



Estd. 1999

# Chhatrapati Shivaji Institute of Technology

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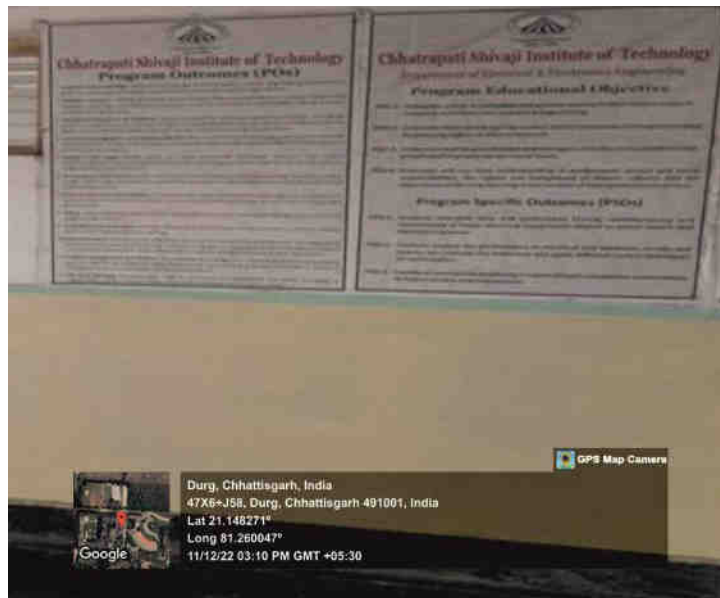
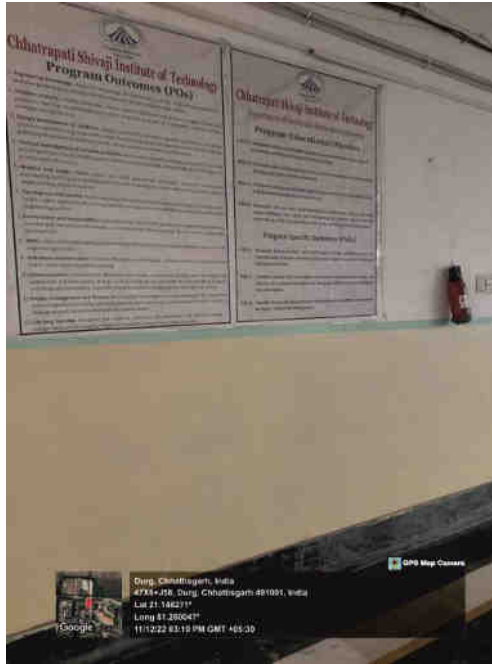
## 2.6.2: Attainment of POs and COs are evaluated

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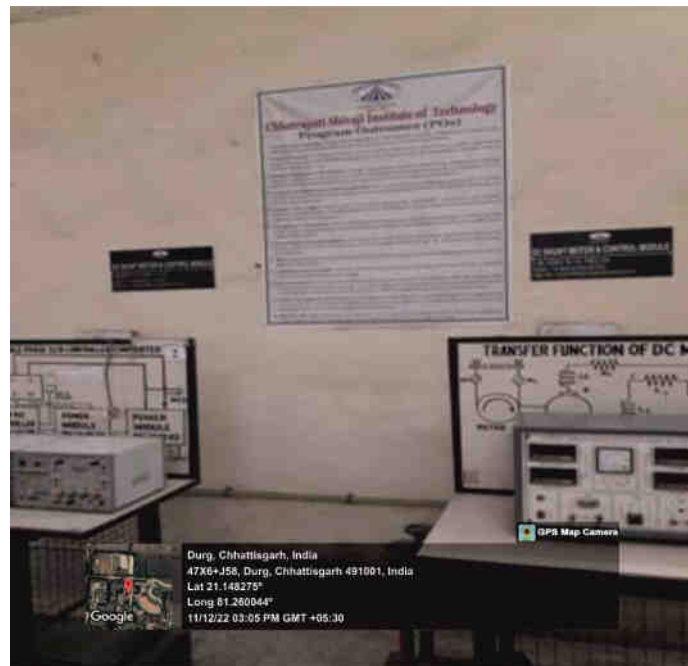
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## Display of COs, Pos, PEOs and PSO in campus

### Corridor



## LABORATORY



## Class Rooms





## Chhatrapati Shivaji Institute of Technology

Balod Road, Shivaji Nagar, Durg, Chhattisgarh 491001

Department of Electrical & Electronics Engg

### COURSE ASSESSMENT SHEET FOR 2022-23

<b>PROGRAM:</b> Electrical & Electronics	<b>DEGREE:</b> B Tech
<b>COURSE:</b> Power System Protection	<b>SEMESTER:</b> 7th <b>CREDITS:</b> 4
<b>COURSE CODE:</b> D025712(025)	<b>COURSE TYPE:</b> CORE
<b>COURSE AREA/DOMAIN:</b> Electrical Engg	<b>CONTACT HOURS:</b> 3+1 (Tutorial) hours/Week.
<b>CORRESPONDING LAB COURSE CODE (IF ANY):</b>	<b>LAB COURSE NAME (IF ANY):</b>

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C402 Electrical Drives	C402.1	<b>Express</b> the operation of electrical drives and <b>Interpret</b> the data of various parameters. (level 2, 3)
	C402.2	<b>Model</b> different modes of operation of drives with its control and <b>analyse</b> thermal model (level 3, 4)
	C402.3	<b>Explain</b> the performance of dc drives and <b>categorise</b> different controllers. (level 2,4)
	C402.4	<b>Explain</b> the performance of induction motor and synchronous motor drives and <b>categorise</b> different controllers under different conditions. (level 2,4)
	C402.5	<b>Illustrate</b> the traction model and <b>interpret</b> parameters. (level 2, 3)

### CO-PO Mapping

Course	PO CO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
		1	2	3	4	5	6	7	8	9	10	11	12
C402 Electrical Drives	C402.1	3	3	2	3	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’
	C402.2	2	3	2	3	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	3
	C402.3	3	2	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’
	C402.4	2	2	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’
	C402.5	3	3	‘-’	3	2	2	‘-’	‘-’	‘-’	‘-’	‘-’	3
	C402	2.6	2.6	2	3	2	2	‘-’	‘-’	‘-’	‘-’	‘-’	3



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## CO-PSOMapping

Course	PSO	PSO1	PSO2	PSO3
C402 Electrical Drives	C402.1	‘-’	‘-’	1
	C402.2	2	‘-’	3
	C402.3	‘-’	2	2
	C402.4	‘-’	2	2
	C402.5	3	‘-’	3
	<b>C402</b>	<b>2.5</b>	<b>2</b>	<b>2.2</b>

### Course Outcome Assessment

Direct method is the average academic performance all students in the specified course.

Aspect	Threshold X	Weightage	All students average performance	Overall course direct assessment
Teacher Assessment	60%	10	A	0.1*A+ 0.2*B+ 0.7*C = A1
Class Test	50%	20	B	
End Semester Exam	40%	70	C	

### Course Outcome Attainment

Assessment Methods	Attainment Levels	
Teacher Assessment (TA)	Level 1	60% of students scoring more than X% marks in TA assessment tools
	Level 2	70% of students scoring more than X% marks in TA assessment tools
	Level 3	80% of students scoring more than X% marks in TA assessment tools
Class Test (CT)	Level 1	Less than equal to 50% of students scoring more than X% marks in CT assessment tools
	Level 2	Between 51-60% of students scoring more than X% marks in CT assessment tools
	Level 3	More than 60% of students scoring more than X% marks in CT assessment tools
End Semester Exam(ESE) Assessment	Level 1	Less than equal to 40% of students scoring more than X% marks in ESE
	Level 2	Between 41-60% of students scoring more than X% marks in ESE
	Level 3	More than 60% of students scoring more than X% marks in ESE

## Students performance

Sl. No	Univ Reg. No	Name of the Students	Secured Mark (%)		
			TA	CT	ESE
1	300302519001	AJEET VERMA	94	75	35
2	300302519002	CHANDRIKA	100	100	53
3	300302519003	DEEPIKA	97	90	37
4	300302519005	DHARMENDRA KUMAR	94	60	57
5	300302519007	JAI DESHMUKH	87	75	37
6	300302519010	MAITREE	97	90	60
7	300302519011	MANEESH KEWAT	90	90	47
8	300302519015	SAGAR JAISWAL	90	70	48
9	300302519016	SHUBHAM SINGH	84	75	11
10	300302519017	SURYAKANT TAMRAKAR	90	80	42
11	300302519018	VINAY KUMAR	90	75	40
12	300302520300	P.YAMINI [T.C COURSE]	84	45	48

	TA	CT	ESE
<b>Total Number of Students</b>	<b>12</b>	<b>12</b>	<b>12</b>
<b>Number of students Scoring above threshold(X)</b>	<b>12</b>	<b>11</b>	<b>8</b>
<b>Percentage</b>	<b>100</b>	<b>92</b>	<b>67</b>
<b>Attainment Level</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>Weightage</b>	<b>10</b>	<b>20</b>	<b>70</b>
<b>Overall Attainment</b>	<b>3</b>		

## Course Outcome Attainment:

For example:

Attainment through TA: Moderate i.e. 2

Attainment through Class Test: Moderate i.e. 2

Attainment through University Examination: Substantial i.e. 3

Assuming 70% weightage to University examination and 20% weightage to Class Test and 10% weightage to TA, the attainment calculations will be (80% of University level) +(20% of Internal level ) i.e. 70% of 3 + 20% of 3 + 10% of 3 = 2.1 + 0.6+ 0.3 = 3

**CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS:**

More numerical should be solved

**Programme Outcome Attainment:**

**PO Attainment = (weighted average value of PO x A1) /3**

Course Code	A1	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
C402	3	2.6	2.6	2	3	2	2	'-'	'-'	'-'	'-'	'-'	3
<b>Attainment</b>		2.6	2.6	2	3	2	2	'-'	'-'	'-'	'-'	'-'	3

**Programme Specific Outcome Attainment:**

Course Code	A1	PSO 1	PSO2	PSO3
C402	3	2.5	2	2.2
<b>Attainment</b>		2.5	2	2.2





## Chhatrapati Shivaji Institute of Technology

Balod Road, Shivaji Nagar, Durg, Chhattisgarh 491001

Department of Electrical and Electronics Engineering

COURSE ASSESSMENT SHEET FOR 2022 - 23

PROGRAM: Electrical and Electronics	DEGREE: UG (B.Tech.)	
LAB NAME : <b>High Voltage Engg. Lab</b>	SEMESTER: : 7th	CREDITS: 1
CODE: D025722(025)	CONTACT HOURS: 2	

On successful completion of the lab the students should be able to

Course	COURSE OUTCOMES	
407-High Voltage Engg. Lab	C407.1	<b>analyze</b> and <b>design</b> various applications of high voltage Testing equipments. (level4)
	C407.2	<b>classify</b> in the specific area of high voltage.(level3)
	C407.3	<b>illustrate</b> laboratory data and experimental results of high voltage.(level2)
	C407.4	work in teams to conduct experiments, <b>analyze</b> results, and develop technically sound reports of outcomes.(level4)
	C407.5	<b>perform</b> different operations in high voltage and <b>investigate</b> the outcomes.(level3)

### CO-PO Mapping

Course	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
	CO	1	2	3	4	5	6	7	8	9	10	11	12
407-High Voltage Engg. Lab	C407.1	‘-’	3	2	‘-’	‘-’	‘-’	‘-’	‘-’	2	‘-’	‘-’	‘-’
	C407.2	3	‘-’	1	‘-’	‘-’	‘-’	‘-’	‘-’	2	‘-’	‘-’	‘-’
	C407.3	‘-’	‘-’	2	2	‘-’	‘-’	‘-’	‘-’	2	‘-’	‘-’	‘-’
	C407.4	‘-’	3	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	2	‘-’	‘-’	‘-’
	C407.5	‘-’	‘-’	‘-’	2	3	‘-’	‘-’	‘-’	2	‘-’	‘-’	3
	C407	3	3	1.67	2	3	‘-’	‘-’	‘-’	2	‘-’	‘-’	3

## CO-PSO Mapping

Course	PSO			
	CO	PSO1	PSO2	PSO3
407-High Voltage Engg. Lab	C407.1	2	‘-’	2
	C407.2	‘-’	‘-’	‘-’
	C407.3	2	‘-’	2
	C407.4	2	‘-’	2
	C407.5	2	‘-’	2
	C407	2	‘-’	2

### Course Outcome Assessment

Direct method is the average academic performance all students in the specified course.

Aspect	Threshold X	Weightage	All students average performance	Overall course direct assessment
Teacher Assessment	70%	20	A	0.2*A+ 0.8*B+ = A1
End Semester Exam	60%	80	B	

### Course Outcome Attainment

Assessment Methods	Attainment Levels	
	Teacher Assessment (TA)	Level 1
Level 2		70% of students scoring more than X% marks in TA
Level 3		80% of students scoring more than X% marks in TA
End Semester Exam(ESE) Assessment	Level 1	60% of students scoring more than X% marks in ESE
	Level 2	70% of students scoring more than X% marks in ESE
	Level 3	80% of students scoring more than X% marks in ESE



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## Students performance

S.No.	Roll No.	Name Of Students	% MARKS OBTAINED	
			TA	ESE
1	300302519001	AJEET VERMA	100	95
2	300302519002	CHANDRIKA	95	98
3	300302519003	DEEPIKA	100	95
4	300302519005	DHARMENDRA KUMAR	90	93
5	300302519007	JAI DESHMUKH	90	90
6	300302519010	MAITREE	100	95
7	300302519011	MANEESH KEWAT	95	90
8	300302519015	SAGAR JAISWAL	95	90
9	300302519016	SHUBHAM SINGH	85	Abs
10	300302519017	SURYAKANT TAMRAKAR	80	90
11	300302519018	VINAY KUMAR	80	93
12	300302520300	P.YAMINI [T.C COURSE]	80	90

	TA	ESE
Total Number of Students	12	12
Number of students Scoring above threshold(X)	12	11
Percentage	100	92
Attainment Level	3	3
Weightage	20	80
<b>Overall Attainment</b>	<b>3</b>	

CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS:

### Programme Outcome Attainment:

PO Attainment = (weighted average value of PO x A1) /3

Course Code	A1	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
C407	3	3	3	1.67	2	3	‘-’	‘-’	‘-’	2	‘-’	‘-’	3
<b>Attainment</b>		3	3	1.67	2	3	‘-’	‘-’	‘-’	2	‘-’	‘-’	3



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## Programme Specific Outcome Attainment:

Course Code	A1	PSO 1	PSO2	PSO3
C407	3	2	'-'	2
Attainment		2	'-'	2



## Chhatrapati Shivaji Institute of Technology

Balod Road, Shivaji Nagar, Durg, Chhattisgarh 491001

### Department of Electrical and Electronics Engineering

#### COURSE ASSESSMENT SHEET FOR 2022-23

<b>PROGRAM:</b> Electrical and Electronics Engineering	<b>DEGREE:</b> B.Tech
<b>LAB NAME :</b> Project phase I	<b>SEMESTER:</b> 7 <b>CREDITS:</b> 3
<b>CODE:</b> D025723(025)	<b>CONTACT HOURS:</b> 6

On successful completion of the course the students should be able to

Course	COURSE OUTCOMES	
<b>C 408 Project ( Phase I )</b>	C408.1	<b>Recognise</b> the need and <b>identify</b> the problem related to industry and society through literature and environment focusing on practical conditions. <b>(Level1 )</b>
	C408.2	<b>Develop</b> and <b>select</b> a solution to identified problem in a cost effective manner. <b>( level 3, 5)</b>
	C408.3	<b>function</b> in a team and <b>adapt</b> as per requirement to achieve desired goal with ethical practices <b>( level 4, 6)</b>
	C408.4	<b>Apply</b> principles to <b>solve</b> problems <b>and interpret</b> the result. <b>(level 3, 5,)</b>
	C408.5	<b>Relate</b> the impact of engineering solutions in society and <b>classify</b> modern tools <b>.( level 2,3)</b>
	C408.6	<b>compile and describe</b> their work through seminars and written methods using effective communication. <b>(level1, 5)</b>

#### CO-PO Mapping

Course	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
	CO	1	2	3	4	5	6	7	8	9	10	11	12
<b>C 408 Project ( Phase I )</b>	C408.1	3	3	3	‘-’	‘-’	2	2	‘-’	‘-’	‘-’	‘-’	2
	C408.2	3	‘-’	3	3	3	3	3	‘-’	‘-’	‘-’	3	2
	C408.3	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	3	3	3	3	2
	C408.4	3	2	2	‘-’	2	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’
	C408.5	‘-’	‘-’	‘-’	‘-’	2	3	3	2	‘-’	‘-’	‘-’	2
	C408.6	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	‘-’	3	3	3	‘-’
	<b>C408</b>	<b>3</b>	<b>2.5</b>	<b>2.667</b>	<b>3</b>	<b>2.34</b>	<b>2.667</b>	<b>2.667</b>	<b>2.5</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>

## CO-PSO Mapping

Course	PSO		PSO1	PSO2	PSO3
	CO				
<b>C 408 Project ( Phase I )</b>	C408.1		3	3	‘-’
	C408.2		3	3	‘-’
	C408.3		‘-’	‘-’	‘-’
	C408.4		3	3	3
	C408.5		‘-’	‘-’	‘-’
	C408.6		‘-’	‘-’	3
	<b>C408</b>		<b>3</b>	<b>3</b>	<b>3</b>

### Course Outcome Assessment

Direct method is the average academic performance all students in the specified course.

Aspect	Threshold X	Weightage	All students average performance	Overall course direct assessment
Teacher Assessment	75%	20	A	0.2*A+ 0.8*B+ = A1
End Semester Exam	75%	80	B	

### Course Outcome Attainment

Assessment Methods	Attainment Levels	
	Level	Description
<b>Teacher Assessment (TA)</b>	<b>Level 1</b>	60% of students scoring more than X% marks in TA
	<b>Level 2</b>	70% of students scoring more than X% marks in TA
	<b>Level 3</b>	80% of students scoring more than X% marks in TA
<b>End Semester Exam(ESE) Assessment</b>	<b>Level 1</b>	60% of students scoring more than X% marks in ESE
	<b>Level 2</b>	70% of students scoring more than X% marks in ESE
	<b>Level 3</b>	80% of students scoring more than X% marks in ESE

## Students performance

S.No.	Roll No.	Name Of Students	SECURED MARKS %	
			TA	ESE
1	300302519001	AJEET VERMA	98	97
2	300302519002	CHANDRIKA	95	95
3	300302519003	DEEPIKA	98	97
4	300302519005	DHARMENDRA KUMAR	93	95
5	300302519007	JAI DESHMUKH	95	95
6	300302519010	MAITREE	98	95
7	300302519011	MANEESH KEWAT	95	94
8	300302519015	SAGAR JAISWAL	95	94
9	300302519016	SHUBHAM SINGH	88	Abs
10	300302519017	SURYAKANT TAMRAKAR	95	94
11	300302519018	VINAY KUMAR	95	95
12	300302520300	P.YAMINI [T.C COURSE]	93	94

	TA	ESE
Total Number of Students	12	12
Number of students Scoring above threshold(X)	12	11
Percentage	100	92
Attainment Level	3	3
Weightage	20	80
<b>Overall Attainment</b>	<b>3</b>	

CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS:

New projects to be developed.

**Programme Outcome Attainment:**

$$\text{PO Attainment} = (\text{weighted average value of PO} \times \text{A1}) / 3$$


Course Code	A1	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
C408	3	3	2.5	2.667	3	2.34	2.667	2.667	2.5	3	3	3	2
<b>Attainment</b>	<b>3</b>	<b>2.5</b>	<b>2.667</b>	<b>3</b>	<b>2.34</b>	<b>2.667</b>	<b>2.667</b>	<b>2.5</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>

**Programme Specific Outcome Attainment:**

Course Code	A1	PSO 1	PSO2	PSO3
C408	3	3	3	3
<b>Attainment</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>



## Sample of PO attainment of Courses



Chhatrapati Shivaji Institute of Technology  
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Department of Civil Engineering  
PO ATTAINMENT 2022-23

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C201	0.96	1.49	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
C202	1.49	1.17	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
C203	1.6	1.6	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
C204	1.4	1.3	1.1	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1
C205	1.6	1.28	1.06	0.53	1.49	1.17	1.06	1.06	1.06	1.06	0.53	1.28
C206	2.4	2	2.2	1	1	1	1	1	1	1	1	1
C207	1.8	2	2.5	2	2	2	2	2	2	2.5	2	2
C208	3	3	0.8	2	3	1.4	2	1	1	1	1	2.2
C209	3	2	3	2	3	2.4	1	1	1	1	1	2.2
C211	1.49	1.6	1.49	1.06	0.8	0.53	1.06	1.06	1.06	1.06	1.06	1.43
C212	1.6	1.6	0.74	0.42	0.21	0.42	0.42	1.06	1.06	1.06	1.06	0.74
C213	1.99	1.99	1.53	1.2	1.53	1.53	1.06	1.06	1.06	1.06	1.06	1.2
C214	1.17	1.33	1.41	0.8	1.41	1.6	1.33	1.06	1.06	1.06	0.93	1.06
C215	1.9	2.3	2.3	2.03	1.53	1.53	1.53	1.06	1.06	1.06	1.06	1.84
C216	2.6	2.2	2	1.8	1.2	1.2	1.2	1.06	1.06	1.06	1.2	1.8
C217	2.5	2.75	2.25	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.75	1.06
C218	2.5	3	3	2.66	1.06	2	2	1.06	1.06	1.06	1.06	2.4
C219	2.6	2	2.67	2	3	2	2	1.06	3	1.06	1.06	2.33
C301	1.5	1.06	1.06	0.85	1.06	0.21	1.06	1.06	0.211	1.06	0.74	1.06
C302	3	2.8	2.8	2.4	2	1.3	1.5	1.06	1.06	1.06	1	1.06
C303	1.5	1.4	1.5	1.2	1.4	1.1	0.9	1.1	1.6	1.1	1.6	1.2
C304	2.8	2.3	3	2.2	3	2	1.06	1.06	2.4	1.06	2	1.06
C305	1.07	1.53	2.14	1.53	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
C306	2.6	1.8	1.06	1.8	2.25	1.06	1.06	1.06	1.06	1.06	1.4	2
C307	2.2	2	2.5	2	3	1.06	1.06	1.06	1.8	1.06	1	2
C308	3	2.2	2	2.6	2.6	2	2	1.06	2	1.06	1.06	1.06
C311	2.8	2.8	2.2	1.33	1.33	1.06	1	2	1.06	1.06	1.06	1.06
C312	1.99	1.68	1.84	1.22	1.06	1.06	0.92	1.06	1.06	1.06	0.46	1.06
C313	2.8	2.4	3	2	3	1.06	2	1.06	2.66	1.06	2.5	1.06
C314	3	2.4	3	2	2.2	2.5	2	1.6	3	2	2.5	2
C315	3	1.4	1.25	1.2	1.7	1.25	1	1	1.06	1.06	1.3	2.4

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C316	2	3	3	2.2	2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
C317	2.4	2	2.2	2.2	2.2	2.2	1	2.2	2.2	2.2	2.2	2.2	2.2
C318	3	2.4	3	2	2.2	2.5	2	1.66	3	2	2.5	2	2
C319	3	2.4	3	2	2.2	2.5	2	1.66	3	2	2.5	2	2
C401	0.84	0.84	0.9	0.66	2.2	2.2	2.2	2.2	2.2	2.2	0.54	2.2	2.2
C402	3	2.8	2.4	2.4	2.2	2.2	2	2.2	2.2	2.2	1.5	2	2
C403	3	2.8	2.8	2	2.4	2.2	2	1.25	2	2.2	2.75	2	2
C404	2.8	2.4	2.8	2.2	3	1.4	1.5	2.2	2.2	2.2	2	2	2
C405	1.1	0.7	0.6	2.2	2.2	1.1	1.3	0.8	2.2	2.2	0.9	1.2	2.2
C406	2.8	2.6	2.8	2.2	2.6	2.2	1.66	2.2	2.2	2	2	1.8	2.2
C407	2.4	2	2.2	2.2	2.2	2.2	1	2.2	2.2	2.2	2.2	2.2	2.2
C408	3	2.5	2.667	3	2.34	2.667	2.667	2.5	3	3	3	3	2
C411	2.8	2.8	3	2	2.2	2.2	2.2	2.2	2.2	2.2	1.4	2.2	2.2
C412	2.8	2	2.33	2.4	2.2	2.24	2	2.2	1.75	2.2	2.4	2.2	2.2
C413	3	2.2	2.6	2.2	2.8	2.66	2.25	2.5	2.2	2	2	2.4	2.2
C414	3	2.4	3	2.2	2.8	2.4	2.2	2.2	2.4	2.2	2.2	2.2	2.2
C415	2.2	1.4	2.2	2.2	2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
C416	3	2.5	2.667	3	2.34	2.667	2.667	2.5	3	3	3	3	2
Direct Attain	110	97.62	99.02	68.42	65.43	43.60	43.03	16.1	31.82				
Courses	49	49	49	40	32	27	27	10	14	8	29	25	
Average	2.24	1.992	2.020	1.71	2.044	1.615	1.593	1.6	2.272	2.0	1.60	1.77	
	49	24	96	05	69	07	96	13	93	75	69	68	

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Civil Engineering  
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Department of Civil Engineering

PSO Attainment 2022-23


Course	PSO1	PSO2	PSO3
C201	2.6	2.5	2.4
C202	1.28	1.2	1.6
C203	1.4	1.3	1.3
C204	1.4	1.3	1.3
C205	1.6	1.28	1.06
C206	1.8	1.2	1
C207	2	2	2.5
C208	2.6	1.3	2.2
C209	3	2	1.2
C211	0.96	0.96	1.49
C212	1.28	0.96	1.4
C213	1.92	1.53	1.68
C214	1.2	0.88	1.38
C215	3	2.6	2.4
C216	3	2.6	2.4
C217	2	2	2.5
C218	3	2.6	2.4
C219	2.4	2.5	2.2
C301	1.38	0.64	1.17
C302	2.5	2	2.4
C303	1.6	0.97	1.4
C304	2.6	2.8	2.8
C305	0.92	0.76	2.14
C306	2	1.5	2
C307	2.6	2	2
C308	2.8	1.2	3
C311	2.6	2.6	1.8
C312	1.53	1.53	1.99
C313	2.6	2.2	2
C314	3	1.8	2.2
C315	2.4	2	2.5
C316	2	3	1.2



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C317	1.8	1.2	2.2
C318	3	1.8	2.2
C319	3	1.8	2.2
C401	0.72	1.2	0.6
C402	2.4	2.4	2.6
C403	3	2.6	2.8
C404	3	1.2	1
C405	1.2	1.2	0.8
C406	3	2.6	2.8
C407	1.8	1.2	2.2
C408	3	3	3
C411	2.4	1.2	2
C412	2.6	2.6	1.4
C413	2.6	1.8	2.6
C414	3	3	1.2
C415	2	1	1.2
C416	3	3	3
<b>Total</b>	108.49	75.11	90.01
<b>Courses</b>	49	40	44
<b>Average Attainment</b>	2.214081633	1.87775	2.04568182

  
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Civil Engineering  
CSIT, Durg



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Department of Mechanical Engineering  
PO ATTAINMENT 2022-23

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C201	0.96	1.49	1.07	1.07	1.07							
C202	2.80	2.00	2.40	1.60	1.00							
C203	1.79	1.53	1.92			0.77						
C204	1.80	2.80	2.00	2.00	2.00							
C205	0.96	1.49	1.07	1.07	1.07						1.00	
C206	1.00		2.00		2.00							
C207	2.60	3.00	2.40		3.00				3.00	3.00		1.40
C208	3.00	3.00	2.00	2.20	2.00	1.00				2.00		2.00
C209	3.00	2.00	3.00		3.00	1.00			2.00	2.00		
C211	1.33	1.83	2.05	0.00	0.33	0.33						
C212	2.83	2.67	3.00		2.00							
C213	1.60	1.60	1.87									
C214	2.00	1.60	2.50	1.00	1.00							
C215	1.42	1.42	1.33									
C216	2.60	2.00	2.40	2.00	2.00				1.00	2.00		1.50
C217	2.00	2.00			3.00							2.00
C218	2.20	2.50	2.50		3.00				2.50	1.50		2.00
C219	3.00	3.00	2.00	3.00	3.00		2.00					2.40
C301	2.24	2.24	2.00		0.93		0.93					
C302	3.00	2.80	1.75									
C303	2.57	1.87	2.24		1.56							
C304	2.80	2.80	1.47									
C305	1.17	1.31	1.40	1.21							3.00	3.00
C306	2.60	3.00			2.00	2.00	3.00					2.00
C307	2.20	2.50			3.00		2.00				2.00	
C308	1.00	2.00	2.60				3.00					2.00
C311	1.90	1.27	1.90	0.63								
C312	1.40	1.40	0.93	1.31	1.03	1.32	0.47	0.60	0.60	0.67	1.20	1.80
C313	1.96	1.68	1.68	0.70								
C314	2.08	2.60	1.73				2.60					
C315	1.21	0.93	0.93	0.93	0.93				0.93	0.93	2.60	0.93
C316	2.20		3.00		2.60		2.00					



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C317	2.80	2.00	2.00		2.60		2.00		2.30	2.30		2.00
C318	2.60	2.25	2.25		2.00	2.00	2.00				2.00	2.00
C319	2.40	2.00	3.00	2.00			2.00		1.60			
C401	2.25	2.50	2.50		2.40	2.00						
C402	2.40	2.50	2.50			2.00						
C403	2.25	2.50	2.50		2.40	2.00						
C404	2.80	2.40	2.00	2.00								
C405	2.40	2.50	2.50		2.40	2.00						2.00
C406	2.80	2.00	3.00	2.33		2.00	3.00					
C407	2.60		1.00		2.20				2.50	2.50		2.00
C408	2.40	2.20	2.40	2.20	2.20	1.20	1.00	1.40	2.20	2.60	2.00	3.00
C409	2.40	2.75	2.65	2.75	2.75	1.80	1.50	1.80	2.75	2.40	2.75	3.00
C411	2.67	3.00	2.50	2.20	2.00	1.00	1.00					
C412	2.67	2.00	2.00		1.00							
C413	1.84	1.73	1.92									
C414	2.20	2.66	2.66	3.00	3.00				2.50	2.50		1.40
C415	2.80	2.60	2.20	2.60	2.40	1.40	1.40	1.60	1.40	2.20	1.40	3.00
C416	2.80	2.60	2.20	2.60	2.40	1.40	1.20	2.00	2.00	2.20	1.80	3.00
rect taint	110.3 0	102.5 2	98.9 2	40.4 0	71.2 7	25.2 2	31.1 0	7.40	27.2 8	28.80	19.75	42.43
ourses	50.00	47.00	47.0 0	23.0 0	35.0 0	17.0 0	17.0 0	5.00	14.0 0	14.00	10.00	20.00
verage	2.21	2.18	2.10	1.76	2.04	1.48	1.83	1.48	1.95	2.06	1.98	2.12

Head of the Department  
Mechanical Engineering  
C S I T, Durg



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Department of Mechanical Engineering


PSO Attainment	2022-23	
	PSO1	PSO2
Course		
C201	0.96	0.96
C202	2.20	2.00
C203	1.79	1.53
C204	1.80	1.80
C205	0.96	0.96
C206	1.00	2.00
C207	2.00	2.00
C208	2.50	2.00
C209	1.90	
C211	1.24	1.33
C212	2.83	2.00
C213	1.60	1.50
C214	2.00	2.00
C215	1.42	1.60
C216	2.00	1.60
C217	1.00	
C218	2.00	1.60
C219	1.60	
C301	1.87	1.87
C302	2.80	2.25
C303	2.57	2.80
C304	2.80	1.87
C305	1.12	1.40
C306	2.40	1.40
C307	2.20	1.50
C308	1.80	2.00
C311	1.27	1.27
C312	0.82	0.84
C313	1.82	1.40
C314	2.08	1.73
C315	1.21	0.93
C316	1.00	1.00
C317	1.40	
C318	2.20	1.75




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C319	2.00	
C401	2.25	2.40
C402	2.40	2.00
C403	2.25	2.40
C404	2.20	2.00
C405	2.00	2.25
C406		1.00
C407	1.80	
C408	1.80	
C409	2.40	
C411	2.16	
C412	2.33	3.00
C413	1.84	1.53
C414	3.00	1.00
C415	1.80	
C416	2.80	
<b>Total</b>	<b>93.19</b>	<b>65.51</b>
<b>Courses</b>	<b>46.00</b>	<b>35.00</b>
<b>Average Attainment</b>	<b>2.03</b>	<b>1.87</b>

  
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Mechanical Engineering  
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## PO Attainment for an academic year

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PO Attainment of all programme  
2022-23

BRA NCH	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
AIDS	1.99 2963	2.00 9615	2.11 2	1.87 6957	1.92 1304	2.02 6	1.82 875	2.08	2.04 1176	1.66 4667	1.82 4667	1.96 3462
CSE	2.22 84	2.09 5957	2.26 7872	2.07 2368	2.07 4444	2.12	2.14	2.3	2.14 76	2.37 6364	2.11 5882	2.15 9643
CIVIL	2.24 4898	1.99 2245	2.02 0959	1.71 05	2.04 4688	1.61 5074	1.59 3963	1.61 3	2.27 2929	2.07 5	1.60 6897	1.77 68
EEE	2.59 2.10	4082 1.76	049 1.86	9091 2.02	5526 1.80	4933 1.76	2333 1.68	2.3 2.07	5 1.59	2 1.56	2.5 1.56	6667 1.62
IT	6531	6939	3469	6667	5532	4651	122	9091	0323	8276	4783	05
MEC	2.20 6	2.18 1277	2.10 4681	1.75 6522	2.03 6286	1.48 3529	1.82 9412	1.48	1.94 8571	2.05 7143	1.97 5	2.12 15
MEX	2.53	2.38	2.42	2.32	2.45	2.22	2.16	2.03	2.12	2.29	2.77	2.88

PO Attainment 2022-23

■ AIDS ■ CSE ■ CIVIL ■ EEE ■ IT ■ MECH ■ MEX

*Seen*  
*S.K.P.*  
*21/11/23*  
Coordinator, IQAC



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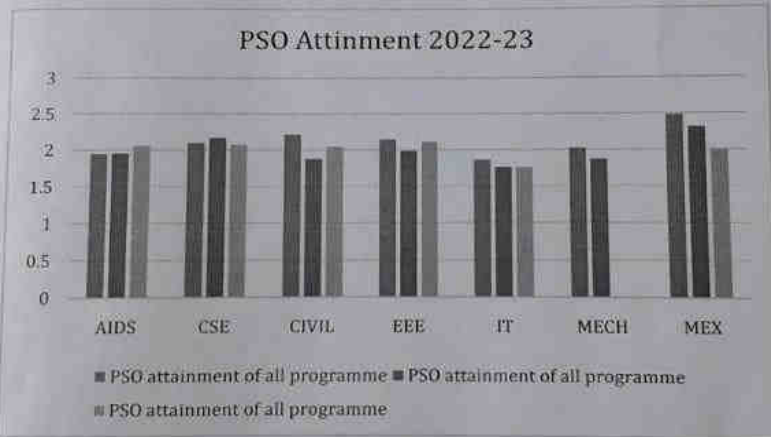
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### PSO attainment of all programme 2022-23

Branch	PSO1	PSO2	PSO3
AIDS	1.948889	1.954074	2.058292
CSE	2.0972	2.168444	2.072128
CIVIL	2.214082	1.87775	2.045682
EEE	2.14363	1.986571	2.113333
IT	1.862083	1.756875	1.757188
MECH	2.02587	1.871714	
MEX	2.48	2.31	2

PSO Attinment 2022-23



*Seen*  
*S. Santosh*  
 21/11/23  
 Coordinator, B.A.M.C.