



Shri Balasaheb Mane Shikshan Prasarak Mandal's  
**ASHOKRAO MANE GROUP OF INSTITUTIONS**

NH - 4, Vathar Tarf Vadgaon, Tal: -Hatkanangale, Dist: - Kolhapur-416112

E-mail: hodcivil@amgoi.edu.in, Website: www.amgoi.org

**NBA accredited Programs\* | Accredited by NAAC with 'A' Grade (CGPA 3.08)**



**DEPARTMENT OF CIVIL ENGINEERING**

SY 2022-23 Semester – III (Odd)

Course BTBS301 - Mathematics - III

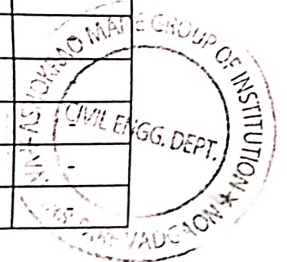
CO	CO-PO Mapping														
	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
3	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-
4	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-
5	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Attainment	3	2	2.3	-	-	-	-	-	-	-	-	-	-	-	-

Course BTCVES302 - Mechanics of Solids

CO	CO-PO Mapping														
	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	3
2	3	1	-	-	-	-	-	-	-	-	-	-	-	-	2
3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
4	3	2	-	-	-	-	-	-	-	-	-	-	-	-	1
Attainment	2.75	1.5	-	-	-	-	-	-	-	-	-	-	-	-	2

Course BTCVC303 - Building Construction & Drawing

CO	CO-PO Mapping														
	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3	-	-	-	-	-	-	-	-	-	-	-	-	2	-
3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
4	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
5	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Attainment	2.8	2	2	-	2	-	-	-	-	-	-	-	-	2	-





ASHOKRAO MANE GROUP OF INSTITUTIONS

NH - 4, Vathar Tarf Vadgaon, Tal: Hatkanangale, Dist: Kolhapur-416112  
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DEPARTMENT OF CIVIL ENGINEERING

Course BTCVC304 -Hydraulics I

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

Course Code & Name BTCVC305 - Surveying

CO	CO-PO Mapping												PSO			
	PO												PSO1	PSO2	PSO3	
	1	2	3	4	5	6	7	8	9	10	11	12				
1	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-
2	3	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-
3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	3	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Attainment	2.75	1.5							1.7	-	-	-	-	2	-	-



Prepared By

HOD  
HOD



Shri Balasaheb Mane Shikshan Prasarak Mandal's  
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**DEPARTMENT OF CIVIL ENGINEERING**

**SY 2022-23 Semester - IV (EVEN)**

Course **BTCVC402 - Environmental Engineering**

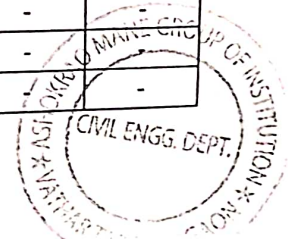
CO-PO Mapping															
CO	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	2	2	1	-	-	1	-	-	-	-	-	-	-	-	-
2	3	1	1	-	-	1	-	-	-	-	-	-	-	-	-
3	3	2	1	-	-	1	-	1	-	-	-	-	-	-	-
4	2	2	1	-	-	1	2	1	-	-	-	-	-	-	-
Attainment	2.5	1.75	1	-	-	1	2	1	-	-	-	-	-	-	-

Course **BTCVC403 - Structural Mechanics - I**

CO-PO Mapping															
CO	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	3	1	-	-	-	-	-	-	-	-	-	-	1	1	-
2	2	1	-	-	-	-	-	-	-	-	-	-	1	1	-
3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
4	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Attainment	2	1.50	3	-	-	-	-	-	-	-	-	-	1.00	1.00	-

Course **BTCVC404 - Water Resource Engineering**

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





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## DEPARTMENT OF CIVIL ENGINEERING

Course | BTCVC405 - Hydraulics - II

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

Course | BTCVC406 - Engineering Geology

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



*Prepared By*

*HOD*  
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AMGOI, Faculty of Engineering



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## DEPARTMENT OF CIVIL ENGINEERING

TY 2022-23 Semester - IV (Odd)

Course Code & Name | BTCVC501 - Design of Steel 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	-	-
2	2	2	2	-	3	-	-	-	2	-	-	-	-	1	-	-
3	2	1	1	-	3	-	-	-	-	-	-	-	-	-	-	-
4	3	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-
Attainment	2.5	1.5	1.5	-	3	-	-	-	2	-	-	-	-			

Course Code & Name | BTCVC502 - Geotechnical Engineering

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	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Attainment	2.67	2.33	3	-	-	-	-	-	-	-	-	-	-			

Course Code & Name | BTCVC503 - Structural Mechanics - II

CO	CO-PO Mapping												PSO			
	PO												PSO1	PSO2	PSO3	
	1	2	3	4	5	6	7	8	9	10	11	12				
1	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Attainment	3.00	3.00	-	-	-	-	-	-	-	-	-	-	-			



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## DEPARTMENT OF CIVIL ENGINEERING



Course Code & Name | BTCVC504 - Concrete Technology

CO-PO Mapping															
CO	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3
3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	3
4	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Attainment	2.75	2.5	-	-	-	-	-	-	-	-	-	-	-	-	3

Course Code & Name | BTCVPE506 - Applied Geology

CO-PO Mapping															
CO	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	3
3	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-
4	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Attainment	2.67	2.33	3	-	-	-	-	-	-	-	-	-	-	-	3



Prepared By

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AMGOI, Faculty of Engineering



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**DEPARTMENT OF CIVIL ENGINEERING**

**B.TECH 2022-23 Semester -VII (Odd)**

Course Code & Name | BTCVC701 - Design of Concrete Structures - II

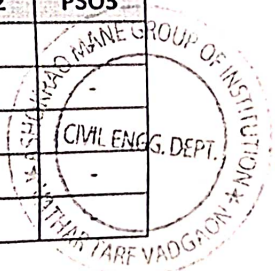
CO	CO-PO Mapping														
	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	2	2	-	-	-	-	1	-	-	-	-	-	-	-
3	3	2	-	-	-	-	-	2	-	-	-	-	-	2	-
4	-	2	3	-	-	-	-	3	-	-	-	-	-	-	-
Attainment	3	2	2.5	-	-	-	-	2	-	-	-	-	-	2	-

Course Code & Name | BTCVC702 - Infrastructure Engineering

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

Course Code & Name | BTCVC703 - Water Resource Engineering

CO	CO-PO Mapping														
	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	3	2	-	-	-	-	-	2	-	-	-	-	-	-	-
2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Attainment	2.25	2	2	-	-	-	-	2	-	-	-	-	-	-	-





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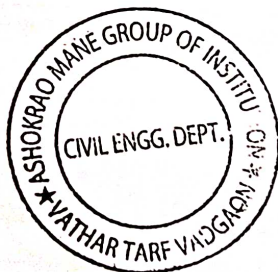
**DEPARTMENT OF CIVIL ENGINEERING**

Course Code & Name | BTCVC704 - Professional Practices

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

Course Code & Name | BTCVE705B - Engineering Economics

CO-PO Mapping															
CO	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	2	-	-	-	-	-	-	-	-	-	2	2	-	-	-
2	3	3	-	-	-	-	-	-	-	-	-	2	-	2	-
3	2	3	-	-	-	-	-	-	-	-	3	-	-	2	-
4	3	-	-	-	-	-	-	-	-	-	2	2	-	-	-
Attainment	2.5	3	-	-	-	-	-	-	-	-	2.33	2	-	2	-



Prepared By *[Signature]*

*[Signature]*  
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 Civil Engineering  
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 Hatkanangale, Dist. Kolhapur.



ASHOKRAO MANE GROUP OF INSTITUTIONS	
DEPARTMENT OF CIVIL ENGINEERING	
Academic Year: -	2022_23
Class & Semester: -	SY ODD
Course Code & Course: -	BTCVC303 - Building Construction & Drawing
Subject Incharge: -	Prof. J. A. Patil

No. of Students Appeared	56	56	56	56	56	56	56	56	56	56	56	56	56
Threshold Marks	32	48	27	38	37	41	43	33	35	28	40	37	35
%	57.14	85.71	48.21	67.86	66.07	73.21	76.79	58.93	62.50	50.00	71.43	66.07	62.50
Attainment Level	1	3	3	2	2	3	3	1	2	1	3	2	2
Average					CO1 =	2.4			CO2 =	1.75			

PRN	Name of Student	CA-I	CA-II	ESE	MSE											
					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	20	CO1	CO1	CO1	CO2	CO2	CO1	CO1	CO2	CO2		
PRN: 2162171191001	AUTADE ADINATH EKNATH	10	8	26	16	1	1	1	0	1	4	0	4	4		
PRN: 2162171191002	SAYYAD AMAN RIYAJ	6	5	8	11	1	0	1	0	1	2	3	3	0		
PRN: 2162171191005	KUMBHAR SANIKA ASHOK	6	5	9	12	1	1	1	1	0	0	3	3	2		
PRN: 2162171191010	MUDUGADE OMKAR ANANDA	8	6	26	12	1	1	0	1	0	3	3	3	0		
PRN: 2162171191011	KADAM SANKET MANOJ	7	6	17	12	1	1	1	1	0	2	2	4	0		
PRN: 2162171191012	SHIRGAONKAR GOUTAMI SUBHASH	9	9	13	15	1	0	1	1	1	4	0	4	3		
PRN: 2162171191013	AUGHADE SANKET DILIP	5	6	27	12	1	1	0	1	0	2	4	3	0		
PRN: 2262171191501	KUMBHAR ADITI SHANKAR	8	8	8	15	1	1	1	1	1	4	3	0	3		
PRN: 2262171191502	PATIL KIRAN ALAIS KOMAL KRISHNAT	7	6	26	12	0	1	1	0	1	3	3	3	0		
PRN: 2262171191503	KUMBHAR AJAY KUMAR	7	6	21	12	1	0	1	0	1	3	3	0	3		
PRN: 2262171191504	SANADE ASHPAK IQBAL	6	7	8	12	0	0	1	1	1	3	3	0	3		
PRN: 2262171191505	VADEKAR ROHAN BALASAHEB	6	6	21	11	1	1	0	0	1	2	4	2	0		
PRN: 2262171191506	DONOLIKAR PRAJWAL SUDHAKAR	7	7	2	12	1	1	0	1	1	0	2	3	3		
PRN: 2262171191507	KAMBLE AVINASH SHIVAJI	7	7	33	11	1	0	0	1	1	0	3	3	2		
PRN: 2262171191508	MANE PRAMOD PRAKASH	6	6	20	12	0	1	1	0	0	4	3	3	0		
PRN: 2262171191509	KAMBLE OMKAR PRAKASH	6	6	21	11	0	0	1	1	1	2	3	0	3		
PRN: 2262171191510	KURANE DIVYA DILIP	8	8	27	14	1	1	1	1	1	3	3	3	0		
PRN: 2262171191511	PATIL PRATHMESH UDAY	6	6	14	12	0	1	0	1	1	4	3	2	0		
PRN: 2262171191512	TURAMURE SOMNATH ASHOK	7	7	16	13	1	1	1	1	1	3	3	2	0		
PRN: 2262171191513	MANDVEKAR SAIRAJ KIRAN	6	6	13	11	0	0	1	1	1	3	0	3	2		
PRN: 2262171191514	RAJA IRFAN AHMAD	7	7	3	13	1	1	1	0	0	3	0	4	3		
PRN: 2262171191515	KHOT SOURABHA YOUNVRAJ	8	7	20	14	1	0	1	0	1	0	4	3	4		
PRN: 2262171191516	JADHAV BHUSHAN JAYAVANTRAO	7	8	15	11	0	1	0	1	1	0	2	3	3		
PRN: 2262171191517	PATIL PRASAD SATISH	7	6	11	13	1	0	1	0	1	3	2	0	3		
PRN: 2262171191518	PHALKE PRUTHVIRAJ PRAKASH	6	6	23	11	1	1	0	1	0	0	3	2	3		
PRN: 2262171191519	KHUPERAKAR ADARSH UTTAM	7	7	13	12	1	0	0	1	1	3	3	3	0		
PRN: 2262171191520	PATIL VIRAJ VIJAY	8	7	17	12	1	0	1	0	0	4	3	0	3		
PRN: 2262171191521	SHEJAWALE BHUSHAN POPAT	6	6	7	12	0	0	1	1	1	0	3	3	3		
PRN: 2262171191522	KORAVI PRUTHVIRAJ DILIP	6	5	20	11	1	1	0	1	1	3	2	0	2		
PRN: 2262171191523	TARIHALKAR JYOTI KALLAPPA	6	5	20	14	1	1	1	1	1	3	0	3	3		
PRN: 2262171191525	MULLA SAHIL SHARIF	7	7	2	12	1	1	1	1	1	3	2	2	0		
PRN: 2262171191526	BHANGE SANDIP SURESH	7	6	36	14	1	1	1	1	1	3	3	0	3		
PRN: 2262171191527	BHOSALE RUTESH TANAJI	7	7	3	12	0	1	1	1	1	4	3	0	1		
PRN: 2262171191528	MADAR SWALHA NAJIR	7	7	28	14	1	1	1	1	1	3	3	3	0		
PRN: 2262171191529	BIDRE ANUJA ASHOK	8	8	27	14	1	1	1	0	1	4	2	4	0		
PRN: 2262171191531	SHINGE VANSHIKA ASHOK	7	7	2	14	1	1	1	1	1	0	3	3	3		
PRN: 2262171191532	PATIL GAYATRI ASHOK	9	9	46	17	1	1	1	1	1	0	4	4	4		
PRN: 2262171191535	PATIL ROHAN PRAKASH	6	6	7	11	1	1	0	1	0	2	0	2	4		
PRN: 2262171191537	PATIL VISHWARAJ MADANKUMAR	6	6	17	11	1	0	0	1	1	3	3	0	2		
PRN: 2262171191538	BHOSALE GITANJALI AMARDEEP	8	7	25	13	1	1	1	1	1	3	4	0	1		
PRN: 2262171191539	PATIL DIGVIJAY SUNDARRAO	6	7	22	11	0	1	0	0	0	3	0	3	3		
PRN: 2262171191540	MANE SATYAJEET SANJAY	6	6	12	11	1	1	0	1	0	3	2	0	3		
PRN: 2262171191541	VAGHAMARE VAISHNAVI VINAYAK	8	8	29	14	1	1	1	0	0	4	0	4	3		
PRN: 2262171191542	KOLI ADITYA KUMAR	6	6	9	12	1	0	1	1	1	2	3	0	3		
PRN: 2262171191543	DESAI GANESH SANJAY	6	5	4	11	0	1	1	0	0	0	3	3	3		
PRN: 2262171191544	MALI SAGAR TANAJI	7	6	20	11	0	1	1	0	0	0	3	3	3		
PRN: 2262171191546	PATIL SAYALI SARJERAO	7	6	15	12	0	1	1	0	1	0	3	3	3		
PRN: 2262171191548	SUTAR JAHD ZAKIR	7	7	20	12	1	1	1	0	0	0	3	3	3		
PRN: 2262171191549	GAIKWAD NAVNEETKUMAR SIDDHALING	5	5	8	11	0	1	1	0	0	0	3	3	3		
PRN: 2262171191550	KAMBLE ABHIJIT SHIVAJI	7	7	37	11	0	1	1	0	0	0	3	3	3		
PRN: 2262171191551	MALAVI PRASHANT BABAN	6	5	20	11	0	1	1	0	0	0	3	3	3		
PRN: 2262171191552	DHALE CHINMAY AJITKUMAR	5	6	25	13	0	1	1	1	1	0	3	3	3		
PRN: 2262171191553	NALWADE CHANDRIKA DHONDIRAM	8	8	25	13	1	1	1	1	0	0	3	3	3		
PRN: 2262171191554	KAMBLE PRAJYOT PRAKASH	6	5	3	11	0	1	1	0	0	0	3	3	3		
PRN: 2262171191555	RABADE CHAITRALI TANAJI	7	7	12	12	0	1	1	0	1	0	3	3	3		
PRN: 2262171191556	POWAR RAHUL YALLAPPA	6	7	18	12	0	1	1	0	0	1	3	3	3		



## Indirect CO Attainment

CO's	Computation of CO's for Indirect Attainment in the course				
	CO1	CO2	CO3	CO4	CO5
Student Answered Level 1	1	3	4	3	3
Student Answered Level 2	11	12	13	13	17
Student Answered Level 3	23	20	18	18	35
Total Student Participated	35	35	35	34	2.34
CO Attainment	2.63	2.49	2.40	2.44	

Course Exit Survey	Level 1	Level 2	Level 3	Level 1	Level 2	Level 3
	1	11	23	3	13	18
	3	12	20	4	18	15

## Course Exit Survey

PRN	Name of Student	Did you understand types of masonry structures?	Did you understand the components of building and there purposes?	Did you understand how to draw plan, elevation and section of various structures?	Did you understand the principles of planning and by laws used for building planning?	Did you understand how to prepare detailed working drawing for doors and windows.
PRN: 2162171191001	AUTADE ADINATH EKNATH	1	1	1	2	3
PRN: 2162171191002	SAYYAD AMAN RIYAJ	3	3	3	3	2
PRN: 2162171191005	KUMBHAR SANIKA ASHOK	2	2	1	1	1
PRN: 2162171191010	MUDUGADE OMKAR ANANDA	3	2	2	2	2
PRN: 2162171191011	KADAM SANKET MANOJ	3	2	2	2	2
PRN: 2162171191012	SHIRGAONKAR GOUTAMI SUBHASH	2	3	2	2	2
PRN: 2162171191013	AUGHADE SANKET DILIP	3	3	3	2	2
PRN: 2262171191501	KUMBHAR ADITI SHANKAR	2	3	2	3	1
PRN: 2262171191502	PATIL KIRAN ALAIS KOMAL KRISHNAT	3	3	3	3	2
PRN: 2262171191503	KUMBHAR AJAY KUMAR	2	2	3	2	2
PRN: 2262171191504	SANADE ASHPAK IQBAL	2	2	1	2	2
PRN: 2262171191505	VADEKAR ROHAN BALASAHEB	3	3	3	3	3
PRN: 2262171191506	DONOLIKAR PRAJWAL SUDHAKAR	3	3	3	3	2
PRN: 2262171191507	KAMBLE AVINASH SHIVAJI	3	2	2	3	3
PRN: 2262171191508	MANE PRAMOD PRAKASH	2	3	3	3	3
PRN: 2262171191509	KAMBLE OMKAR PRAKASH	3	3	3	2	3
PRN: 2262171191510	KURANE DIVYA DILIP	2	2	1	3	3
PRN: 2262171191511	PATIL PRATHMESH UDAY	3	3	2	3	3
PRN: 2262171191512	TURAMURE SOMNATH ASHOK	3	3	3	3	3
PRN: 2262171191513	MANDVEKAR SAIRAJ KIRAN	3	3	3	3	2
PRN: 2262171191514	RAJA IRFAN AHMAD	3	1	3	2	2
PRN: 2262171191515	KHOT SOURABHA YOUNVRAJ	3	2	3	2	2
PRN: 2262171191516	JADHAV BHUSHAN JAYAVANTRAO	3	3	3	3	3
PRN: 2262171191517	PATIL PRASAD SATISH	3	3	3	2	2
PRN: 2262171191518	PHALKE PRUTHVIRAJ PRAKASH	3	3	2	3	3
PRN: 2262171191519	KHUPERAKAR ADARSH UTTAM	2	2	2	2	2
PRN: 2262171191520	PATIL VIRAJ VIJAY	3	3	3	3	3
PRN: 2262171191521	SHEJAWALE BHUSHAN POPAT	3	3	3	3	3
PRN: 2262171191522	KORAVI PRUTHVIRAJ DILIP	2	3	2	3	2
PRN: 2262171191523	TARIHALKAR JYOTI KALLAPPA	3	3	2	2	2
PRN: 2262171191524	YADAV PATIL SOURABH POPAT	3	3	3	1	2
PRN: 2262171191525	MULLA SAHIL SHARIF	2	2	2	2	2
PRN: 2262171191526	BHANGE SANDIP SURESH	3	1	3	1	2
PRN: 2262171191527	BHOSALE RUTESH TANAJI	2	2	3	3	3
PRN: 2262171191528	MADAR SWALIHA NAJIR	3	2	2	3	3
PRN: 2262171191529	BIDRE ANUJA ASHOK	3	3	2	3	3
PRN: 2262171191531	SHINGE VANSHIKA ASHOK	1	3	3	2	1
PRN: 2262171191532	PATIL GAYATRI ASHOK	2	3	3	2	3
PRN: 2262171191533	PATIL ROHAN PRAKASH	3	2	3	2	2
PRN: 2262171191535	PATIL VISHWARAJ MADANKUMAR	2	2	2	2	2
PRN: 2262171191537	PATIL VISHWARAJ MADANKUMAR	2	2	2	3	3
PRN: 2262171191538	BHOSALE GITANJALI AMARDEEP	2	1	2	2	3
PRN: 2262171191539	PATIL DIGVIJAY SUNDARRAO	3	2	1	2	2
PRN: 2262171191540	MANE SATYAJEET SANJAY	2	3	3	3	2
PRN: 2262171191541	VAGHAMARE VAISHNAVI VINAYAK	2	3	2	2	1
PRN: 2262171191542	KOLI ADITYA KUMAR	2	1	2	3	2
PRN: 2262171191543	DESAI GANESH SANJAY	1	1	3	1	2
PRN: 2262171191544	MALI SAGAR TANAJI	3	2	2	2	2
PRN: 2262171191546	PATIL SAYALI SARJERAO	3	3	3	2	3
PRN: 2262171191548	SUTAR JAHD ZAKIR	3	3	1	2	3
PRN: 2262171191549	GAIKWAD NAVNEETKUMAR SIDDHALING	3	2	1	2	3
PRN: 2262171191550	KAMBLE ABHIJIT SHIVAJI	2	2	2	1	2
PRN: 2262171191551	MALAVI PRASHANT BABAN	2	3	2	2	2
PRN: 2262171191552	DHALE CHINMAY AJITKUMAR					
PRN: 2262171191553	NALWADE CHANDRIKA DHONDIRAM					
PRN: 2262171191554	KAMBLE PRAJYOT PRAKASH					
PRN: 2262171191555	RABADE CHAITRALI TANAJI					
PRN: 2262171191556	POWAR RAHUL YALLAPPA					

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 or >3 out of 20) in the MSE
Level 2	60% of students scoring the pass marks (3 or >3 out of 20) in the MSE
Level 3	70% of students scoring the pass marks (3 or >3 out of 20) 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	1	1.70	3	2.74
		MSE	2.4			
CO2	MID 1	CA-I	1	1.38	3	2.68
		MSE	1.75			
CO3	MID 1	CA-I	1	1	3	2.60
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.	2022_23
ASHOKRAO MANE GROUP OF INSTITUTIONS		Class & Semester	SY ODD
DEPARTMENT OF CIVIL ENGINEERING		Course	BTCVC303 - Building Construction & Drawing
CO	COURSE OUTCOME		
CO303.1	Understand types of masonry structures.		
CO303.2	Comprehend components of building and their purposes.		
CO303.3	Draw plan, elevation and section of various structures.		
CO303.4	Apply the principles of planning and by laws used for building planning		
CO303.5	Prepare detailed working drawing for doors and windows.		

CO	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3	-	-	-	-	-	-	-	-	-	-	-	-	2	-
3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
4	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
5	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Attainment	2.8	2	2	-	2	-	-	-	-	-	-	-	-	2	-

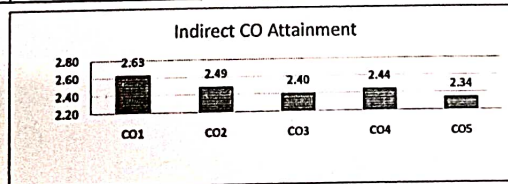
Subject Incharge

Prof. J. A. Patil

HOD

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Attainment	2.58	1.85	1.85	-	1.85	-	-	-	-	-	-	-	-	1.85	-

Indirect Attainment	
CO's	Attainment
CO1	2.63
CO2	2.49
CO3	2.40
CO4	2.44
CO5	2.34



Overall CO Attainment			
CO	DA	IA	Overall
CO1	2.74	2.63	2.73
CO2	2.68	2.49	2.66
CO3	2.60	2.40	2.58
CO4	3.00	2.44	2.94
CO5	3.00	2.34	2.93
Average			2.77

