

# Academic Year 2022-23 Semester 1

## CO Attainment

### Object Oriented Programming

CO→	210243.1	210243.2	210243.3	210243.4	210243.5	210243.6
<b>Assessment tools↓</b>						
<b>Direct Assessment</b>						
<b>Internal Assessment</b>						
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
<b>University exams</b>						
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
<b>Indirect Assessment</b>						
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(Ins em & Endsem)	0.7	
Indirect	Course Exit Survey	0.3	

Name of the Faculty: Deepali Dhadwad  
Signature:

Dr. Soumita Das  
Head of Department



# Academic Year: 2022-23 Semester-I

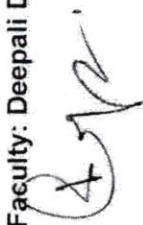
## PO & PSO Attainment

### Object Oriented Programming

CO\PO		CO Attainment						Direct PO Attainment								
CO	PO	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	0	0	3	

CO\PO		PO Attainment						Indirect PO Attainment						PSO 1	PSO 2	PSO 3
CO	PO	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	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	

20%	Indirect PO Attainment											
	ProgramExit Survey	Industrial Training	Workshop	Guest Lecture/Seminar	Total	B = Overall Indirect PO attainment (20%)	Overall PO attainment (A+B)	PSO 1	PSO 2	PSO 3	PSO 4	

Name of the Faculty: Deepali Dhadwad  
Signature: 

Signature:



Dr. Soumitra Das  
Head of Department  
Principal Officer



  
Registrar  
Indira College of Engineering & Management  
Parandwadi, Pune

## CO Attainment

### Database Management System

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

  
 Prof. Pragati Malusare  
 Subject Incharge



  
 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
CO1	2.44	2	2	3	1					1					3	
CO2	2.44	.	2	3		2									3	
CO3	2.51		2	3		1									3	
CO4	2.51	2	2	2	2					1					3	
CO5	2.51		2	3							1				3	
CO6	2.51	2	2						1			2		1	1	
CO Sum		6	12	14	3	1	2	1	1	2	1	2	1	2	16	

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
CO1	4.88	4.88	7.32	2.44				2.44						7.32	
CO2		4.88	7.32			4.88								7.32	
CO3		5.02	7.53		2.51									7.53	
CO4	5.02	5.02	5.02	5.02						2.51				7.53	
CO5		5.02	7.53										2.51	7.53	
CO6	5.02	5.02					2.51			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

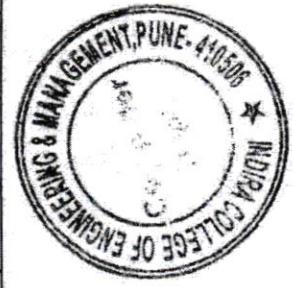
ProgramExit Survey															
Industrial Training															
Workshop															
Guest Lecture/Seminar															
Total															
B = Overall Indirect PO attainment (20%)															
Overall PO attainment (A+B)	1.99	1.99	1.98	1.99	2.008	1.952	2.008	1.952	2.008	2.008	2.008	1.987			

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



Prof. Pragati Malusare  
Subject Incharge

  
Registrar



  
Dr. Soumitra Das  
HOD

## CO Attainment

## CO Attainment

## Machining Science &amp; Technology

CO	302045-B.1	302045-B.2	302045-B.3	302045-B.4	302045-B.5	302045-B.6
<b>Assignment 1</b>	3.00	0.00	0.00	0.00	0.00	0.00
<b>Assignment 2</b>	0.00	1.00	1.00	0.00	0.00	0.00
<b>Assignment 3</b>	0.00	0.00	0.00	2.00	2.00	2.00
<b>Open Book Test</b>	2.00	2.00	0.00	0.00	0.00	0.00
<b>Unit Test1</b>	2.00	2.00	0.00	0.00	0.00	0.00
<b>Continuous Assessment</b>	1.00	1.00	1.00	1.00	1.00	1.00
<b>Phase I/Insem</b>	3.00	3.00	0.00	0.00	0.00	0.00
<b>Phase II</b>						
<b>End Sem University Exam</b>	0.00	0.00	2.00	2.00	2.00	2.00
<b>Average direct Assessment=</b>	2.00	1.50	1.00	1.50	1.50	1.50
<b>A = Internal Attainment X 0.3=</b>	0.60	0.45	0.30	0.45	0.45	0.45
<b>B = University Result X 0.7=</b>	0.00	0.00	1.40	1.40	1.40	1.40
<b>Total Attainment-Direct Assessment D= (A+B) X 0.7</b>	1.82	1.37	0.91	1.37	1.37	1.37
<b>Course Exit Survey Attainment</b>	0.75	0.90	1.05	0.80	0.90	0.60
<b>Total Attainment -Indirect Assessment I= (C) X 0.3</b>	0.23	0.27	0.32	0.24	0.27	0.18
<b>CO Attainment = D+I</b>	2.05	1.64	1.23	1.61	1.64	1.55



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Registrar  
Indira College of Engineering & Management  
Parandwadi, Pune

*S. S. Patil*  
Head of Department  
(Mechanical Engg.)

Indira College of Engineering and Management  
Parandwadi, Pune 411 551



**PO & PSO Attainment**  
**Machining Science & Technology**

CO PO		CO Attainment						Direct PO Attainment								
CO	PO	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											

CO PO		PO Attainment						Indirect PO Attainment						PSO 1	PSO 2	PSO 3
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											

0.20		Program Exit Survey		Industrial Training		Workshop		Guest Lecture/Seminar		Total		B = Overall Indirect PO attainment (20%)		O attainment (A+B)	
		Guest Lecture/Seminar	Total	Guest Lecture/Seminar	Total	Guest Lecture/Seminar	Total								

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

**Justification of CO-PO Mapping**

*[Signature]*  
**Registrar**  
 Indira College of Engineering & Management  
 Parandwadi, Pune



*[Signature]*  
**Head of Department**  
**(Mechanical Engg.)**  
 Indira College of Engineering and Management  
 Parandwadi, Pune 410506



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	3.00
Practical	2.00	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	3.00
All CO's							
Prelim Exam							
Open Book Test	3.00	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	2.75	2.75
A = Internal attainment X 0.3=	0.825	0.825	0.825	0.825	0.825	0.825	0.825
University exams							
INSEM Result	2.00	2.00	2.00	2.00	2.00	2.00	2.00
End Sem Result	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B = University Result X 0.7=	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Attainment-Direct Assessment D= (A+B)*.7	0.5775	0.5775	0.5775	0.5775	0.5775	0.5775	0.5775
Indirect Assessment							
C = Course Exit Survey Attainment	3	2	2	2	2	2	2
Total Attainment-Indirect Assessment I= (C)*.3	0.9	0.6	0.6	0.6	0.6	0.6	0.6
CO Attainment = D+I	1.4775	1.1775	1.1775	2.1575	2.1575	2.4575	2

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
CO1		1.4775	3	2	2	2										
CO2		1.1775	3	2	2	2	1									
CO3		2.1575	3	2	2	2	1	2								
CO4		2.1575	3	3	3	3										
CO5		2.4575	3	3	3	3										
CO6		2	3	3	3	3										
CO Sum		18	15	15	4	4										

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3	
CO1		4.4325	2.955	2.955	2.955											
CO2		3.5325	2.355	2.355	2.355	1.1775										
CO3		6.4725	4.315	4.315	4.315	2.1575	4.315									
CO4		6.4725	6.4725	6.4725	6.4725											
CO5		7.3725	7.3725	7.3725	7.3725											
CO6		6	6	6	6											
PO Sum		34.2825	29.47	29.47	29.47											
Overall Direct PO Attainment		1.904583	1.964667	1.964667	1.964667	1.57725	1.57725	1.57725	1.57725	1.57725	1.57725	1.57725	1.57725	1.57725	1.57725	1.57725
A = Overall Direct PO Attainment*0.8		1.523667	1.571733	1.571733	1.571733	1.258	1.258	1.258	1.258	1.258	1.258	1.258	1.258	1.258	1.258	1.258

**Indirect PO Attainment**

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

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

*Ashwini Gaikwad*  
Subject Teacher  
Prof. Ashwini Gaikwad

*Registrar*  
Indira College of Engineering & Management  
Parandwadi, Pune

*Ahu*

**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	2	2										
202041.2	3	3	3	1											
202041.3	3	3	3	1	2										
202041.4	3	3	3	1											
202041.5	3	3	3	2	2										
202041.6	3	3	3	3	2										
CO mapping	3	3	3	3	2	2									
CO sum	18	18	18	6	6	6									

- 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.

Enter CO-PO & CO-SO Mapping

*S. J. Patil*  
**Head of Department**

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



*B. B. Patil*  
**Registrar**  
Indira College of Engineering & Management  
Parandwadi, Pune

*A. J. Patil*  
**Prof. Ashwin Gaikwad**  
**Subject Teacher**



**Year : SY BATCH 2022-23**

**PO Attainment**

**Academic Year 2022-23 SEM-4**

Subject Name	Subject Teacher	Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO1	PSO2	PSO3
Enterprise Performance Management	Prof. Aditee Huparkar	TARGET ACHIEVED	2.5	1.827	1.874	1.887	1.874	2.461	1.833	1.84	2.452	3	3	3			
Subject Name	Subject Teacher	Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO1	PSO2	PSO3
Indian Ethos & Business Ethics	Aditi Huaprikar	TARGET ACHIEVED	2.7	2.359	1.768	2.246	2.218	0.6									
Subject Name	Subject Teacher	Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO1	PSO2	PSO3
Global Strategic Management	Dr Archana Salve	TARGET ACHIEVED	2.3	2.263	2.24	2.297	2.256	2.297	2.244	2.277	2.255	2.257					
Subject Name	Subject Teacher	Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO1	PSO2	PSO3
Corporate Social Responsibility & Sustainability	Prof. Aditee Huparkar	TARGET ACHIEVED	1.1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.52	1.5	1.52				
Subject Name	Subject Teacher	Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO1	PSO2	PSO3
Marketing 4.0	Dr. Priyanka Pawar	TARGET ACHIEVED	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00			
Subject Name	Subject Teacher	Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO1	PSO2	PSO3
Marketing Strategy	Dr. Priyanka Pawar	TARGET ACHIEVED	2.3	2.4	2.3	2.4			2.4	2.4	2.4	2.4	2.4	0	3		
Customer Relationship Management	Dr. Priyanka Pawar	TARGET ACHIEVED	2.60	2.00	2.00				2	2.1	2.1						
Subject Name	Subject Teacher	Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO1	PSO2	PSO3
Retail Marketing	Dr. Priyanka Pawar	TARGET ACHIEVED	3.00	3.00	3	3			3	3	3						
Subject Name	Subject Teacher	Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO1	PSO2	PSO3
Financial Laws	Prof. Aditee Huparkar	TARGET 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	3.00	3	3	3	3	3
	Subject Teacher	ACHIEVED	<b>2.92</b>	<b>2.9</b>	<b>2.78</b>	<b>3</b>	<b>2.79</b>	<b>0</b>					
Subject Name	Subject Teacher	Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1 PSO2 PSO3
	TARGET		3.00	3.00	3	3	3.00	3.00	3	3	3	3	
Talent Management	Dr. Archana Salve	ACHIEVED	<b>2.91</b>	<b>2.7</b>	<b>2.28</b>	<b>2.34</b>	<b>2.32</b>	<b>2.83</b>					
	Subject Teacher	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	3
	Subject Teacher	ACHIEVED	<b>2.91</b>	<b>2.22</b>	<b>2.28</b>	<b>2.34</b>	<b>2.22</b>	<b>2.83</b>					
Subject Name	Subject Teacher	Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1 PSO2 PSO3
	Dr. Archana Salve	TARGET	3.00	3.00	3	3	3.00	3.00	3	3	3	3	
Performance Management System	Subject Teacher	ACHIEVED	<b>2.22</b>	<b>2.7</b>	<b>2.28</b>	<b>2.34</b>	<b>2.32</b>	<b>2.83</b>					
	Dr. Archana Salve	ACHIEVED	<b>2.91</b>	<b>2.7</b>	<b>2.28</b>	<b>2.34</b>	<b>2.22</b>	<b>2.83</b>					
International Business Economics	Prof. Aditee Huparikar	TARGET	3.00	3.00	3	3	3.00	3.00	3	3	3	3	3
	Subject Teacher	ACHIEVED	<b>2.85</b>	<b>2.19</b>	<b>2.26</b>	<b>2.30</b>	<b>2.27</b>	<b>2.84</b>	<b>2.20</b>	<b>2.22</b>	<b>2.84</b>	<b>2.85</b>	
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	3.00
	Subject Teacher	ACHIEVED	<b>2.47</b>	<b>2.07</b>	<b>2.07</b>	<b>2.04</b>	<b>2.07</b>	<b>2.07</b>	<b>2.07</b>	<b>2.47</b>	<b>2.5</b>	<b>2.46</b>	
Knowledge Management	Subject Teacher	Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1 PSO2 PSO3
	Prof. Monica	TARGET	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
Avg Target		#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Avg Achieved		#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Avg Target  
Avg Achieved

#REF! #REF!

Dr. Archana Salve  
HOD MBA

*Arsh*  
Registrar

Indira College of Engineering & Management  
Parandwadi, Pune



**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	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
Geotechnical Engineering (VSC)	Prof. Vishal Chaugule ACHIEVED	TARGET												
		Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
			2	2	2	2	2	2	2	2	2	2	2	2
Survey (VKS)	Prof. Vijay Kumar Saini ACHIEVED	TARGET	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
		Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
Concrete Technology (AAJ)	Prof. Ashwini Joshi ACHIEVED	TARGET												
		Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
Structural Analysis (MSB)	Prof. Madhuri Bore ACHIEVED	TARGET												
		Attainment	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
Project management (SAJ)	Prof. Savita Jangale ACHIEVED	TARGET	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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	1.76	1.67	1.33	1.64	1.64

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INDIRA

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 2022-23

SEM- II

Subject Name	Faculty Name	C01	C02	C03	C04	C05	C06
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

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 PO Attainment

Year : BE

2022-23

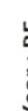
Academic Year

SEM- I

Subject Name	Faculty Name	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	Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
		TARGET	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Elective III - Operation Research (AAJ)	Prof. Ashwini Joshi	Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
		TARGET	2	2	2	2	2	2	2	2	2	2	2	2
Elective IV - Air Pollution and control (MRC)	Prof. Manasi Chavan	Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
		TARGET	1.5	1.4	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.6	1.6	1.5
Subject Name	Elective IV - Design of Prestressed Concrete Structures (NVM)	Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
		TARGET	2	2	2	2	2	2	2	2	2	2	2	2
Avg Target			2.25	2.25	2.25	2.17	2.25	2.33	2.50	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	1.67	1.67	1.67	1.87

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Academic Year

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SEM- I

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

**Registrar**

Parandwadi, Pune  
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 \* Indira College of Engineering & Management  
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