



D Y PATIL
COLLEGE OF
ENGINEERING & TECHNOLOGY
(AN AUTONOMOUS INSTITUTE)
KASABA BAWADA, KOLHAPUR

D. Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY, KOLHAPUR

Teaching and Evaluation Scheme from Year 2024-25 (as per NEP-2020)

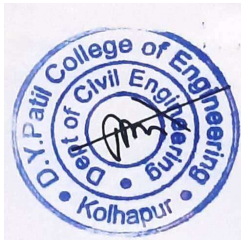
Second Year B. Tech. Civil Engineering

SEMESTER-III

Sr. No	Course Code	Course Type	Course Name	Teaching Scheme			Theory			Practical/Tutorial		Total Marks	
				Credits	Contact Hrs			ISE	MSE	ESE	INT		OE/PoE
					L	P	T						
1	231CEPCCL201	PCC	Building Construction	3	3	-	-	20	30	50	-	-	100
2	231CEPCCL202	PCC	Mechanics of Structure	3	3	-	-	20	30	50	-	-	100
3	231CEPCCL203	PCC	Surveying and Geomatics	2	2	-	-	-	-	50	-	-	50
4	231CEPCCP201	PCC	Building Construction Lab	1	-	2	-	-	-	-	25	-	25
5	231CEPCCP202	PCC	Mechanics of Structure Lab	1	-	2	-	-	-	-	25	25	50
6	231CEFP201	FP	Surveying Project	2	1	2	-	-	-	-	25	25	50
7	231CEMDML201	MDM-1	Commercial Aspects in Civil Engineering	2	2	-	-	20	-	30	-	-	50
8	231CEVECL201	VEC	Environmental Ethics and Sustainability	2	2	-	-	20	30	-	-	-	50
9	231CEOECL201-203	OEC-1	Open Elective-I (Online)	4	2 ^{\$}	-	-	20	30	50	25	-	125
10	231CEHSSML201	HSSM	Project Management	2	2	-	-	20	30	-	-	-	50
11	231CEMCL201	MC	Finishing School Training III	-	3 [*]	-	-	-	-	-	50 [*]	-	Grade
12	231CECCAP201	CCA	Liberal Learning	-	-	2	-	-	-	-	50 [*]	-	Grade
Total				22	17	8	-	120	150	230	100	50	650

\$ - Contact hours for online course *-Values not included in total **Min. Marks for Passing:** 40% of total marks of individual course

OEC-1 (Online): 201. Air pollution and Control, 202. Traffic Engineering, 203. Remote Sensing Essentials





D Y PATIL
COLLEGE OF
ENGINEERING & TECHNOLOGY
(AN AUTONOMOUS INSTITUTE)
KASABA BAWADA, KOLHAPUR

D. Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY, KOLHAPUR

Teaching and Evaluation Scheme from Year 2024-25 (as per NEP-2020)

Second Year B. Tech. Civil Engineering

SEMESTER-IV

Sr. No	Course Code	Course Type	Course Name	Teaching Scheme			Theory			Practical/ Tutorial		Total Marks	
				Credits	Contact Hrs			ISE	MSE	ESE	INT		OE/ PoE
					L	P	T						
1	231CEPCCL204	PCC	Environmental Engineering	3	3	-	-	20	30	50	-	-	100
2	231CEPCCL205	PCC	Soil Mechanics	3	3	-	-	20	30	50	-	-	100
3	231CEPCCL206	PCC	Concrete Technology	2	2	-	-	-	-	50	-	-	50
4	231CEPCCP204	PCC	Environmental Engineering Lab	1	-	2	-	-	-	-	25	25	50
5	231CEPCCP205	PCC	Soil Mechanics Lab	1	-	2	-	-	-	-	25	25	50
6	231CEMDML202	MDM-2	Infrastructure Engineering	2	2	-	-	20	-	30	-	-	50
7	231CEVECL202	VEC	Environmental Studies	2	2	-	-	-	-	50	-	-	50
8	231CEOECL204-206	OEC-2	Open Elective-II	2	2	-	-	-	-	50	-	-	50
9	231CEHSSML202	HSSM	Principles of Economics	2	2	-	-	20	30	-	-	-	50
10	231CEAECP201	AEC	Mini Project	2	-	4	-	-	-	-	50	-	50
11	231CEVSECP201	VSEC	Material Testing	2	1	2	-	-	-	-	25	25	50
12	231CEMCL202	MC	Finishing School Training IV	-	3*	-	-	-	-	-	50*	-	Grade
13	231CECCAP202	CCA	Liberal Learning	-	-	2	-	-	-	-	50*	-	Grade
Total				22	17	12	-	80	90	280	125	75	650

* - Values not included in total **Min. Marks for Passing:** 40% of total marks of individual course

OEC-2: 204. Disaster Management, 205. Green Building, 206. Water Supply Engineering





D Y PATIL
COLLEGE OF
ENGINEERING & TECHNOLOGY
(AN AUTONOMOUS INSTITUTE)
KASABA BAWADA, KOLHAPUR

D. Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY, KOLHAPUR

Teaching and Evaluation Scheme from Year 2025-26 (as per NEP-2020)

Third Year B. Tech. Civil Engineering

SEMESTER-VI

Sr. No	Course Code	Course Type	Course Name	Teaching Scheme			Theory			Practical/ Tutorial		Total Marks	
				Credits	Contact Hrs			ISE	MSE	ESE	INT		OE/ PoE
					L	P	T						
1	231CEPCCL304	PCC	Design of Steel Structures	3	3	-	-	20	30	50	-	-	100
2	231CEPCCL305	PCC	Estimation & Valuation	3	3	-	-	20	30	50	-	-	100
3	231CEPCCL306	PCC	Building Planning	2	2	-	-	-	-	50	-	-	50
4	231CEPCCP304	PCC	Design of Steel Structures Lab	1	-	2	-	-	-	-	25	25	50
5	231CEPCCP305	PCC	Estimation & Valuation Lab	1	-	2	-	-	-	-	25	25	50
6	231CEPECL304-306	PEC-2	Professional Elective-II	4	3	-	1	20	30	50	25	-	125
7	231CEPECL307-309	PEC-3	Professional Elective-III	3	3	-	-	20	30	50	-	-	100
8	231CEPECP304-306	PEC-3	Professional Elective-III Lab	1	-	2	-	-	-	-	25	-	25
9	231CEMDML302	MDM-4	Remote Sensing and GIS	2	2	-	-	20	-	30	-	-	50
10	231CEVSECP301	VSEC	Planning and Interior Design	2	1	2	-	-	-	-	25	25	50
11	231CEMCL302	MC	Finishing School Training V	-	3*	-	-	-	-	-	50*	-	Grade
12	231CECCAP302	CCA	Liberal Learning	-	-	2*	-	-	-	-	50*	-	Grade
Total				22	17	8	1	100	120	280	125	75	700

* - Values not included in total **Min. Marks for Passing:** 40% of total marks of individual course

PEC-2 : 304. Design of Hydraulic Structures, 305. Ground Water Hydrology, 306. River Engineering

PEC-3: 307. Advance Highway Engineering, 308. Railway and Tunnel Engineering, 309. Total Quality Management





D Y PATIL
COLLEGE OF
ENGINEERING & TECHNOLOGY
(AN AUTONOMOUS INSTITUTE)
KASABA BAWADA, KOLHAPUR

D. Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY, KOLHAPUR

Teaching and Evaluation Scheme from Year 2026-27 (as per NEP-2020)

Final Year B. Tech. Civil Engineering

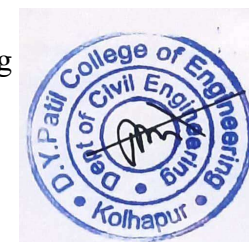
SEMESTER-VII

Sr. No	Course Code	Course Type	Course Name	Teaching Scheme			Theory			Practical/Tutorial		Total Marks	
				Credits	Contact Hrs			ISE	MSE	ESE	INT		OE/PoE
					L	P	T						
1	231CEPCCL401	PCC	Design of Concrete Structures	3	3	-	-	20	30	50	-	-	100
2	231CEPCCL402	PCC	Irrigation Engineering	2	2	-	-	-	-	50	-	-	50
3	231CEPCCP401	PCC	Design of Concrete Structures Lab	1	-	2	-	-	-	-	25	25	50
4	231CEPECL401-403	PEC-4	Professional Elective-IV	3	3	-	-	20	30	50	-	-	100
5	231CEPECL404-406	PEC-5	Professional Elective-V	3	3	-	-	20	30	50	-	-	100
6	231CEMDML401	MDM-5	Project Management and Estimation	2	2	-	-	20	-	30	-	-	50
7	231CERML401	RM	Research Methodology (Online)	4	2 ^{\$}	-	-	20	30	50	25	-	125
8	231CEPRP401	PR	Research Project	4	-	8	-	-	-	-	100	25	125
9	231CECCAP401	CCA	Liberal Learning	-	-	2*	-	-	-	-	50*	-	Grade
Total				22	13	10	-	100	120	280	150	50	700

\$ - Contact hours for online courses * - Values not included in total **Min. Marks for Passing:** 40% of total marks of individual course

PEC-4 : 401. Earthquake Engineering, 402. Pre-stressed Engineering, 403. Advance Structural Analysis

PEC-5: 404. Intelligent Transportation Systems, 405. Advanced Construction Methods, 406. Dock-harbour and Airport Engineering





D Y PATIL
COLLEGE OF
ENGINEERING & TECHNOLOGY
(AN AUTONOMOUS INSTITUTE)
KASABA BAWADA, KOLHAPUR

D. Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY, KOLHAPUR

Teaching and Evaluation Scheme from Year 2026-27 (as per NEP-2020)

Final Year B. Tech. Civil Engineering

SEMESTER-VIII

Sr. No	Course Code	Course Type	Course Name	Teaching Scheme			Theory			Practical/Tutorial		Total Marks	
				Credits	Contact Hrs			ISE	MSE	ESE	INT		OE/PoE
					L	P	T						
1	231CEPCCL403	PCC	Retrofitting and Rehabilitation of Civil Infrastructure (Online)	4	2 ^{\$}	-	-	20	30	50	25	-	125
2	231CEPECL407-409	PEC-6	Professional Elective-VI (Online)	2	1 ^{\$}	-	-	-	-	50	-	-	50
3	231CEMDML402	MDM-6	Construction Methods and Equipment Management (Online)	2	1 ^{\$}	-	-	-	-	50	-	-	50
4	231CEINTP401	INT	Internship	12	-	24*	-	-	-	-	100	300	400
			Total	20	4	-	-	20	30	150	125	300	625

§ - Contact hours for online courses * - Values not included in total **Min. Marks for Passing:** 40% of total marks of individual course

PEC-6 (Online): 407. Industrial Waste Water Treatment, 408. Plastic Waste Management, 409. Environmental Remediation of Contaminated Sites

