

Academic Year 2022-23 Semester 1

CO Attainment

Object Oriented Programming

CO→	210243.1	210243.2	210243.3	210243.4	210243.5	210243.6
Assessment tools↓						
Direct Assessment						
Internal Assessment						
Assignment 1	3.00					
Assignment 2		3.00	3.00			
Assignment 3				3.00	3.00	
Assignment 4						3.00
Unit Test 1	3.00	3.00				
Unit Test 2			3.00	3.00		
Average direct Assessment=	3.00	3.00	3.00	3.00	3.00	3.00
A = Internal attainment X 0.3=	0.9	0.9	0.9	0.9	0.9	0.9
University exams						
Insem Result	1.00	1.00				
End Sem Result			2.00	2.00	2.00	2.00
Average direct Assessment=	1.00	1.00	2.00	2.00	2.00	2.00
B = University Result X 0.7=	0.70	0.70	1.40	1.40	1.40	1.40
Total Attainment -Direct Assessment D= (A+B)*.7	1.12	1.12	1.61	1.61	1.61	1.61
Indirect Assessment						
C = Course Exit Survey Attainment	3.00	3.00	3.00	3.00	3.00	3.00
Total Attainment -Indirect Assessment I= (C)*.3	0.9	0.9	0.9	0.9	0.9	0.9
CO Attainment = D+I	2.02	2.02	2.51	2.51	2.51	2.51

Rules for calculating Attainment level through SPPU Exam (University Exam- UE)

Level of Attainment	Rule for Attainment
3	60% or more students having more than average marks
2	50% or more students having more than average marks
1	40% or more students having more than average marks

Method	Tools for Assessment	% Contribution	
Direct(Int)	Assignments	0.3	0.7
	Test-1		
	Test-2		
Direct(Ext)	University Exams(Insem & Endsem)	0.7	
Indirect	Course Exit Survey	0.3	

[Signature]
 Name of the Faculty: Deepali Dhadwad
 Signature:

[Signature]
 Dr.Soumita Das
 Head of Department



Academic Year: 2022-23 Semester-I

PO & PSO Attainment

Object Oriented Programming

Direct PO Attainment

CO\PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C01	2.02	2	1	1	1											
C02	2.02	1	2	1	1								1			
C03	2.51	2	1	2	2											
C04	2.51	2	1	2	1								1			
C05	2.51		1		1											
C06	2.51			1									1			
CO Sum	14.08	7	6	7	6	0	0	0	0	0	0	0	3			

CO\PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C01	2.916	4.04	2.02	2.02	2.02											
C02	3	2.02	4.04	2.02	2.02								2.02			
C03	2.916	5.02	2.51	5.02	5.02											
C04	2.37	5.02	2.51	5.02	2.51								2.51			
C05	2.37		2.51													
C06	3			2.02												
PO Sum		16.1	13.59	16.1	11.57	0	0	0	0	0	0	0	4.53			
Overall Direct PO Attainment		2.30	2.27	2.30	1.93								1.51			
A = Overall Direct PO Attainment*0.8		1.84	1.81	1.84	1.54								1.208			

Indirect PO Attainment

20%	Program/Exit Survey															
	Industrial Training															
	Workshop															
	Guest Lecture/Seminar															
	Total															
B = Overall Indirect PO attainment (20%)																
Overall PO attainment (A+B)		1.84	1.81	1.84	1.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.208			

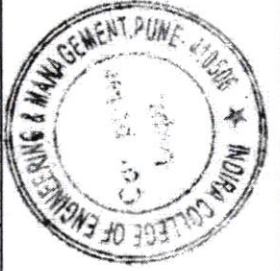
Name of the Faculty: Deepali Dhadwad

Signature:



Dr. Soumitra Das

Head of Department



Registrar
 NDRA College of Engineering & Management
 Parandwadi, Pune

**CO Attainment
Database Management System**

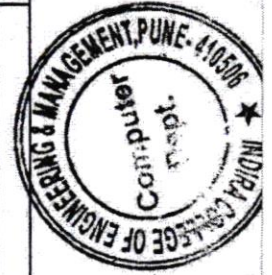
CO →	310241.1	310241.2	310241.3	310241.4	310241.5	310241.6
Assessment tools ↓						
Direct Assessment						
Internal Assessment						
Assignment(1 to 3)	3.00	3.00	3.00	3.00	3.00	3.00
Internal Unit Test 1	2.00	2.00				
Internal Unit Test 2	3.00	3.00	3.00	3.00		
Average direct Assessment=	2.67	2.67	3.00	3.00	3.00	3.00
A = Internal attainment X 0.3=	0.8	0.8	0.9	0.9	0.9	0.9
University exams						
Phase Result(Insem)	2	2	2	2		
End Sem Result	2	2	2	2	2	2
Average direct Assessment=	2.00	2.00	2.00	2.00	2.00	2.00
B = University Result X 0.7=	1.40	1.40	1.40	1.40	1.40	1.40
Total Attainment -Direct Assessment D= (A+B)*.7	1.54	1.54	1.61	1.61	1.61	1.61
Indirect Assessment						
C = Course Exit Survey Attainment	3	3	3	3	3	3
Total Attainment -Indirect Assessment I= (C)*.3	0.9	0.9	0.9	0.9	0.9	0.9
CO Attainment = D+I	2.44	2.44	2.51	2.51	2.51	2.51

Rules for calculating Attainment level through SPPU Exam (University Exam- UE)

Level of Attainment	Rule for Attainment
3	60% or more students having more than average marks
2	50% or more students having more than average marks
1	40% or more students having more than average marks

Method	Tools for Assessment	% Contribution	
		Assignments	Course Exit Survey
Direct(Int)	Test-1	0.3	
	Test-2		
	University	0.7	0.7
Indirect	Course Exit Survey		0.3

Prof. Pragati Malusare
Subject Incharge



Signature
Dr. Soumitra Das
HOD



PO & PSO Attainment Database Management System

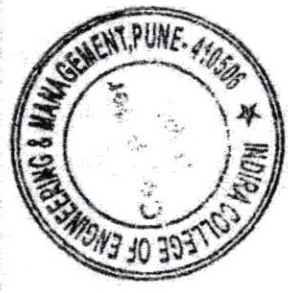
Direct PO Attainment

CO\PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C01	2.44	2	2	3	1				1				3			
C02	2.44		2	3			2						3			
C03	2.51		2	3		1							3			
C04	2.51	2	2	2	2						1		3			
C05	2.51		2	3								1	3			
C06	2.51	2	2					1		2		1	1			
CO Sum		6	12	14	3	1	2	1	1	2	1	2	16			

CO\PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C01	4.88	4.88	4.88	7.32	2.44				2.44				7.32			
C02			4.88	7.32			4.88						7.32			
C03			5.02	7.53		2.51							7.53			
C04		5.02	5.02	5.02	5.02						2.51		7.53			
C05		5.02	5.02	7.53				2.51		5.02		2.51	7.53			
C06		5.02	5.02									2.51	2.51			
PO Sum		14.92	29.84	34.72	7.46	2.51	4.88	2.51	2.44	5.02	2.51	5.02	39.74			
Overall Direct PO Attainment		2.49	2.49	2.48	2.49	2.51	2.44	2.51	2.44	2.51	2.51	2.51	2.484			
A = Overall Direct PO Attainment*0.8		1.99	1.99	1.98	1.99	2.008	1.952	2.008	1.952	2.008	2.008	2.008	1.987			

Indirect PO Attainment

20%	Program Exit Survey															
	Industrial Training															
	Workshop															
	Guest Lecture/Seminar															
	Total															
B = Overall Indirect PO attainment (20%)																
Overall PO attainment (A+B)		1.99	1.99	1.98	1.99	2.008	1.952	2.008	1.952	2.008	2.008	2.008	1.987			



$$PO_i = \frac{\sum_{j=1}^n CO_j W_j}{\sum_{j=1}^n W_j}$$


 Prof. Pragati Malusare
 Subject Incharge


 Registrar
 Indira College of Engineering & Management
 Parandwadi, Pune


 Dr. Soumitra Das
 HOD

Machining Science & Technology

CO	302045-B.1	302045-B.2	302045-B.3	302045-B.4	302045-B.5	302045-B.6
Assignment 1	3.00	0.00	0.00	0.00	0.00	0.00
Assignment 2	0.00	1.00	1.00	0.00	0.00	0.00
Assignment 3	0.00	0.00	0.00	2.00	2.00	2.00
Open Book Test	2.00	2.00	0.00	0.00	0.00	0.00
Unit Test I	2.00	2.00	0.00	0.00	0.00	0.00
Continuous Assessment	1.00	1.00	1.00	1.00	1.00	1.00
Phase I/Insem	3.00	3.00	0.00	0.00	0.00	0.00
Phase II						
End Sem University Exam	0.00	0.00	2.00	2.00	2.00	2.00
Average direct Assessment =	2.00	1.50	1.00	1.50	1.50	1.50
A = Internal attainment X 0.3 =	0.60	0.45	0.30	0.45	0.45	0.45
B = University Result X 0.7 =	0.00	0.00	1.40	1.40	1.40	1.40
Total Attainment -Direct Assessment D = (A+B) X 0.7	1.82	1.37	0.91	1.37	1.37	1.37
Course Exit Survey Attainment	0.75	0.90	1.05	0.80	0.90	0.60
Total Attainment -Indirect Assessment I = (C) X 0.3	0.23	0.27	0.32	0.24	0.27	0.18
CO Attainment = D+I	2.05	1.64	1.23	1.61	1.64	1.55



YMP

Head of Department
(Mechanical Engg.)

Indra College of Engineering and Management
Parandwadi, Pune 412 507

SK

Registrar

Indra College of Engineering & Management
Parandwadi, Pune



PO & PSO Attainment
Machining Science & Technology

Direct PO Attainment

CO/PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
CO1	2.05	3.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO2	1.64	3.00	2.00	2.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO3	1.23	2.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO4	1.61	1.00	3.00	1.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO5	1.64	1.00	1.00	2.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO6	1.55	2.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sum		12.00	13.00	12.00	14.00											

Indirect PO Attainment

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
CO1	6.14	6.14	6.14	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO2	4.91	3.27	3.27	4.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO3	2.45	2.45	2.45	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO4	1.61	4.82	1.61	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO5	1.64	1.64	3.27	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO6	3.27	3.27	3.27	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PO Sum	20.00	21.58	20.00	23.21											
Direct PO Attainment	1.67	1.66	1.67	1.66											
Direct PO Attainment*0.8	1.33	1.33	1.33	1.33											

Indirect PO Attainment

Program/Exit Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
Industrial Training															
Workshop															
Guest Lecture/Seminar	2.00														
Total	2.00														
B = Overall Indirect PO attainment (20%)	0.40														
O attainment (A+B)	1.73	1.33	1.33	1.33											

- 3.00 Substantial (High/Strong)
- 2.00 Moderate (Medium)
- 1.00 Slight (Low/Poor)

Justification of CO-PO Mapping

Registrar
Indira College of Engineering & Management
Parandwadi, Pune



Head of Department
(Mechanical Engg.)
Indira College of Engineering and Management
Parandwadi, Pune 410 506



CO Attainment Solid Mechanics						
CO→	202041.1	202041.2	202041.3	202041.4	202041.5	202041.6
Assessment tools↓	Direct Assessment					
Internal Assessment						
Practice Test						
Mid Term						
Assignment	3.00	3.00	3.00	3.00	3.00	3.00
Practical	2.00	2.00	2.00	2.00	2.00	2.00
Unit test	3.00	3.00	3.00	3.00	3.00	3.00
MCOs						
Prelim Exam						
Open Book Test	3.00	3.00	3.00	3.00	3.00	3.00
Average direct Assessment=	2.75	2.75	2.75	2.75	2.75	2
A = Internal attainment X 0.3 =	0.825	0.825	0.825	0.825	0.825	0.6
University exams						
INSEM Result	2	2	2	2	2	2
End Sem Result	0	0	0	0	0	0
B = University Result X 0.7 =	0	0	0	0	0	0
Total Attainment -Direct Assessment D= (A+B)*7	0.5775	0.5775	0.5775	0.5775	0.5775	0.5775
Indirect Assessment						
C = Course Exit Survey Attainment	3	2	2	2	3	2
Total Attainment -Indirect Assessment I= (C)*.3	0.9	0.6	0.6	0.6	0.9	0.6
CO Attainment = DH	1.4775	1.1775	2.1575	2.1575	2.4575	2

Method	Tools for Assessment	% Contribution
Direct(int)	Assignments	0.3
	Practical Evaluation	
	Test-1 Test-2	
Direct(Ext)	University Exams(Phase/Insem & Endsem)	0.7
Indirect	Course Exit Survey	0.3

Enter the CO attainment of applicable assessment tools

Rules for calculating Attainment level through SPPU Exam (University exam- UE) Attainment level should be decided by HOD as per the difficulty level of the course

Level of Attainment	Rule for Attainment
3	60% or more students having more than average marks
2	50% or more students having more than average marks
1	less than 50% having more than average marks



PO & PSO Attainment
Solid Mechanics

Direct PO Attainment

CO\PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C01	1.4775	3	2	2	2	2										
C02	1.1775	3	2	2	2	1										
C03	2.1575	3	2	2	2	1	2									
C04	2.1575	3	3	3	3											
C05	2.4575	3	3	3	3		2									
C06	2	3	3	3	3											
CO Sum		18	15	15	15	4	4									

Indirect PO Attainment

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C01	4.4325	2.955	2.955	2.955	2.955										
C02	3.5325	2.355	2.355	1.1775											
C03	6.4725	4.315	4.315	2.1575	4.315										
C04	6.4725	6.4725	6.4725												
C05	7.3725	7.3725	7.3725		4.915										
C06	6	6	6												
PO Sum	34.2825	29.47	29.47	6.29	9.23										
Overall Direct PO Attainment	1.904583	1.964667	1.964667	1.5725	2.3075										
A = Overall Direct PO Attainment*0.8	1.523667	1.571733	1.571733	1.258	1.846										

20%	Program/Exit Survey															
	Industrial Visit															
	Workshop															
	Guest Lecture/Seminar															
	Total															
B = Overall Indirect PO attainment (20%)																
Overall PO attainment (A+B)	1.523667	1.571733	1.571733	1.258	1.846											

$$PO_t = \frac{\sum_{j=1}^n CO_j W_j}{\sum_{j=1}^n W_j}$$

Ashwini
Prof. Ashwini Gaikwad
Subject Teacher

Registrar
 Indira College of Engineering & Management
 Parandwadi, Pune



Y.M.S.
Head of Department
 (Mechanical Engg.)
 Indira College of Engineering and Management
 Parandwadi, Pune 410 506

**CO-PO mapping
Solid Mechanics**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
202041.1	3	3	3	3	2	2									
202041.2	3	3	3	3	1										
202041.3	3	3	3	3	1	2									
202041.4	3	3	3	3	2	2									
202041.5	3	3	3	3	2	2									
202041.6	3	3	3	3	2	2									
CO mapping	3	3	3	3	2	2									
CO SUM	18	18	18	18	6	6									

Enter CO-PO & CO-SO Mapping

- 3 Substantial (High/Strong)
- 2 Moderate (Medium)
- 1 Slight (Low/Poor)

Justification of CO-PO Mapping

PO1	Knowledge
PO2	Analyse
PO3	Design
PO4	Complex problem
PO5	Modern Tool Usage
PO6	Health Issues
PO7	Environment
PO8	Ethics
PO9	Individual and team
PO10	Communication

Therefore it is highly correlated to PO2.

Ashwini
Prof. Ashwini Gaitwad
 Subject Teacher



Be
Registrar

Indira College of Engineering & Management
 Parandwadi, Pune



S. S. S.
Head of Department
 (Mechanical Engg.)
 Indira College of Engineering and Management
 Parandwadi, Pune 410 505



Subject Name	Subject Teacher	Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
Enterprise Performance Management	Prof. Aditee Huparikar	TARGET	3	3	3	3	3	3	3	3	3	3						
		ACHIEVED	2.5	1.827	1.874	1.887	1.874	2.461	1.833	1.84	2.452	3						
Indian Ethos & Business Ethics	Subject Teacher	TARGET	3	3	3	3	3	3	3	3	3	3						
		ACHIEVED	2.7	2.359	1.768	2.246	2.218	0.6					2.436					
Global Strategic Management	Subject Teacher	TARGET	3	3	3	3	3	3	3	3	3	3						
		ACHIEVED	2.3	2.263	2.24	2.297	2.256	2.297	2.244	2.277	2.255	2.257						
Corporate Social Responsibility & Sustainability	Subject Teacher	TARGET	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00						
		ACHIEVED	1.1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.52	1.5	1.52					
Marketing 4.0	Subject Teacher	TARGET	3	3	3	3	3	3	3	3	3	3						
		ACHIEVED	2.3	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	0	3					
Marketing Strategy	Subject Teacher	TARGET	3	3	3	3	3	3	3	3	3	3						
		ACHIEVED	2.60	2.00	2.00			2	2.1	2.1	2.1							
Customer Relationship Management	Subject Teacher	TARGET	3.00	3.00	3	3	3	3	3	3	3	3						
		ACHIEVED	2.9	2	2	2.2			2	2	2							
Retail Marketing	Subject Teacher	TARGET	3.00	3.00	3	3	3	3	3	3	3	3						
		ACHIEVED	1.6	1.5	1.5	0			1	1								
Financial Laws	Subject Teacher	TARGET	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00						
		ACHIEVED	2.8	2.19	2.276	2.299	2.274	2.851	2.201	2.215	2.836	3						



HR Operations	Dr. Archana Salve	TARGET	3.00	3.00	3	3	3.00	3	3	3	3	3	3	3	3					
	Subject Teacher	ACHIEVED	2.92	2.9	3	2.79	0													
		Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3					
Talent Management	Dr. Archana Salve	TARGET	3.00	3.00	3	3	3.00	3.00	3	3	3	3								
	Subject Teacher	ACHIEVED	2.91	2.7	2.28	2.34	2.32	2.83				2.32	2.9							
		Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3					
Psychometric Testing and Assessment	Dr. Archana Salve	TARGET	3.00	3.00	3	3	3.00	3.00	3	3	3	3								
	Subject Teacher	ACHIEVED	2.91	2.22	2.28	2.34	2.22	2.83				2.32	2.9							
		Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3					
Performance Management System	Dr. Archana Salve	TARGET	3.00	3.00	3	3	3.00	3.00	3	3	3	3								
	Subject Teacher	ACHIEVED	2.22	2.7	2.28	2.34	2.32	2.83				2.32	2.9							
		Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3					
International Business Economics	Prof. Aditee Huparikar	TARGET	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00								
	Subject Teacher	ACHIEVED	2.85	2.19	2.26	2.30	2.27	2.84	2.20	2.22	2.84	2.85								
		Attainment											PSO1	PSO2	PSO3					
Project Management	Prof. Pravin Thorat	TARGET	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00								
	Subject Teacher	ACHIEVED	2.47	2.07	2.07	2.07	2.04	2.07	2.07	2.47	2.5	2.46								
		Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3					
Knowledge Management	Prof. Monica	TARGET	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00								
		ACHIEVED	1.38	1.4	1.41	1.28	1.5	1.28	1.32			1.35								



Avg Target #REF!

Avg Achieved #REF!

Dr. Archana Salve
Registrar
 Indira College of Engineering & Management
 Parandwar, Pune

Dr. Archana Salve
 HOD MBA



INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

Department of Civil Engineering
PO Attainment

Year : SE

Academic Year 2022-23

SEM- II

Subject Name	Faculty Name	Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
			TARGET	TARGET	TARGET	TARGET	TARGET	TARGET	TARGET	TARGET	TARGET	TARGET	TARGET	TARGET
Geotechnical Engineering (VSC)	Prof. Vishal Chaugule	ACHIEVED												
		Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Survey (VKS)	Prof. Vijay Kumar Saini	TARGET	2	2	2	2	2	2			2			2
		ACHIEVED	1.8	1.8	1.8	1.8	1.8	1.8			1.8			1.8
Concrete Technology (AAJ)	Prof. Ashwini Joshi	Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
		TARGET												
Structural Analysis (MIB)	Prof. Madhuri Bore	ACHIEVED												
		Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Project management (SAJ)	Prof. Savita Jangale	TARGET	2	2	2	2	2	2		2	2	2	2	2
		ACHIEVED	1.4		1.1	1.1		1.1		1.7	1.7	1.7	1.3	1.5
Avg Target			2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Avg Achieved			1.59	1.78	1.45	1.44	1.84	1.43	1.67	1.67	1.76	1.67	1.33	1.64



INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

Department of Civil Engineering
CO Attainment

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SEM- II

Subject Name	Faculty Name	CO1	CO2	CO3	CO4	CO5	CO6
Geotechnical Engineering (VSC)	Prof. Vishal Chaugule						
Survey (VKS)	Prof. Vijay Kumar Saini	2.2	2.2	2.3	2.3	2.3	2.3
Concrete Technology (AAJ)	Prof. Ashwini Joshi						
Structural Analysis (MSB)	Prof. Madhuri Bore						
Project management (SAJ)	Prof. Savita Jangale	1.32	1.32	2.33	1.88	1.88	1.88



H.O.D.



INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT
Department of Civil Engineering
PO Attainment

Year : BE

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Subject Name	Faculty Name	SEM- I													
		Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Foundation Engineering (SRI)	Prof. Sachin Ingle	TARGET	2.5	2.5	2.5			2.5	2.5						2.5
		ACHIEVED	2.2	2.2	2.2			2.2	2.2						2.2
Transportation Engineering (VKS)	Prof. Vijay Kumar Saini	TARGET	2.5	2.5	2.5	2.5	2.5	2.5		PO8	PO9	PO10	PO11	PO12	
		ACHIEVED	1.84	2.008	1.756	1.9072	1.84	1.84				2.5			2.5
Elective III - Operation Research (AAJ)	Prof. Ashwini Joshi	TARGET	2	2	2	2	2	2		PO8	PO9	PO10	PO11	PO12	
		ACHIEVED	1.5	1.4	1.6	1.5	1.6	1.5			2				2
Elective IV - Air Pollution and control (MRC)	Prof. Manasi Chavan	TARGET													
		ACHIEVED													
Elective IV - Design of Prestressed Concrete Structures (NVVM)	Prof. Nikhil Mulik	TARGET	2	2	2	2	2	2		PO8	PO9	PO10	PO11	PO12	
		ACHIEVED	1.6	1.6	1.6	1.6	1.6								
Avg Target			2.25	2.25	2.25	2.17	2.25	2.33	2.50		2.25			2.33	
Avg Achieved			1.79	1.82	1.80	1.68	1.73	1.85	2.23		1.67			1.87	



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Subject Name	Faculty Name	SEM- I					
		CO1	CO2	CO3	CO4	CO5	CO6
Foundation Engineering (SRI)	Prof. Sachin Ingle	TARGET	2.8	2.8	2.8	2.8	2.8
		ACHIEVED					
Transportation Engineering (VKS)	Prof. Vijay Kumar Saini	TARGET	2.5	2.5	2.5	1.9	1.9
		ACHIEVED					
Elective III - Operation Research (AAJ)	Prof. Ashwini Joshi	TARGET	1.6	1.6	2.1	2.1	1.9
		ACHIEVED					
Elective IV - Air Pollution and control (MRC)	Prof. Manasi Chavan	TARGET					
		ACHIEVED					
Elective IV - Design of Prestressed Concrete Structures (NVVM)	Prof. Nikhil Mulik	TARGET	2.3	2.3	1.9	1.9	1.9
		ACHIEVED					

FSA



Registrar
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Parandwadi, Pune
H.O.D.

