

ASHOKRAO MANE GROUP OF INSTITUTIONS	
DEPARTMENT OF CIVIL ENGINEERING	
Academic Year: -	2023_24
Class & Semester: -	5 ^Y EVEN
Course Code & Course: -	BTCVC406 - Engineering Geology
Subject Incharge: -	Prof. S. S. Chokkarkar

No. of Students Appeared	43	18	18	43	18	18	44	18	18	40	9	12	8	11
Threshold Marks	18	13	6	19	18	15	17	16	18	26	9	9	6	11
%	41.86	72.22	33.33	44.19	100.00	83.33	38.64	88.89	100.00	65.00	100.00	100.00	75.00	100.00
Attainment Level		3	2		3	3		3	3	2	3	3	3	3
Average					CO1 =		3			CO2 =		3		

PRN	Name of Student	CA-I 10	CA-II 10	ESE 60	MSE										
					20	Q 1 (5)					Q 2 (15)				
						1(1) CO1	2(1) CO1	3(1) CO1	4(1) CO1	5(1) CO1	1(5) CO1	2(5) CO1	3(5) CO2	4(5) CO2	5(5) CO2
2262171191001	Yadav Bhakti Sanjay	9	9	8	17	1	1	1	0	1	4	4	5		
2262171191002	Vadar Sanket Pandurang	9	9	0	17	1	1	1	1	1		4	4		4
2262171191003	Rajput Dipak Singh Narendrakumar	6	6	1	14	1	1	0	1	1	3		4		3
2262171191005	Karke Pranav Vitthal	8	8	8	17	1	1	1	1	1	4	3		5	
2262171191007	Kamble Ujjwala Nathaji	9	9	31	16	1	1	1	1	1		3		4	4
2262171191008	Tanugade Pratamesh Anant	7	5	1	12	1	1	0	1	1	3		2		3
2262171191009	Taigade Sakshi Sunil	9	9	8	17	1	1	1	1	1	4	4		4	
2262171191010	Shingade Suraj Dhondiram	8	9	0	16	1	1	1	1	1	3		4	4	
2262171191012	Awale Abhinandan Sachitanand	8	8	10	15	1	1	0	1	1	3		4		4
23062171191501	Jagdale Dipalee Yashwant	7	8	27	18	1	1	1	1	1	4			4	
23062171191502	Zanjage Prajwal Madhukar	8	8	30	17	1	0	1	1	1		4	5		4
23062171191503	Shingade Aakanksha Sanjay	9	10	26	19	1	1	1	1	1	5		4		5
23062171191504	Nikam Anagha Gorakh	6	6	2	12	1	1	1	0	1	3		2		3
23062171191505	Mane Ajaysinh Sharadrao	7	9	7	18	1	1	1	1	1	4	5		4	
23062171191506	Patil Shreyas Vijaykumar	6	6	29	12	1	0	1	1	1	3			2	3
23062171191507	Porlekar Yutiraj Manik	6	7	5	13	1	1	1	1	1		3	2		3
23062171191509	Koravi Shreya Shashikant	10	9	29	18	1	1	1	1	1	4		5		4
23062171191510	Chougule Pruthviraj Pramod	6	6	7	12	1	0	1	1	1	3		3	2	

Indirect CO Attainment

Computation of CO's for Indirect Attainment in the course

CO's	CO1	CO2	CO3	CO4
Student Answered Level 1	0	2	2	2
Student Answered Level 2	7	11	7	9
Student Answered Level 3	11	5	9	7
Total Student Participated	18	18	18	18
CO Attainment	2.61	2.17	2.39	2.28

Course Exit Survey	Level 1	Level 2	Level 3
	0	2	2
	7	11	7
	11	5	9

Course Exit Survey

PRN	Name of Student	Did you recognize the different land forms which are formed by various geological agents ?	Did you identify the origin, texture and structure of various rocks and physical properties of mineral ?	Did you understand geological structures which have influence on the civil engineering structure	Did you understand how the various geological conditions affect the design parameters of structures ?
2262171191001	Yadav Bhakti Sanjay	3	2	2	1
2262171191002	Vadar Sanket Pandurang	3	2	3	2
2262171191003	Rajput Dipak Singh Narendrakumar	2	2	1	1
2262171191005	Karke Pranav Vitthal	3	2	2	2
2262171191007	Kamble Ujjwala Nathaji	3	1	2	2
2262171191008	Tanugade Pratamesh Anant	3	3	3	2
2262171191009	Taigade Sakshi Sunil	2	2	2	3
2262171191010	Shingade Suraj Dhondiram	2	2	3	2
2262171191012	Awale Abhinandan Sachitanand	2	3	2	3
23062171191501	Jagdale Dipalee Yashwant	3	3	3	3
23062171191502	Zanjage Prajwal Madhukar	3	2	2	3
23062171191503	Shingade Aakanksha Sanjay	3	3	3	2
23062171191504	Nikam Anagha Gorakh	2	2	1	2
23062171191505	Mane Ajaysinh Sharadrao	2	2	3	3
23062171191506	Patil Shreyas Vijaykumar	3	3	3	3
23062171191507	Porlekar Yutiraj Manik	3	1	3	2
23062171191509	Koravi Shreya Shashikant	3	2	3	2
23062171191510	Chougule Pruthviraj Pramod	2	2	2	



ASHOKRAO MANE GROUP OF INSTITUTIONS	
DEPARTMENT OF CIVIL ENGINEERING	
Academic Year -	2023_24
Class & Semester -	5 ^Y EVEN
Course Code & Course -	BTCVC406 - Engineering Geology
Subject Incharge -	Prof. S. S. Chokkarkar

No. of Students Appeared	43	18	18	43	18	18	44	18	18	40	9	12	8	11
Threshold Marks	18	13	6	19	18	15	17	16	18	26	9	9	6	11
%	41.86	72.22	33.33	44.19	100.00	83.33	38.64	88.89	100.00	65.00	100.00	100.00	75.00	100.00
Attainment Level		3	2		3	3		3	3	2	3	3	3	3
Average					CO1 =	#VALUE!				CO2 =			3	

PRN	Name of Student	CA-I 10	CA-II 10	ESE 60	MSE										
					20	Q 1 (5)					Q 2 (15)				
						1(1) CO1	2(1) CO1	3(1) CO1	4(1) CO1	5(1) CO1	1(5) CO1	2(5) CO1	3(5) CO2	4(5) CO2	5(5) CO2
2262171191001	Yadav Bhakti Sanjay	9	9	8	17	1	1	1	0	1	4	4	5		
2262171191002	Vadar Sanket Pandurang	9	9	0	17	1	1	1	1	1		4	4	4	
2262171191003	Rajput Dipak Singh Narendrakumar	6	6	1	14	1	1	0	1	1	3		4	3	
2262171191005	Karke Pranav Vitthal	8	8	8	17	1	1	1	1	1	4	3		5	
2262171191007	Kamble Ujjwala Nathaji	9	9	31	16	1	1	1	1	1		3		4	
2262171191008	Tanugade Pratamesh Anant	7	5	1	12	1	1	0	1	1	3		2	3	
2262171191009	Taigade Sakshi Sunil	9	9	8	17	1	1	1	1	1	4	4		4	
2262171191010	Shingade Suraj Dhondiram	8	9	0	16	1	1	1	1	1	3		4	4	
2262171191012	Awale Abhinandan Sachitanand	8	8	10	15	1	1	0	1	1	3		4	4	
23062171191501	Jagdale Dipalee Yashwant	7	8	27	18	1	1	1	1	1	4			4	
23062171191502	Zanjage Prajwal Madhukar	8	8	30	17	1	0	1	1	1		4	5	4	
23062171191503	Shingade Aakanksha Sanjay	9	10	26	19	1	1	1	1	1	5		4	5	
23062171191504	Nikam Anagha Gorakh	6	6	2	12	1	1	1	0	1	3		2	3	
23062171191505	Mane Ajaysinh Sharadrao	7	9	7	18	1	1	1	1	1	4	5		4	
23062171191506	Patil Shreyas Vijaykumar	6	6	29	12	1	0	1	1	1	3			2	
23062171191507	Porlekar Yutiraj Manik	6	7	5	13	1	1	1	1	1		3	2	3	
23062171191509	Koravi Shreya Shashikant	10	9	29	18	1	1	1	1	1	4		5	4	
23062171191510	Chougule Pruthviraj Pramod	6	6	7	12	1	0	1	1	1	3		3	2	

Indirect CO Attainment

Computation of CO's for Indirect Attainment in the course

CO's	CO1	CO2	CO3	CO4
Student Answered Level 1	0	2	2	2
Student Answered Level 2	7	11	7	9
Student Answered Level 3	11	5	9	7
Total Student Participated	18	18	18	18
CO Attainment	2.61	2.17	2.39	2.28

Course Exit Survey	Level 1	Level 2	Level 3
	0	2	2
	7	11	7
	11	5	9

Course Exit Survey

PRN	Name of Student	Did you recognize the different land forms which are formed by various geological agents ?	Did you identify the origin, texture and structure of various rocks and physical properties of mineral ?	Did you understand geological structures which have influence on the civil engineering structure	Did you understand how the various geological conditions affect the design parameters of structures ?
2262171191001	Yadav Bhakti Sanjay	3	2	2	1
2262171191002	Vadar Sanket Pandurang	3	2	3	2
2262171191003	Rajput Dipak Singh Narendrakumar	2	2	1	1
2262171191005	Karke Pranav Vitthal	3	2	2	2
2262171191007	Kamble Ujjwala Nathaji	3	1	2	2
2262171191008	Tanugade Pratamesh Anant	3	3	3	2
2262171191009	Taigade Sakshi Sunil	2	2	2	3
2262171191010	Shingade Suraj Dhondiram	2	2	3	2
2262171191012	Awale Abhinandan Sachitanand	2	3	2	3
23062171191501	Jagdale Dipalee Yashwant	3	3	3	3
23062171191502	Zanjage Prajwal Madhukar	3	2	2	3
23062171191503	Shingade Aakanksha Sanjay	3	3	3	2
23062171191504	Nikam Anagha Gorakh	2	2	1	2
23062171191505	Mane Ajaysinh Sharadrao	2	2	3	3
23062171191506	Patil Shreyas Vijaykumar	3	3	3	3
23062171191507	Porlekar Yutiraj Manik	3	1	3	2
23062171191509	Koravi Shreya Shashikant	3	2	3	2
23062171191510	Chougule Pruthviraj Pramod	2	2	2	



CA-I	
Level 1	50% of students scoring the pass marks (7 or >7 out of 10) in the CA-I Examination
Level 2	60% of students scoring the pass marks (7 or >7 out of 10) in the CA-I Examination
Level 3	70% of students scoring the pass marks (7 or >7 out of 10) in the CA-I Examination

CA-II	
Level 1	50% of students scoring the pass marks (7 or >7 out of 10) in the CA-II Examination
Level 2	60% of students scoring the pass marks (7 or >7 out of 10) in the CA-II Examination
Level 3	70% of students scoring the pass marks (7 or >7 out of 10) in the CA-II Examination

MSE	
Level 1	50% of students scoring the pass marks (3 out of 5) in the MSE
Level 2	60% of students scoring the pass marks (3 out of 5) in the MSE
Level 3	70% of students scoring the pass marks (3 out of 5) in the MSE

ESE	
Level 1	15% of students scoring the pass marks (20 or >20 out of 60) in the End Semester Examination
Level 2	30% of students scoring the pass marks (20 or >20 out of 60) in the End Semester Examination
Level 3	40% of students scoring the pass marks (20 or >20 out of 60) in the End Semester Examination

Direct Attainment

CO's	Assessment Tool (Internal Examination/External Examination)		Internal Examination (IE)		External Examination (EE)	Direct CO Attainment=((0.2*IE Attainment Level)+(0.8*EE Attainment Level)
			Attainment Level	Avg. Attainment Level		
CO1	MID 1	CA-I	3	3.00	2	2.20
		MSE	3.00			
CO2	MID 1	CA-I	3	3.00	2	2.20
		MSE	3			
CO3	MID 1	CA-I	3	3	2	2.20
CO4	MID 2	CA-II	3	3	2	2.20

BMSPM Ambap's,		A.Y.	2023-24
ASHOKRAO MANE GROUP OF INSTITUTIONS		Class & Semester	5Y EVEN
DEPARTMENT OF CIVIL ENGINEERING		Course	BTCVC406 - Engineering Geology
CO	COURSE OUTCOME		
CO402.1	Recognize the different land forms which are formed by various geological agents.		
CO402.2	Identify the origin, texture and structure of various rocks and physical properties of mineral.		
CO402.3	Emphasize distinct geological structures which have influence on the civil engineering structure.		
CO402.4	Understand how the various geological conditions affect the design parameters of structures.		

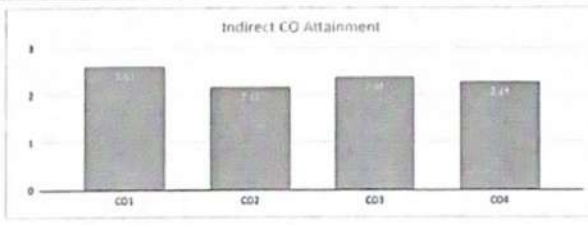
CO	CO-PO Mapping												PSO			
	PO												PSO1	PSO2	PSO3	
	1	2	3	4	5	6	7	8	9	10	11	12				
1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
4	3	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Attainment	2.75	2	2	-	2	-	-	-	-	-	-	-	-	2	-	-

Subject Incharge *(Signature)*
Prof. S. S. Chokakkar

(Signature)
HOD

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Attainment	2.03	1.48	1.48	-	1.48	-	-	-	-	-	-	-	-	1.48	-

Indirect Attainment	
CO's	Attainment
CO1	2.61
CO2	2.17
CO3	2.39
CO4	2.28



Overall CO Attainment			
CO	DA	IA	Overall
CO1	2.20	2.61	2.24
CO2	2.20	2.17	2.20
CO3	2.20	2.39	2.22
CO4	2.20	2.28	2.21
Average			2.22



ASHOKRAO MANE GROUP OF INSTITUTIONS	
DEPARTMENT OF CIVIL ENGINEERING	
Academic Year: -	2023_24
Class & Semester: -	TY EVEN
Course Code & Course: -	BTCVC601 - Design of RC Structures
Subject Incharge: -	Prof. G. N. Chavan-Patil

No. of Students Appeared	43	43	43	43	43	43	43	43	43	43	43	43
Threshold Marks	42	38	20	37	43	36	37	37	42	43	43	23
%	97.67	88.37	46.51	86.05	100.00	83.72	86.05	86.05	97.67	100.00	100.00	53.49
Attainment Level	3	3	3	3	3	3	3	3	3	3	3	1
Average					CO1 =	3		CO2 =	3	CO=3		1

PRN	Name of Student	CA-I	CA-II	ESE	MSE											
					10	10	60	20	Q.1 (5)					Q.2 (08)		Q.3 (07)
									1 (1)	2 (1)	3 (1)	4 (1)	5 (1)	1 (4)	2 (4)	3 (7)
CO1	CO1	CO1	CO1	CO1	CO2	CO2	CO3									
2162171191001	Autade Adinath Eknath	9	8	24	17	1	1	1	1	0	2	4	7			
2162171191002	Sayyad Aman Riyaj	4	7	12	12	1	1	1	1	1	3	4	0			
2162171191010	Mudugade Omkar Ananda	9	8	25	16	1	1	1	1	1	4	5	2			
2162171191012	Shirgaonkar Gautami Subhash	9	9	30	18	1	1	1	1	1	4	4	5			
2162171191013	Aughade Sanket Dilip	9	9	22	16	1	1	1	1	1	4	4	3			
2262171191501	Kumbhar Aditi Shankar	9	8	15	15	1	1	0	1	1	4	4	3			
2262171191502	Patil Kiran Alais Komal Krishnat	9	8	4	15	1	0	1	1	1	4	4	3			
2262171191503	Kumbhar Ajay Kumar	9	8	10	16	1	1	1	1	1	4	4	3			
2262171191505	Vadekar Rohan Balasaheb	7	6	0	10	1	1	1	1	1	4	4	3			
2262171191507	Kamble Avinash Shivaji	8	9	27	19	1	1	1	1	1	4	4	6			
2262171191508	Mane Pramod Prakash	9	8	25	15	1	1	1	1	1	4	4	2			
2262171191509	Kamble Omkar Prakash	9	9	14	18	1	1	1	1	1	4	4	2			
2262171191510	Divya Dilip Kurane	9	9	22	18	1	1	1	1	1	4	4	5			
2262171191511	Patil Prathmesh Uday	7	6	12	12	1	1	1	1	1	3	4	0			
2262171191512	Turamure Somnath Ashok	7	8	30	16	1	1	1	1	1	4	4	3			
2262171191514	Irfan Raja	7	6	6	14	1	1	1	1	1	3	4	2			
2262171191515	Sourabh Yuvraj Khot	9	8	0	15	1	1	1	1	1	4	4	2			
2262171191516	Jadhav Bhushan Jayavantrao	8	7	11	13	1	1	1	1	1	3	4	2			
2262171191517	Patil Prasad Satish	9	8	16	16	1	1	1	1	1	4	4	3			
2262171191518	Phalke Pruthviraj Prakash	9	8	18	14	1	1	1	1	1	3	4	2			
2262171191519	Khuperkar Adarsh Uttam	7	6	13	14	1	1	1	1	1	3	4	2			
2262171191520	Patil Viraj Vijay	8	7	18	16	1	1	1	1	1	4	4	3			
2262171191521	Shejawale Bhushan Popat	7	6	9	11	1	0	0	0	1	3	4	2			
2262171191522	Koravi Prithviraj Dilip	7	6	9	11	1	0	0	0	1	3	4	2			
2262171191523	Jyoti Kallappa Tarihalkar	8	9	25	18	1	1	1	1	1	4	4	5			
2262171191524	Sourabh Popat Yadav Patil	8	8	11	16	1	1	1	1	1	4	4	3			
2262171191526	Bhange Sandip Suresh	8	9	22	18	1	1	1	1	1	4	4	5			
2262171191527	Rutesh Tanaji Bhosale	9	9	27	18	1	1	1	1	1	4	4	5			
2262171191528	Swalaha Najir Madar	9	9	21	19	1	1	1	1	1	4	4	6			
2262171191529	Bidre Anuja Ashok	9	9	24	18	1	1	1	1	1	4	4	5			
2262171191531	Vanshika Ashok Shinge	8	8	17	16	1	1	1	1	1	4	4	3			
2262171191532	Gayatri Ashok Patil	9	10	25	19	1	1	1	1	1	4	4	6			
2262171191538	Geetanjali Amardeep Bhosale	9	9	22	16	1	1	1	1	1	4	4	3			
2262171191539	Digvijay Sundarrao Patil	8	8	24	14	1	0	1	0	1	3	4	4			
2262171191541	Vaghmare Vaishnavi Vinayak	9	9	24	18	1	1	1	1	1	4	4	5			
2262171191544	Sagar Tanaji Mali	7	6	9	11	1	0	0	0	1	3	4	2			
2262171191546	Patil Sayali Sarjerao	7	6	17	11	1	0	0	0	1	3	4	2			
2262171191548	Sutar Jahid Zakir	8	7	24	15	1	1	1	1	1	4	4	2			
2262171191550	Kamble Abhijit Shivaji	7	7	24	13	1	1	1	1	1	3	4	1			
2262171191553	Nalawade Chandrika Dhondiram	8	8	17	14	1	1	1	1	1	3	4	2			
2262171191555	Rabade Chaitrali Tanaji	7	6	20	14	1	1	1	1	1	3	4	2			
2262171191556	Powar Rahul Yallappa	7	6	0	11	1	0	0	0	1	3	4	2			
T2062171191005	Sourabh Sanjay Maske	7	7	9	14	1	1	1	1	1	3	4	2			



Indirect CO Attainment

Computation of CO's for Indirect Attainment in the course				
CO's	CO1	CO2	CO3	CO4
Student Answered Level 1	3	6	3	4
Student Answered Level 2	13	14	14	16
Student Answered Level 3	18	14	17	14
Total Student Participated	34	34	34	34
CO Attainment	2.44	2.24	2.41	2.29

Course Exit Survey	Level 1	3	6	3	4
	Level 2	13	14	14	16
	Level 3	18	14	17	14

Course Exit Survey

PRN	Name of Student	Do you know different soil properties and behavior?	Did you understand stresses in soil and permeability and seepage aspects?	Can you design various foundations for soil ?	Do you understand and analyze concept of shear stress ?
2162171191001	Autade Adinath Eknath	1	1	1	2
2162171191002	Sayyad Aman Riyaj	3	3	3	3
2162171191010	Mudugade Omkar Ananda	3	2	2	2
2162171191012	Shirgaonkar Gautami Subhash	3	2	2	3
2162171191013	Aughade Sanket Dilip	2	3	2	2
2262171191501	Kumbhar Aditi Shankar	2	2	3	2
2262171191502	Patil Kiran Alais Komal Krishnat	3	3	3	3
2262171191503	Kumbhar Ajay Kumar	2	2	1	2
2262171191505	Vadekar Rohan Balasaheb	3	3	2	3
2262171191507	Kamble Avinash Shivaji	3	3	3	3
2262171191508	Mane Pramod Prakash	3	3	3	3
2262171191509	Kamble Omkar Prakash	3	1	3	2
2262171191510	Divya Dilip Kurane	3	2	3	2
2262171191511	Patil Prathmesh Uday	3	3	3	3
2262171191512	Turamure Somnath Ashok	2	2	2	2
2262171191514	Irfan Raja	3	3	3	3
2262171191515	Sourabh Yuvraj Khot	3	3	3	3
2262171191516	Jadhav Bhushan Jayavantrao	3	3	3	1
2262171191517	Patil Prasad Satish	2	2	3	3
2262171191518	Phalke Pruthviraj Prakash	3	2	2	3
2262171191519	Khuperkar Adarsh Uttam	3	3	2	3
2262171191520	Patil Viraj Vijay	1	3	3	2
2262171191521	Shejawale Bhushan Popat	2	3	3	2
2262171191522	Koravi Prithviraj Dilip	2	2	2	2
2262171191523	Jyoti Kallappa Tarhalkar	2	2	2	3
2262171191524	Sourabh Popat Yadav Patil	2	1	2	2
2262171191526	Bhange Sandip Suresh	2	2	3	3
2262171191527	Rutesh Tanaji Bhosale	1	1	3	1
2262171191528	Swaliha Najir Madar	3	2	2	2
2262171191529	Bidre Anuja Ashok	3	1	1	2
2262171191531	Vanshika Ashok Shinge	2	2	2	1
2262171191532	Gayatri Ashok Patil	2	3	2	2
2262171191538	Geetanjali Amardeep Bhosale	2	2	2	2
2262171191539	Digvijay Sundarrao Patil	3	1	3	1



CA-I	
Level 1	50% of students scoring the pass marks (6 or >6 out of 10) in the CA-I Examination
Level 2	60% of students scoring the pass marks (6 or >6 out of 10) in the CA-I Examination
Level 3	70% of students scoring the pass marks (6 or >6 out of 10) in the CA-I Examination

MSE	
Level 1	50% of students scoring the pass marks (3 out of 5) in the MSE
Level 2	60% of students scoring the pass marks (3 out of 5) in the MSE
Level 3	70% of students scoring the pass marks (3 out of 5) in the MSE

CA-II	
Level 1	50% of students scoring the pass marks (6 or >6 out of 10) in the CA-II Examination
Level 2	60% of students scoring the pass marks (6 or >6 out of 10) in the CA-II Examination
Level 3	70% of students scoring the pass marks (6 or >6 out of 10) in the CA-II Examination

ESE	
Level 1	15% of students scoring the pass marks (20 or >20 out of 60) in the End Semester Examination
Level 2	30% of students scoring the pass marks (20 or >20 out of 60) in the End Semester Examination
Level 3	40% of students scoring the pass marks (20 or >20 out of 60) in the End Semester Examination

Direct Attainment

CO's	Assessment Tool (Internal Examination/External Examination)		Internal Examination (IE)		External Examination (EE)	Direct CO Attainment= (0.2*IE Attainment Level)+(0.8*EE Attainment Level)
			Attainment Level	Avg. Attainment Level	Attainment Level	
CO1	MID 1	CA-I	3	3.00	3	3.00
		MSE	3			
CO2	MID 1	CA-I	3	3.00	3	3.00
		MSE	3.00			
CO3	MID 1	CA-I	3	2.00	3	2.80
		MSE	1			
CO4	MID 2	CA-II	3	3	3	3.00

BMSPM Ambap's,			A.Y.	2023_24
ASHOKRAO MANE GROUP OF INSTITUTIONS			Class & Semester	TY EVEN
DEPARTMENT OF CIVIL ENGINEERING			Course	BTCVC601 - Design of RC Structures
CO	COURSE OUTCOME			
CO502.1	Able to comprehend the various design philosophies used in design			
CO502.2	Analyze and design the reinforced concrete sections using working stress working stress limit state method.			
CO502.3	Analyze and design Analysis and Design Singly and Doubly Reinforced Beams,			
CO502.4	Analysis and design of axially and eccentrically loaded columns and footing			

CO	CO-PO Mapping												PSO			
	PO												PSO1	PSO2	PSO3	
	1	2	3	4	5	6	7	8	9	10	11	12				
1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	3
3	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
4	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Attainment	2.67	2.00	3	-	-	-	-	-	-	-	-	-	-	-	-	3

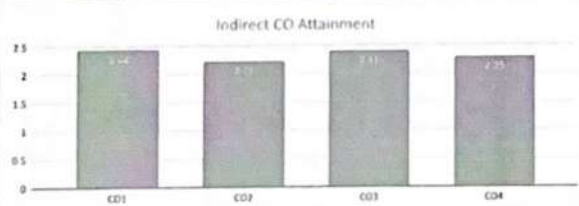
Subject Incharge

Prof. G. N. Chavan-Patil

HOD

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Attainment	2.57	1.93	2.89	-	-	-	-	-	-	-	-	-	-	-	2.89

Indirect Attainment	
CO's	Attainment
CO1	2.44
CO2	2.24
CO3	2.41
CO4	2.29



Overall CO Attainment			
CO	DA	IA	Overall
CO1	3.00	2.44	2.94
CO2	3.00	2.24	2.92
CO3	2.80	2.41	2.76
CO4	3.00	2.29	2.93
Average			2.89



ASHOKRAO MANE GROUP OF INSTITUTIONS	
DEPARTMENT OF CIVIL ENGINEERING	
Academic Year: -	2023-24
Class & Semester: -	5 th EVEN
Course Code & Course: -	BTCVC402: Environmental Engineering
Subject Incharge: -	Prof. H. M. Bhosale

No. of Students Appeared	18	18	18	18	18	15	16	17	18	12	11	11	14
Threshold Marks	18	18	11	11	18	15	16	17	18	12	11	14	9
%	100.00	100.00	61.11	61.11	100.00	100.00	100.00	100.00	100.00	100.00	100.00	127.27	64.29
Attainment Level	3	3	3	2	3	3	3	3	3	3	3	3	2
Average					CO1 =		3.00			CO2 =		2.5	

PRN	Name of Student	CA-I	CA-II	ESE	MSE									
					20	Q.1 (5)					Q.2 (15)			
						1 (1)	2 (1)	3 (1)	4 (1)	5 (1)	1 (5)	2 (5)	3 (5)	4 (5)
10	10	60	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO2	CO2	CO2		
2262171191001	Yadav Bhakti Sanjay	9	9	27	18	1	1	1	1	1	4	5	3	
2262171191002	Vadar Sanket Pandurang	7	7	30	13	1	1	1	1	1	4	5	4	
2262171191003	Rajput Dipaksingh Narendrakumar	7	7	24	13	1	1	1	1	1	4	5	4	
2262171191005	Karke Pranav Vitthal	7	7	20	14	1	1	1	1	1	5	5	4	
2262171191007	Kamble Ujjwala Nathaji	9	9	23	18	1	1	1	1	1	4	5	3	
2262171191008	Tanugade Pratamesh Anant	7	7	16	13	1	1	1	1	1	4	4	4	
2262171191009	Taigade Sakshi Sunil	8	8	24	16	1	1	1	1	1	5	4	4	
2262171191010	Shingade Suraj Dhondiram	8	8	28	15	1	1	1	1	1	4	3	3	
2262171191012	Awale Abhinandan Sachitanand	8	8	24	16	1	1	1	1	1	4	4	3	
23062171191501	Jagdale Dipalee Yashwant	9	9	39	18	1	1	1	1	1	5	5	3	
23062171191502	Zanjage Prajwal Madhukar	9	9	39	19	1	1	1	1	1	5	5	4	
23062171191503	Shingade Aakanksha Sanjay	10	10	36	18	1	1	1	1	1	5	5	3	
23062171191504	Nikam Anagha Gorakh	7	7	12	13	1	1	1	1	1	4	4	4	
23062171191505	Mane Ajaysinh Sharadrao	9	9	26	18	1	1	1	1	1	4	4	5	
23062171191506	Patil Shreyas Vijaykumar	7	7	15	13	1	1	1	1	1	5	4	4	
23062171191507	Porlekar Yutiraj Manik	7	7	11	13	1	1	1	1	1	4	4	1	
23062171191509	Koravi Shreya Shashikant	9	9	28	18	1	1	1	1	1	4	4	5	
23062171191510	Chougule Pruthviraj Pramod	7	7	9	13	1	1	1	1	1	4	4	2	

Indirect CO Attainment

Computation of CO's for Indirect Attainment in the course				
CO's	CO1	CO2	CO3	CO4
Student Answered Level 1	0	2	1	1
Student Answered Level 2	7	9	11	8
Student Answered Level 3	11	7	6	9
Total Student Participated	18	18	18	18
CO Attainment	2.61	2.28	2.28	2.44

Course Exit Survey	Level 1	0	2	1	1
	Level 2	7	9	11	8
	Level 3	11	7	6	9

Course Exit Survey

PRN	Name of Student	Did you understand how to apply the water treatment concept and methods?	Did you understand how to Prepare basic process designs of water and wastewater treatment plants?	Did you understand how to apply the wastewater treatment concept and methods?	Did you understand how to apply the solid waste management concepts?
2262171191001	Yadav Bhakti Sanjay	3	2	1	2
2262171191002	Vadar Sanket Pandurang	2	3	3	2
2262171191003	Rajput Dipaksingh Narendrakumar	3	2	2	2
2262171191005	Karke Pranav Vitthal	2	3	3	3
2262171191007	Kamble Ujjwala Nathaji	3	1	2	2
2262171191008	Tanugade Pratamesh Anant	3	3	2	3
2262171191009	Taigade Sakshi Sunil	2	3	2	2
2262171191010	Shingade Suraj Dhondiram	2	2	2	3
2262171191012	Awale Abhinandan Sachitanand	3	2	2	3
23062171191501	Jagdale Dipalee Yashwant	2	2	3	2
23062171191502	Zanjage Prajwal Madhukar	3	3	3	3
23062171191503	Shingade Aakanksha Sanjay	3	2	2	2
23062171191504	Nikam Anagha Gorakh	2	2	2	2
23062171191505	Mane Ajaysinh Sharadrao	2	2	2	1
23062171191506	Patil Shreyas Vijaykumar	3	3	3	3
23062171191507	Porlekar Yutiraj Manik	3	3	3	3
23062171191509	Koravi Shreya Shashikant	3	1	2	3
23062171191510	Chougule Pruthviraj Pramod	3	2	2	3



CA-I	
Level 1	50% of students scoring the pass marks (6 or >6 out of 10) in the CA-I Examination
Level 2	60% of students scoring the pass marks (6 or >6 out of 10) in the CA-I Examination
Level 3	70% of students scoring the pass marks (6 or >6 out of 10) in the CA-I Examination

CA-II	
Level 1	50% of students scoring the pass marks (7 or >7 out of 10) in the CA-II Examination
Level 2	60% of students scoring the pass marks (7 or >7 out of 10) in the CA-II Examination
Level 3	70% of students scoring the pass marks (7 or >7 out of 10) in the CA-II Examination

MSE	
Level 1	50% of students scoring the pass marks (3 out of 5) in the MSE
Level 2	60% of students scoring the pass marks (3 out of 5) in the MSE
Level 3	70% of students scoring the pass marks (3 out of 5) in the MSE

ESE	
Level 1	15% of students scoring the pass marks (20 or >20 out of 60) in the End Semester Examination
Level 2	30% of students scoring the pass marks (20 or >20 out of 60) in the End Semester Examination
Level 3	40% of students scoring the pass marks (20 or >20 out of 60) in the End Semester Examination

Direct Attainment

CO's	Assessment Tool (Internal Examination/External Examination)		Internal Examination (IE)		External Examination (EE)	Direct CO Attainment=(0.2*IE Attainment Level)+(0.8*EE Attainment Level)
			Attainment Level	Avg. Attainment Level	Attainment Level	
CO1	MID 1	CA-I	3	3.00	3	3.00
		MSE	3.00			
CO2	MID 1	CA-I	3	2.75	3	2.95
		MSE	2.5			
CO3	MID 1	CA-I	3	3	3	3.00
CO4	MID 2	CA-II	3	3	3	3.00
CO5	MID 2	CA-II	3	3	3	3.00

BMSPM Ambap's,		A.Y.	2023_24
ASHOKRAO MANE GROUP OF INSTITUTIONS		Class & Semester	SY EVEN
DEPARTMENT OF CIVIL ENGINEERING		Course	BTCVC402 - Environmental Engineering
CO	COURSE OUTCOME		
CO402.1	Apply the water treatment concept and methods.		
CO402.2	Prepare basic process designs of water and wastewater treatment plants		
CO402.3	Apply the wastewater treatment concept and methods		
CO402.4	Apply the solid waste management concepts.		

CO	CO-PO Mapping												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	2	2	1	-	-	1	-	-	-	-	-	-	-	-	-
2	3	1	1	-	-	1	-	-	-	-	-	-	-	-	-
3	3	2	1	-	-	1	-	1	-	-	-	-	-	-	-
4	2	2	1	-	-	1	2	1	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Attainment	2.5	1.75	1	-	-	1	2	1	-	-	-	-	-	-	-

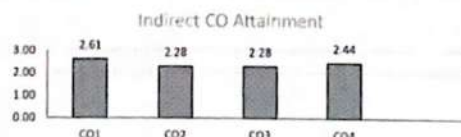
H. H.
Subject Incharge

Prof. H. M. Bhosale

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HOD

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Attainment	2.44	1.71	0.98	-	-	0.98	1.95	0.98	-	-	-	-	-	-	-

Indirect Attainment	
CO's	Attainment
CO1	2.61
CO2	2.28
CO3	2.28
CO4	2.44



Overall CO Attainment			
CO	DA	IA	Overall
CO1	3.00	2.61	2.96
CO2	2.95	2.28	2.88
CO3	3.00	2.28	2.93
CO4	3.00	2.44	2.94
Average			2.93





Shri Balasaheb Mane Shikshan Prasarak Mandal, Ambap's
ASHOKRAO MANE GROUP OF INSTITUTIONS
 Department of Electrical Engineering
 Academic Year:2023-24
 Sem VII

Course Name: Power System Operation and Control (BTEEC702)

Sr.No.	COURSE OUTCOME
CO702.1	Understand the fundamental concepts of power system.
CO702.2	Analyze the transient stability of power system.
CO702.3	Excitation system and speed governing system.
CO702.4	Understand the economic operation of power system.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3		2	1										
CO2	3	2		1										
CO3	3	2												
CO4	3		2	2										
Avg.	3	2	2	1.3										

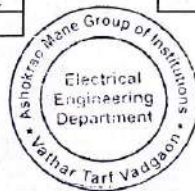
DBATU MARKING STRUCTURE	Internal Examination		End Semester Examination (ESE)
	CA1	10	
	CA2	10	
	MSE	20	
			60

Attainment Level of CA1, CA2, ESE

	CA1	CA2	ESE
NO. OF STUDENTS APPEARED	115	115	115
THRESHOLD MARKS	115	115	43
%	100	100	62.61
Attainment level	3	3	1

Attainment Level of MSE

Total Number of Students	116	116	116	116	116	116	116	116	116
Number of Students attended the Question	116	116	116	116	116	113	110	79	69
Number of Students attended Threshold value	92	97	98	97	98	96	92	61	57
Percentage Attended Questions	79	83.6	84.5	83.6	84.5	84.9558	83.636	77.2	82.6
Attainment Level	2	3	3	3	3	2	2	1	2



Direct Assessment

CO'S	Assessment Tool (Internal Examination/External Examination)	Internal Examination (IE)		External Examination (EE)	Direct CO Attainment= $(0.4*IE$ $Attainment Level)+(0.6*EE$ $Attainment Level)$
		Attainment Level	Average Attainment level		
CO1	CA1	3	2.70	1	1.68
	MSE	2			
CO2	CA1	3	2.625	1	1.65
	MSE	2.25			
CO3	CA2	3	3	1	1.8
CO4	CA2	3	3	1	1.8

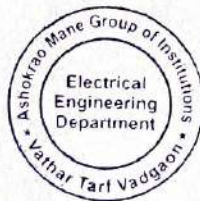
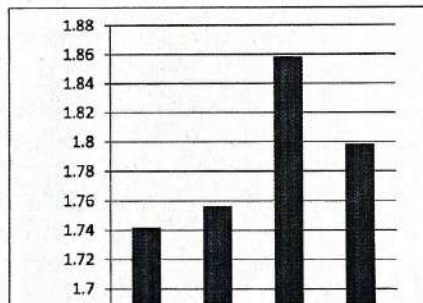
Indirect CO Attainment

Computation of CO Indirect Attainment in the course:

COs	CO1	CO2	CO3	CO4
Student Answered Level 1	26	25	22	40
Student Answered Level 2	36	21	35	25
Student Answered Level 3	25	41	30	22
Total Student Participated	87	87	87	87
CO Attainment	1.99	2.184	2.09	1.79

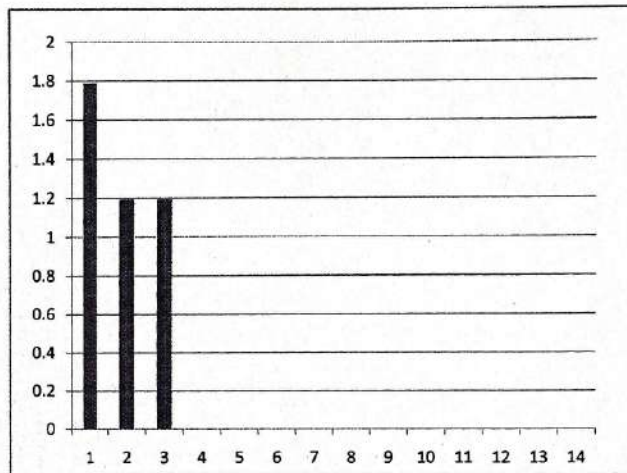
Overall CO Attainment= $(0.2*IA$ Attainment Level) $+(0.8*DA$ Attainment Level)

CO	DA	IA	Overall
CO1	1.68	1.988506	1.741701
CO2	1.65	2.183908	1.756782
CO3	1.8	2.091954	1.858391
CO4	1.8	1.793103	1.798621
		Average	1.788874



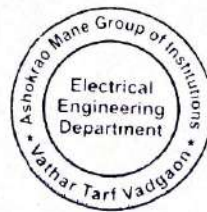
PO Attainment

PO	Attainment Level	
PO1	1.788874	YES
PO2	1.192582	YES
PO3	1.192582	YES
PO4		NA
PO5		NA
PO6		NA
PO7		NA
PO8		NA
PO9		NA
PO10		NA
PO11		NA
PO12		NA
PO13		NA
PO14		NA



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Course Coordinator



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HOD