓	<u>Pratik</u>
38	PATIL KUNAL KRISHNAT	✓	✓	<u>Pratik</u>



Roll No.	Name of Student	Human computer Interaction	Numerical Methods	Sign
39	SARATE DIKSHA DATTATRAY			<u>D. Sarate</u>
40	SUTAR OMKAR SANJAY	✓	X	<u>S. Sutar</u>
41	PATIL SANDHYARANI VIDAY	✓	X	<u>S. Patil</u>
42	POWAR SIDHANT SANJAY	✓	X	<u>S. Powar</u>
43	VAIBHAV NIVAS SUATR	✓	X	<u>V. Vaibhav</u>
44	PATIL SHRADDHA SATYAJIT	✓	X	<u>S. Patil</u>
45	CHAVAN SAKSHI SUNIL	✓	X	<u>C. Chavan</u>
46	PATIL SUDESH DATTATRAY	✓	X	<u>S. Patil</u>
47	PATIL OMKAR RABU	✓	X	<u>P. Patil</u>
48	UKARANDU BHUSILAN HARIDAS	✓	X	<u>B. Ukaranadu</u>
49	MHARUGADE SAHIL SAMBUHAJI	✓	X	<u>M. Mharugade</u>
50	PATIL SAHIL SURESH	✓	X	<u>P. Patil</u>
51	DHUMAL SHIRANG PANDURANG	✓	X	<u>D. Dhumal</u>
52	KARADE TANISHAQ SHAMLENDRA	✓	X	<u>K. Karade</u>
53	KALE UDAY PRAKASH	✓	X	<u>K. Kale</u>
54	BHOSLE SMIKSHA DHANAJIRAO	✓	X	<u>B. Bhosle</u>
55	ANIRUDDHA ARVIND MHAVALE	✓	X	<u>A. Aniruddha</u>
56	PATIL SARITA KRUSHNA	✓	X	<u>P. Patil</u>
57	AJINKYA SHIV PRASAD GAWALI	✓	X	<u>A. Ajinkya</u>
58	CHAVAN DINESH UTTAM	✓	X	<u>C. Chavan</u>
59	CHANDANE SANIYA VISHWAS	✓	X	<u>C. Chandane</u>
60	PATIL PRUTHIVIRAJ DHANAJI	✓	X	<u>P. Patil</u>
61	DALADKAR ROHAN ASHOK	✓	X	<u>D. Daladkar</u>
62	DHOTE SEBAL ABASATHEB	✓	X	<u>D. Dhote</u>
63	MULLANI FAIZA DASTAGIR	✓	X	<u>M. Mullani</u>
64	KUMBHAR AMISHA UTTAM	✓	X	<u>K. Kumbhar</u>
65	BHOSALE SAHIL SURESH	✓	X	<u>B. Bhosale</u>
66	BELARADE RUTURAJ SHANKAR	✓	X	<u>B. Belarade</u>
67	GHORPADE BALKRUSHNA SUNIL	✓	X	<u>G. Ghorpade</u>
68	UDALE OMKAR ROHIT	✓	X	<u>U. Udale</u>
69	SAWANT VIRAJ VIKAS	✓	X	<u>S. Sawant</u>
70	MHANGORI PRATHINESH SHANKAR	✓	X	<u>M. Mhangori</u>
71	KHAVARE PRADNYA KRISHNAT	✓	X	<u>K. Khavare</u>
72	SATPUTE SANIKA VIKAS	✓	X	<u>S. Satpute</u>
73	RANAGE SAKSHI KASHINATH	✓	X	<u>R. Ranage</u>
74	KAMBLE APARNA TUKARAM	✓	X	<u>K. Kamble</u>



Class Coordinator

Head of Department

PRINCIPAL

Head of Department

Sanjeevan Group Of Institutions
(Degree Engg.), Somwarpeth, Panhala,

Computer Science and Engineering (Degree)

Tal. Panhala, Dist. Kolhapur - 416 201 (M.S.)

Sanjeevan Group of Institutions,

Somwar Peth - Panhala, Dist. Kolhapur, 416201

Course Structure for Second Year

B. Tech in Electronics and Computer Engineering

Semester IV (Term 4)										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
PCC3	BTEPC401	Python Programming	3	1	-	20	20	60	100	4
PCC4	BTEPC402	Database Management System	3	1	-	20	20	60	100	4
HSSMC3	BTIIM403	Basic Human Rights	3	-	-	20	20	60	100	3
BSC8	BTBS404	Probability Theory and Random Processes	3	-	-	20	20	60	100	3
PEC-1	BTECPE405	Professional Elective Courses -I								
	BTECPE405 A	1. Microcontroller and Advanced Processor								
	BTECPE405 B	2. Data Analysis	3	1	-	20	20	60	100	4
	BTECPE405 C	3. Electromagnetic Engineering and Wave Propagation								
	BTECPE405 D	4. Linux OS								
LC2	BTECPL406	Python Programming Lab and Database Management System Lab	-	-	4	60	-	40	100	2
Seminar	BTECS407	Seminar - II	-	-	4	60	-	40	100	2
Internship	BTECP408	Internship -II	-	-	-	-	-	-	-	Audit
			15	3	8	220	100	380	700	22

Note: The Lab of Professional Elective Courses -I (PEC1) (BTECPE405) should be conducted as per syllabus contents.

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



PRINCIPAL

Sanjeevan Group Of Institutions
(Degree Engg.), Somwarpeth, Panhala,
Tal. Panhala, Dist. Kolhapur - 416 201 (M.S.)

Pyke

Head of Department

Electronics and Computer Engineering (Degree)
Sanjeevan Group of Institutions,
Somwar Peth - Panhala, Dist-Kolhapur, 416201

Dr. Babasaheb Ambedkar Technological University, Lonere.

**B.Tech (Electrical Engineering / Electrical Engineering (Electronics and Power)/ Electrical & Electronics Engg / Electrical & Power Engineering)
Curriculum of Second Year**

Semester III

Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
BSC	BTBS301	Engineering Mathematics-III	3	1	-	20	20	60	100	4
PCC1	BTEEC302	Electrical Machines-I	3	1	-	20	20	60	100	4
PCC2	BTEEC303	Electrical and Electronics Measurement	3	1	-	20	20	60	100	4
HSSMC	BTHM304	Basic Human Rights	2	-	-					Audit
ESC	BTES305	Engineering Material Science	3	-	-	20	20	60	100	3
LC	BTEEL306	Electrical Machines-I Lab			2	60		40	100	1
LC	BTEEL307	Electrical and Electronics Measurement Lab			2	60		40	100	1
Project	BTEEP308	Mini Project-I			4	60		40	100	2
Internship	BTES211P	Internship-I Evaluation						50	50	1
			14	3	8	260	80	410	750	20

Semester IV

Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
PCC3	BTEEC401	Network Theory	3	1	-	20	20	60	100	4
PCC4	BTEEC402	Power System	3	1	-	20	20	60	100	4
PCC5	BTEEC403	Electrical Machine-II	3	1	-	20	20	60	100	4
BSC	BTBS404	Analog and Digital Electronics	3	-	-	20	20	60	100	3
PEC1	BTEEP405	Group A	3	-	-	20	20	60	100	3
LC	BTEEL406	Network Theory Lab	-	-	2	30		20	50	1
LC	BTEEL407	Power System Lab	-	-	2	30		20	50	1
LC	BTEEL408	Electrical Machine-II Lab	-	-	2	30		20	50	1
LC	BTEEL409	Analog and Digital Electronics lab	-	-	2	30		20	50	1
Internship	BTEEP410	Internship-II (minimum of 4 weeks which can be completed partially in third or fourth semester or in at one time)	-	-	-	-	-	-	-	-
						220	100	380	700	22

Group-A

- (A) Electromagnetic Field Theory
- (B) Signals and System
- (C) Advance Renewable Energy Sources
- (D) Electronic Devices and Circuits



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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

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Online NPTEL Course



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Curriculum for Semester VII

Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
PCC10	BTEEC701	High Voltage Engineering	3	1	-	20	20	60	100	4
PCC11	BTEEC702	Power System Operation & Control	3	1	-	20	20	60	100	4
PEC4	BTEEP703	Group F	3	-	-	20	20	60	100	3
OEC3	BTEEOE704	Group G	3	-	-	20	20	60	100	3
OEC4	BTEEOE705	Group H	3	-	-	20	20	60	100	3
HSSMC	BTHM706	Engineering Operations and Project Management	-	-	-	-	-	-	-	Audit
LC	BTEEL707	High Voltage Engineering Lab	-	-	2	60	-	40	100	1
Project	BTEEM708	Inhouse Project Part-I /Miniproject-III	-	-	4	60	-	40	100	2
Internship	BTEEP609	Internship-III Evaluation	-	-	-	-	-	50	50	1
Total			15	2	10	340	100	510	950	21

Semester VIII

Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
PEC5	BTEEP801	NPTEL online courses	3	-	-	20	20	60	100	3
Project/Internship	BTEEP802	Inhouse Project Part-II /Internship in Industry.	-	-	26	60	-	40	100	12
Total										15

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 Course

Important Note: Minimum Eight Experiment to perform based on the syllabus for the laboratory subject.

Semester VII

BTEEP703 Professional Elective (Group F)	BTEEOE704 Open Elective (Group G)	BTEEOE705 Open Elective (Group H)
(A) Energy Audit and Conservation	(A) Process Control Instrumentation	(A) Testing, Maintenance and Commissioning of Electrical Equipment
(B) Electrical System Design for Building	(B) Biomedical Instrumentation	(B) Electric and Hybrid Electric Vehicles
(C) Applications of Power Electronics in Power System	(C) Mechatronics	(C) Internet of Things (IoT)
(D) Electrical Utilization		

