



# KSHATRIYA COLLEGE OF ENGINEERING

(Affiliated to JNTU Hyderabad & Approved by AICTE)



*Principal*  
Kshatriya College of Engg.  
CHEPUR-ARMOOR - 503 224  
Dist: Nizamabad



# KSHATRIYA COLLEGE OF ENGINEERING

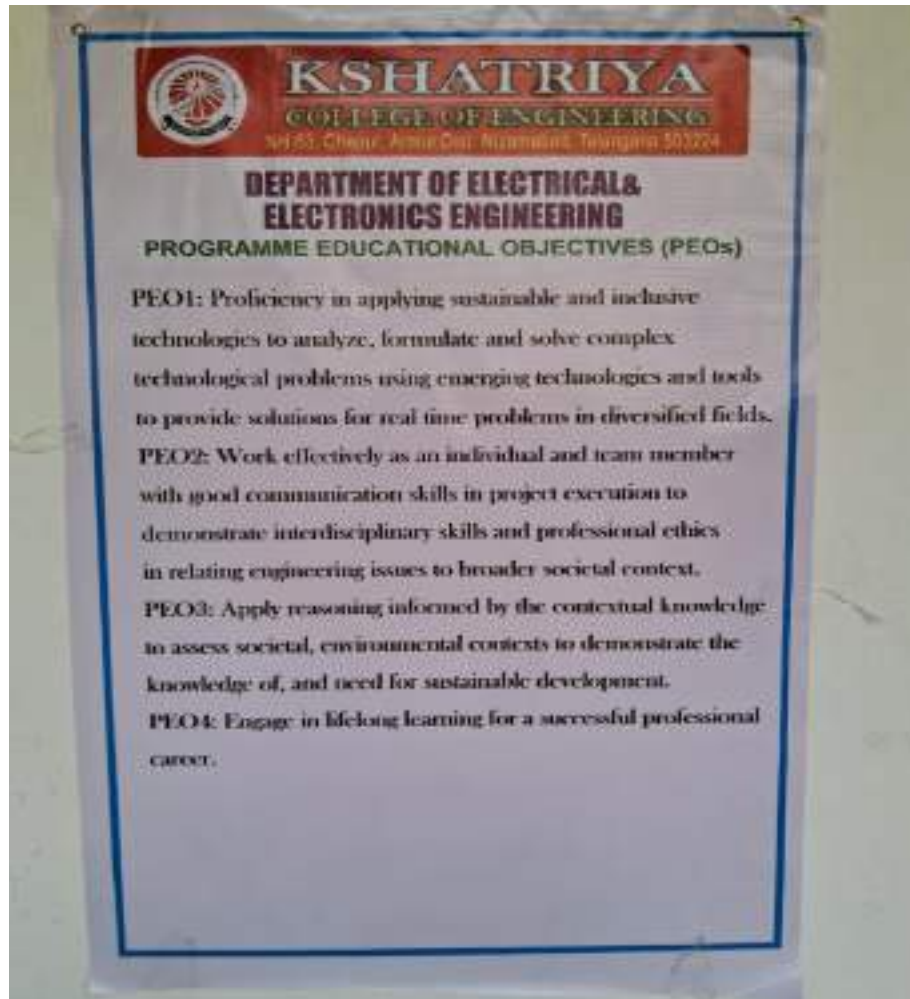
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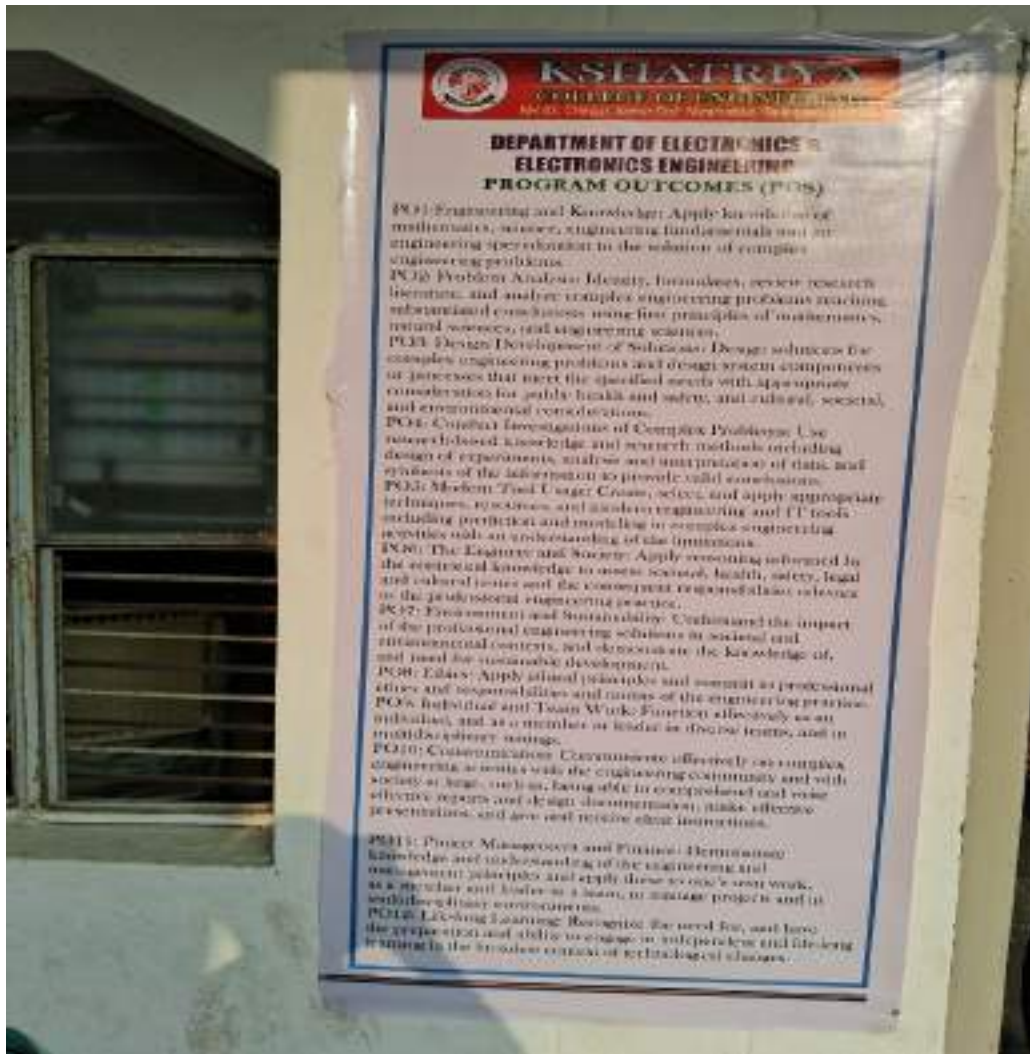


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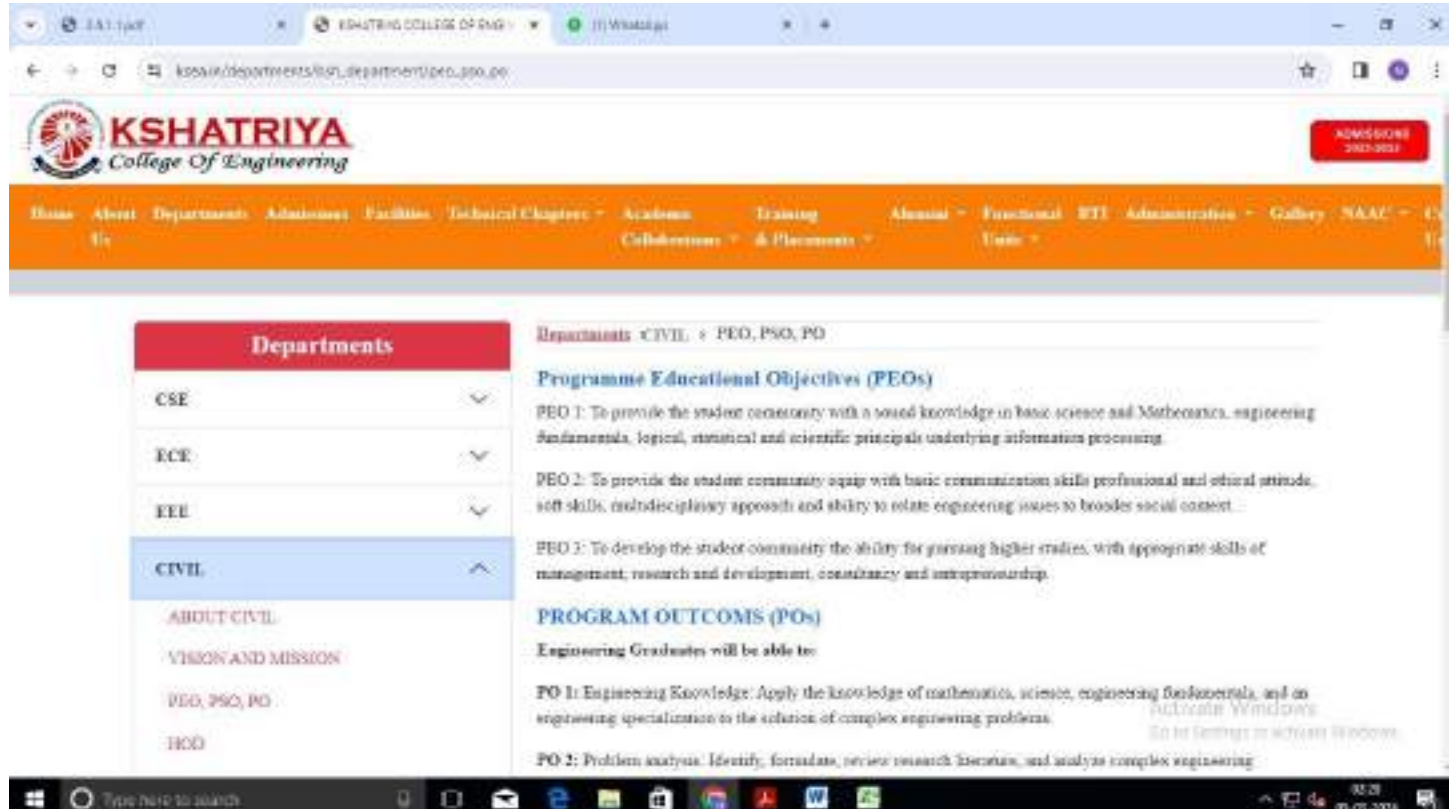
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Samples of program outcomes and courses of all departments displayed in college website:



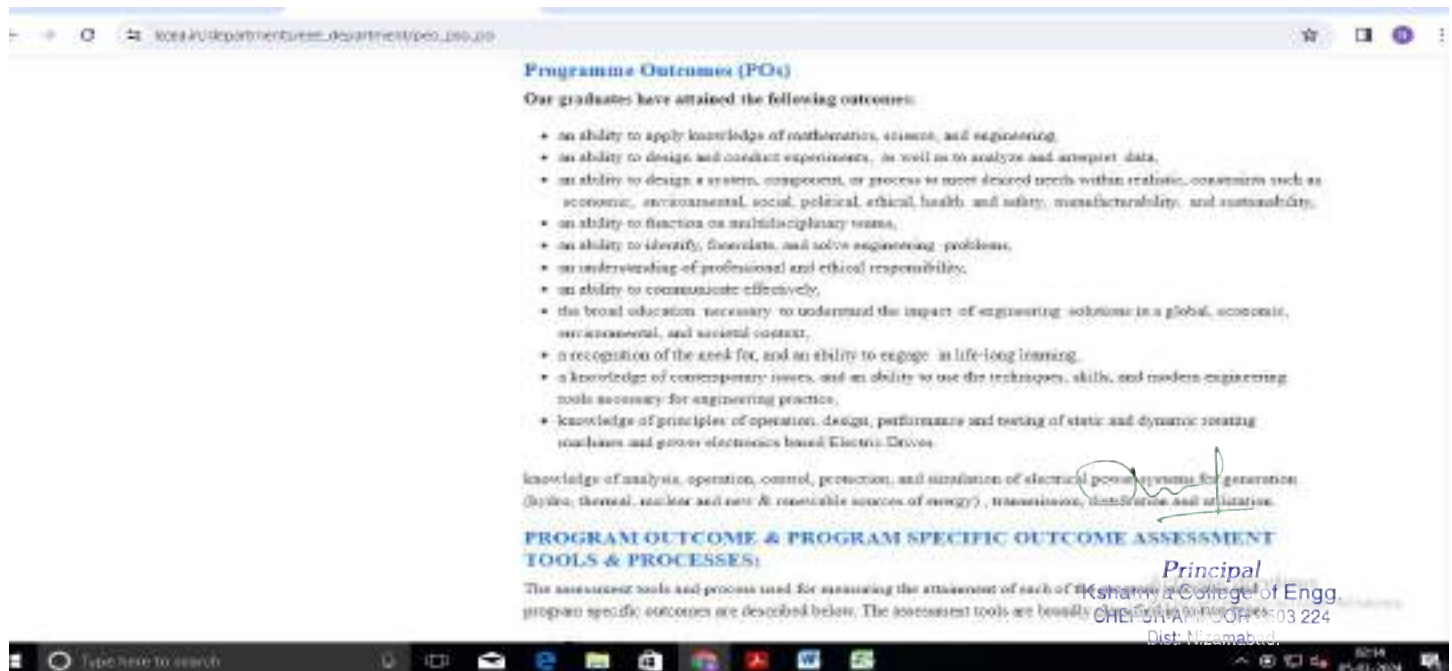
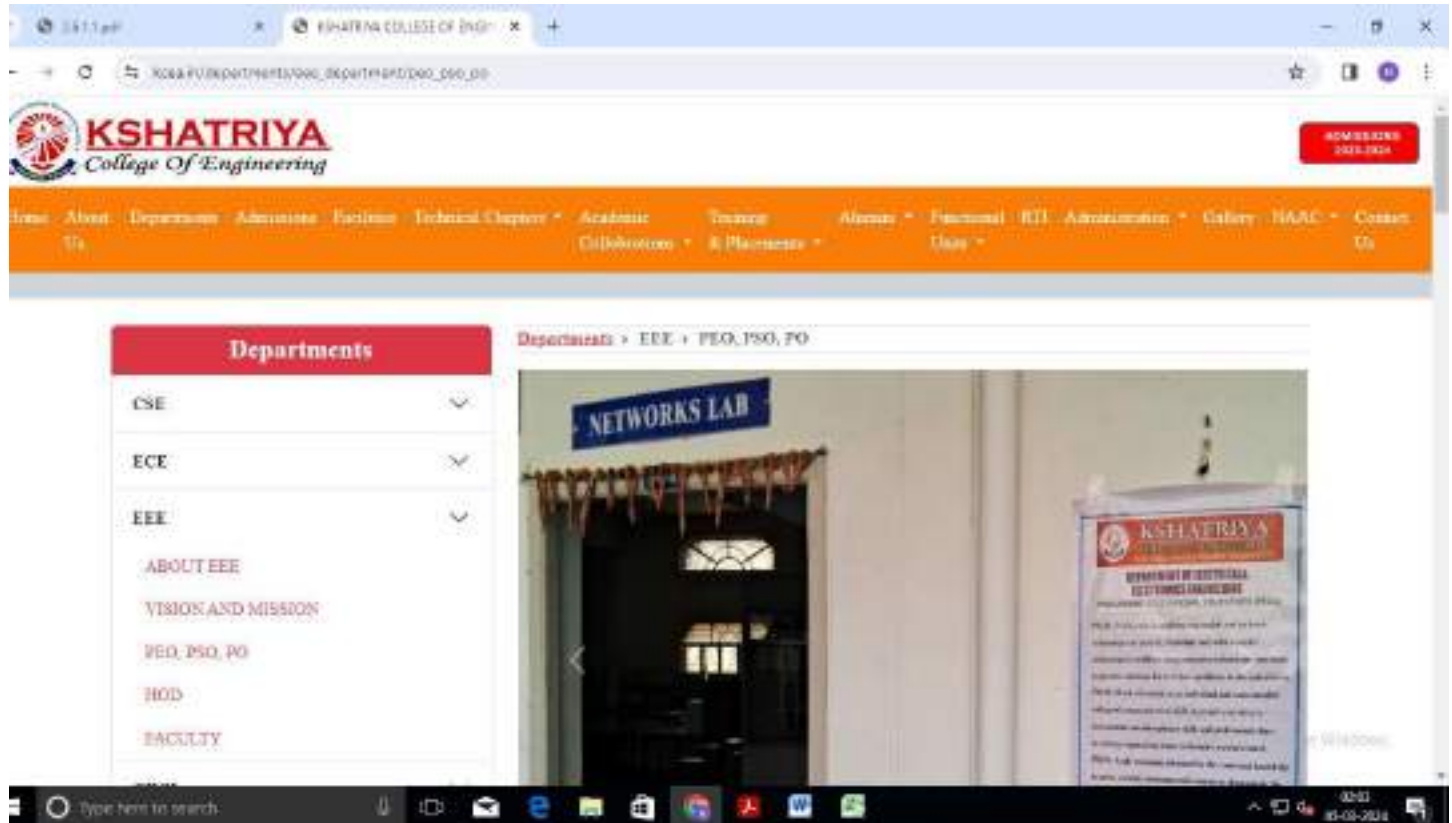
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The screenshot shows the website for the Mechanical Engineering (MECH) department. The page includes a navigation menu with options like Home, About, Departments, Admissions, Facilities, Technical Chapters, Academic, Training, Alumni, Financial, IT, Administration, Gallery, NAAC, and Contact Us. The main content area is titled 'Departments' and lists various departments: CSE, ECE, EEE, CIVIL, MECH, About MECH, VISION AND MISSION, and PED: PSO, PO. The MECH department is selected, showing its 'PROGRAM OUTCOMES (POs)'. The outcomes are listed as follows:

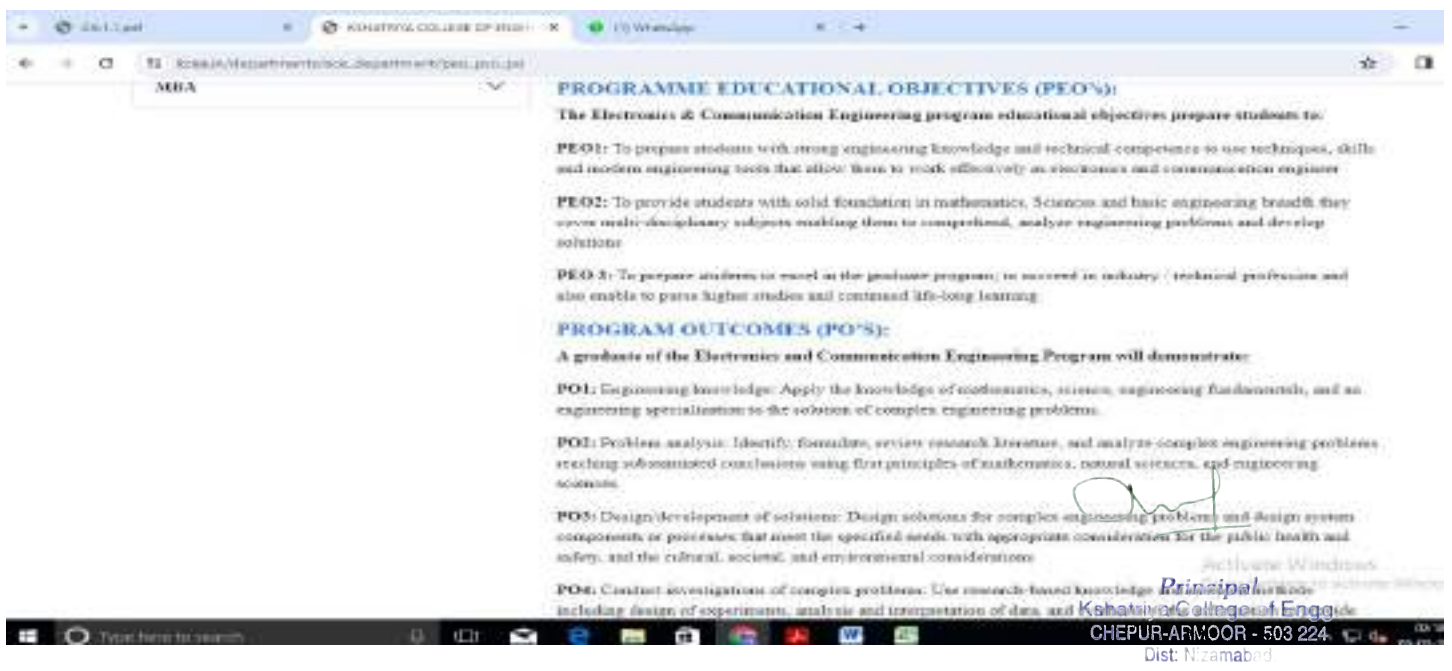
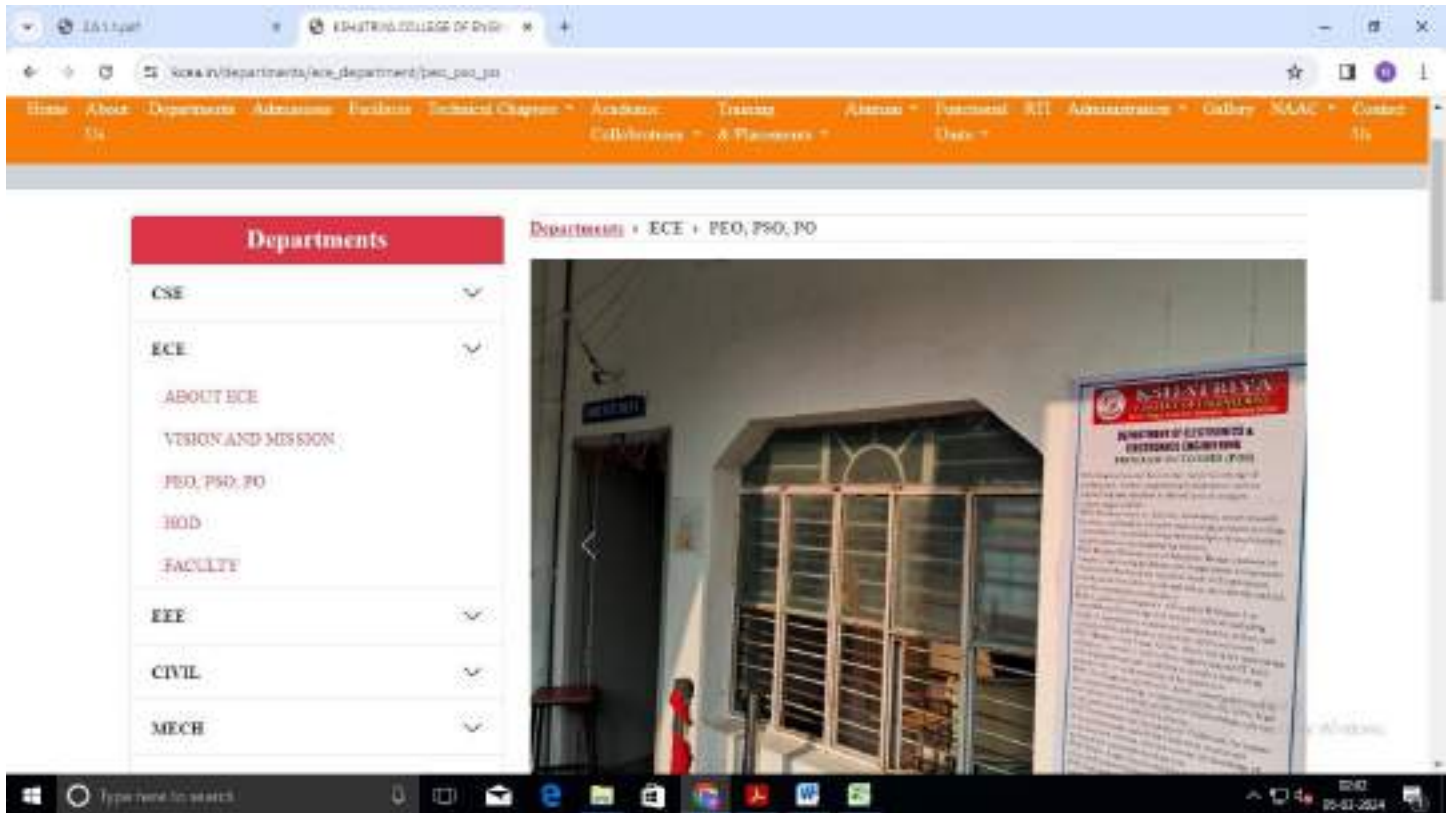
- 1. **ENGINEERING KNOWLEDGE:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. **PROBLEM ANALYSIS:** Identify, formulate, research literature, and analyze complex engineering problems involving substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. **DESIGN/DEVELOPMENT OF SOLUTIONS:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. **CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. **MODERN TOOL USAGE:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. **THE ENGINEER AND SOCIETY:** Apply reasoning informed by the contextual knowledge to assess

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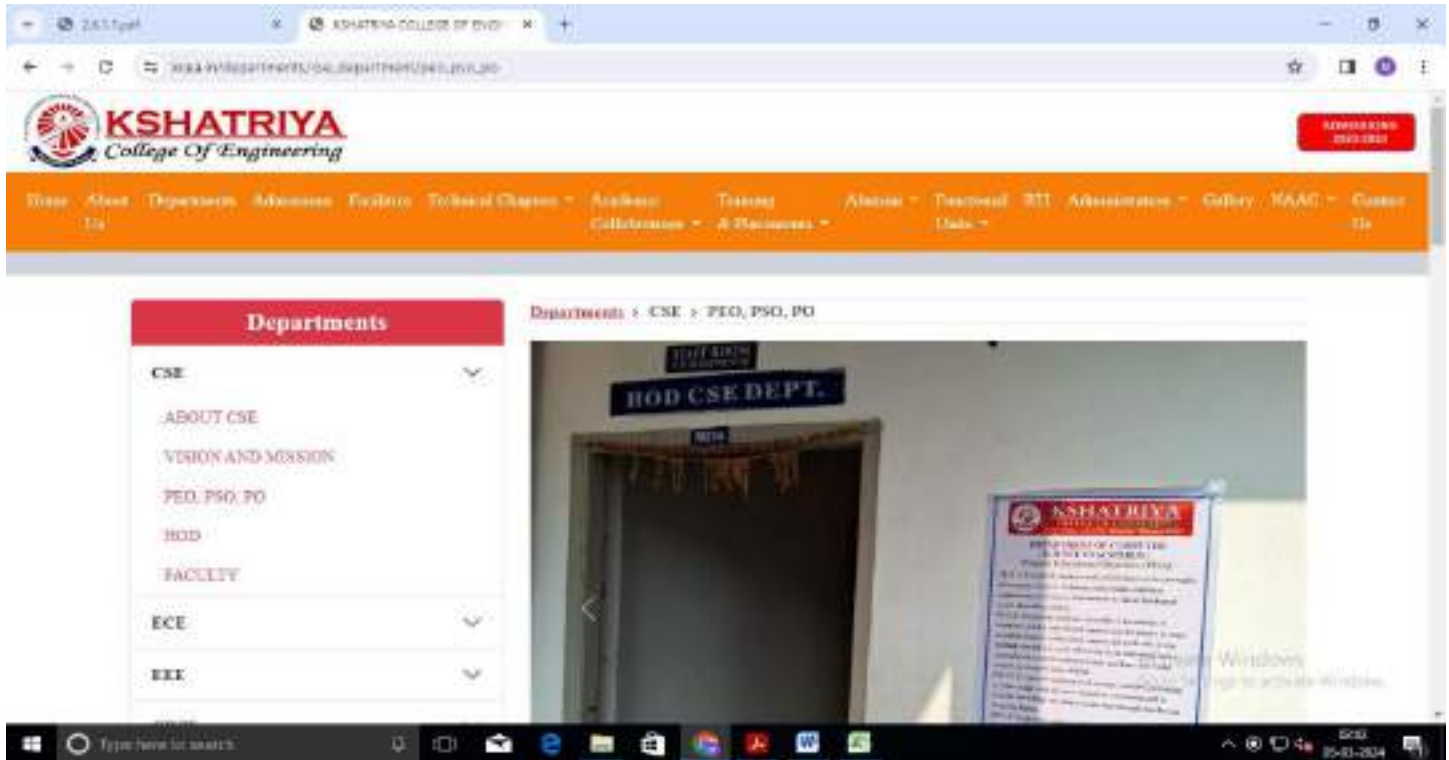
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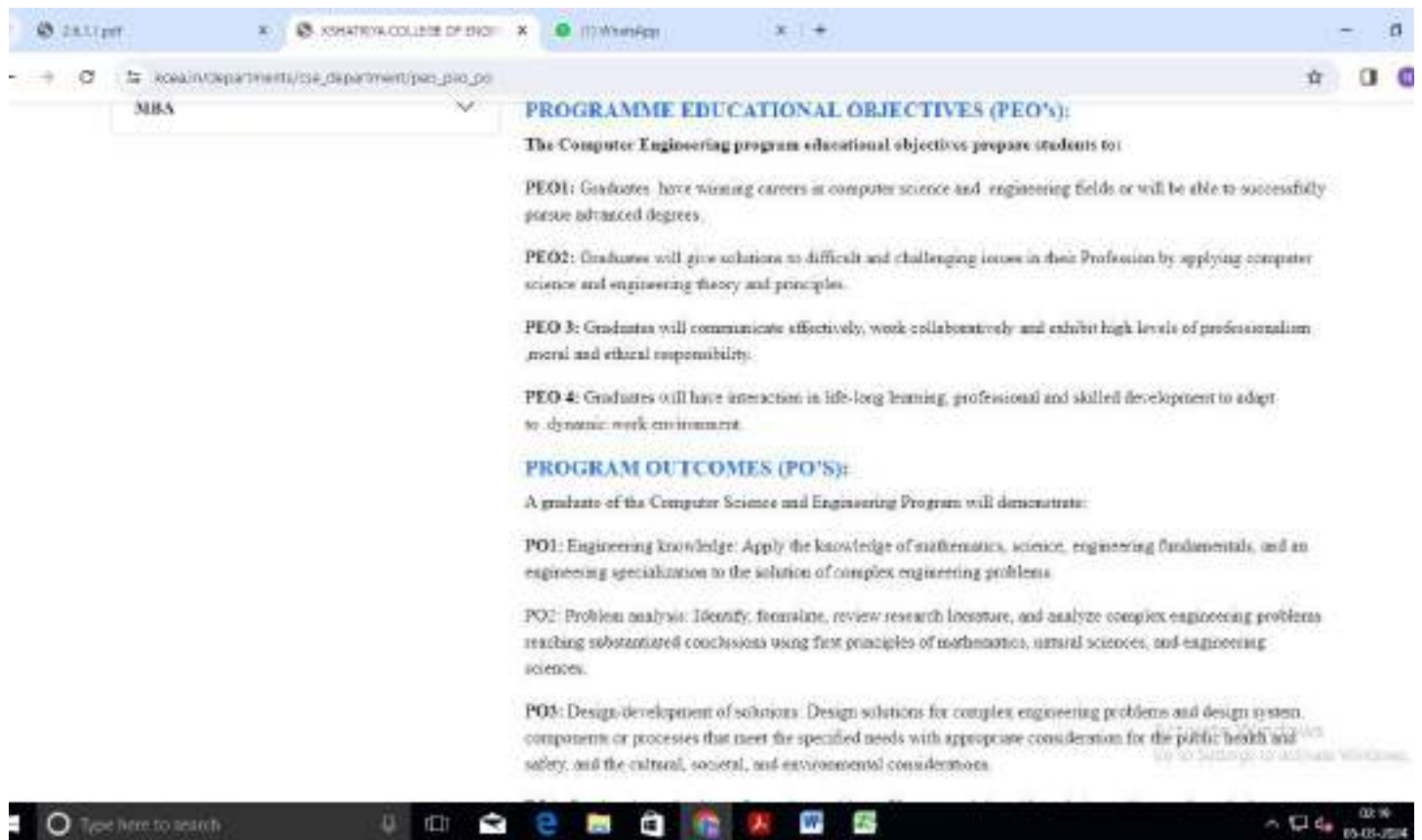


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# KSHATRIYA COLLEGE OF ENGINEERING

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The screenshot shows the website for the BS & H department. The header includes the college logo and name, along with an 'ADMISSIONS 2023-2024' button. A navigation menu lists various sections like Home, About, Departments, Admissions, Facilities, Technical Chapters, Academic, Training, Alumni, Functional, IIT, Administration, Gallery, NAAC, and Contact Us. The main content area features a 'Departments' sidebar with a dropdown menu where 'BS & H' is selected. The main text area is titled 'Departments > BSH > PEO, PSO, PO' and contains the following information:

**Programme Educational Objectives (PEOs)**

PEO 1: To provide the student community with a sound knowledge in basic science and Mathematics, engineering fundamentals, logical, statistical and scientific principals underlying information processing.

PEO 2: To provide the student community equip with basic communication skills professional and ethical attitude, soft skills, multidisciplinary approach and ability to relate engineering issues to broader social context.

PEO 3: To develop the student community the ability for pursuing higher studies, with appropriate skills of management, research and development, consultancy and entrepreneurship.

**PROGRAM OUTCOMES (POs)**

Engineering Graduates will be able to:

PO 1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering

The screenshot shows the website for the MBA department. The header and navigation menu are identical to the previous screenshot. The main content area features a 'Departments' sidebar with a dropdown menu where 'MBA' is selected. The main text area is titled 'Departments > MBA > PEO, PSO, PO' and contains the following information:

**MBA Department PEO'S & PO'S PROGRAM EDUCATIONAL OBJECTIVES (PEOS):** To become a top institute, as per our vision, we need to nurture good quality students who can meet the professional and personal challenges in an organization where ever they were employed especially highly competitive environment so as to enable them as holistic professional. The graduates are to be equipped with contemporary management knowledge, skills and technologies to make them as leaders for the corporate sector. These PEO are well structured with the institute's vision and mission.

**PROGRAM EDUCATION OBJECTIVES:**

- 1. Make students to apply techniques of business analysis, data management and problem solving skills in order to support business managers decision-making in the field of relevance.
- 2. Inculcate leadership skills needed for implementing and coordinating organizational activities and managing change to explore business problems in depth for developing their functional knowledge to think strategically and to lead, motivate and manage teams across borders.
- 3. Nurture with abilities to integrate business knowledge and management techniques with emerging and societal as a changing environment and to enhance better career paths. These POs are well structured with the institute's vision and mission.

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KSHATRIYA COLLEGE OF ENGINEERING							
Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Name of the Faculty:		U. ALEKYA		Academic Year:		2022-23	
Branch & Section:		ECE		Exam:		MID - I	
Course/Sub:		B.TECH-CO&OS		Year/Semester:		III-I	
SLNo	Roll Number	Question No.				Objective	Assignment
		1	2	3	4		
Maximum Marks		5	5	5	5	10	5
1	18B41A0406					0	5
3	18B41A0407			2		4	5
3	19B41A0401	4			4	7	5
4	19B41A0402		1			2	5
5	19B41A0403	5			4	6	5
6	19B41A0404						0
7	19B41A0405	3			3	6	5
8	19B41A0406		3		3	5	5
9	19B41A0407			4	5	5	5
10	19B41A0408		4	5		5	5
11	19B41A0409	3			3	6	5
12	19B41A0410			3	3	3	5
13	19B41A0411						5
14	20B45A0401	4	5			6	5
15	20B45A0402		5		4	7	5
16	20B45A0403		4	3		7	5
17	20B45A0404		5	4		7	5
18	20B45A0405	5			5	6	5
19	20B45A0406		5		4	5	5
20	20B45A0407		3	3		3	5
21	20B45A0408	3			2	4	5
22	20B45A0409		2		3	3	5
23	20B45A0410	4	3			5	5
24	20B45A0411	3			3	4	5
25	20B45A0412						5
26	20B45A0413		4	5			5

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27	20B45A0414	4			3	7	5
No. of students attempted		10	7	6	8	15	17
Max Marks Question wise		5	5	5	5	10	5
Threshold 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above threshold		10	10	7	13	16	26
% of Students > Target Score		100	142.86	116.67	162.5	106.67	152.95
Attainment Level		3	3	3	3	3	3

Attainment Level	1:	40% students score more than threshold
Attainment Level	2:	50% students score more than threshold
Attainment Level	3:	60% students score more than threshold

### Course Outcome Mapping with each Question

CO's	Question No				Objective	Assignment
	1	2	3	4		
Course outcome - 1	y				y	y
Course outcome - 2		y	y		y	y
Course outcome - 3				y	y	y
Course outcome - 4						
Course outcome - 5						

### Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question

CO's	Question No				Objective	Assignment
	1	2	3	4		
Course outcome - 1	3				3	3
Course outcome - 2		3	3		3	3

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Course outcome - 3				3	3	3
Course outcome - 4						
Course outcome - 5						

**Course Outcome Attainment based on Exam Questions in terms of percentage  
of total students when mapped to each question**

CO's	Subjective	Objective	Assignment	Attainment Level		
Course outcome - 1	3.00	3.00	3.00	3.00		
Course outcome - 2	3.00	3.00	3.00	3.00		
Course outcome - 3	3.00	3.00	3.00	3.00		
Course outcome - 4						
Course outcome - 5						

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## KSHATRIYA COLLEGE OF ENGINEERING

Department: ELECTRONICS AND COMMUNICATION ENGINEERING

### Course Outcome Attainment - Internal Assessments

Name of the Faculty:		U. ALEKYA		Academic Year:		2022-23	
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		B.TECH-FIOT		Year/Semester:		III-I	
Sl.No	Roll Number	Question No.				Objective	Assignment
		1	2	3	4		
Maximum Marks		5	5	5	5	10	5
1	18B41A0406						5
2	18B41A0407		3		3	5	5
3	19B41A0401		5	5		9	5
4	19B41A0402	5		4		9	5
5	19B41A0403		5		5	9	5
6	19B41A0405		5	5		8	5
7	19B41A0406	5	5			7	5
8	19B41A0407	4			5	9	5
9	19B41A0408		4		5	10	5
10	19B41A0409		5	5		9	5
11	19B41A0410	5	4			9	5
12	19B41A0411						5
13	20B45A0401	4	5			9	5
14	20B45A0402		5	5		9	5
15	20B45A0403			5	4	7	5
16	20B45A0404			5	5	9	5
17	20B45A0405	5			5	9	5
18	20B45A0406		3	3		4	5
19	20B45A0407	4	5			8	5
20	20B45A0408		5		5	8	5
21	20B45A0409			5	4	7	5
22	20B45A0410		3	3		4	5
23	20B45A0411	4			4	5	5
24	20B45A0412						5
25	20B45A0413		5	5		9	5
26	20B45A0414	5			5	9	5

*[Signature]*  
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No. of students attempted	9	15	11	11	23	26
Max Marks Question wise	5	5	5	5	10	5
Threshold 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above threshold	9	15	11	11	21	26
% of Students > Target Score	100	100	100	100	91.31	100
Attainment Level	3	3	3	3	3	3

Attainment Level 1:		40% students score more than threshold
Attainment Level 2:		50% students score more than threshold
Attainment Level 3:		60% students score more than threshold

### Course Outcome Mapping with each Question

CO's	Question No				Objective	Assignment
	1	2	3	4		
Course outcome - 1						
Course outcome - 2						
Course outcome - 3	y				y	y
Course outcome - 4		y	y		y	y
Course outcome - 5				y	y	y

### Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question

CO's	Question No				Objective	Assignment
	1	2	3	4		
Course outcome - 1						
Course outcome - 2						
Course outcome - 3	3				3	3
Course outcome - 4		3	3		3	3
Course outcome - 5				3	3	3

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Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question

CO's	Subjective	Objective	Assignment	Attainment Level		
Course outcome - 1						
Course outcome - 2						
Course outcome - 3	3.00	3.00	3.00	3.00		
Course outcome - 4	3.00	3.00	3.00	3.00		
Course outcome - 5	3.00	3.00	3.00	3.00		

  
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# KSHATRIYA COLLEGE OF ENGINEERING

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## KSHATRIYA COLLEGE OF ENGINEERING

Department: ELECTRONICS AND COMMUNICATION ENGINEERING

### Course Outcome Attainment External Examination

Name of the Faculty:	SHAZIA FATHIMA	Academic Year:	2022-23
Branch & Section:	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	Exam:	EXTERNAL
Course:	B.TECH-ECA LAB	Year/Semister:	II-II

S.NO.	HALL TICKET NO	TOTAL(Max. Score:75)
1	21B41A0401	68
2	21B41A0402	71
3	21B41A0403	68
4	21B41A0404	74
5	21B41A0406	74
6	21B41A0407	68
7	21B41A0408	69
8	21B41A0409	73
9	21B41A0410	69
10	21B41A0411	70
11	21B41A0412	71
12	22B45A0401	74
13	22B45A0402	75
14	22B45A0403	65
15	22B45A0404	68
16	22B45A0405	65
17	22B45A0406	70
18	22B45A0407	67

No. of students who attempted the subject	18
Max. Marks	75
Thresold 50%	30
No. of students who scored more than the target score	18
Percentage of students who scored more than target score	100
Overall External Attainment level	3

  
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Attainment Level	1:	40% students score more than threshold
Attainment Level	2:	50% students score more than threshold
Attainment Level	3:	60% students score more than threshold

## End of Course Evaluation Form

Subject		:	B.TECH-ECA LAB			
Section		:	ECE			
Academic Year		:	2022-23			
Faculty Name		:	SHAZIA FATHIMA			
Designation		:	Assistant Professor			
COURSE OUTCOMES: (AT THE END OF THE COURSE THE STUDENT IS ABLE TO)			To a great extent (High)	To a moderate extent (Medium)	To some extent (Low)	Out of 3
		(3)	(2)	(1)		
1	The ability to analyze and design single and multistage amplifiers at low, mid and high frequencies.	23	10	0		2.7
2	Designing and analyzing the transistor at high frequencies.	28	5	0		2.85
3	Determine the efficiencies of power amplifiers.	28	4	1		2.82
4	Determine Frequency response and design of tuned amplifiers.	27	4	2		2.76
5	Able to Analyze all the circuits	28	5	0		3.85

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	using simulation software and Hardware.				
<b>Overall Rating</b>	<b>Out of 3:</b>				<b>2.8</b>

  
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## KSHATRIYA COLLEGE OF ENGINEERING

**Department:** ELECTRONICS AND COMMUNICATION ENGINEERING

### Overall Course Outcome Attainment

Name of the Faculty:	U. ALEKYA	Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	B.TECH-CO&OS	Semister:	III-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3.00	-	3.00	3.00	3
Course outcome - 2	3.00	-	3.00	3.00	3
Course outcome - 3	3.00	3.00	3.00	3.00	3
Course outcome - 4	-	3.00	3.00	3.00	3
Course outcome - 5		3.00	3.00	2.00	3
Average			3.00	2.80	2.85

Final CO Direct Attainment for the Subject	2.85
Final CO Indirect Attainment for the Subject	2.8
Final CO Attainment for the Subject	2.84

  
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# KSHATRIYA COLLEGE OF ENGINEERING

(Affiliated to JNTU Hyderabad & Approved by AICTE)

## KSHATRIYA COLLEGE OF ENGINEERING

Department: **ELECTRONICS AND COMMUNICATION ENGINEERING**

**CO-PO Mapping & PO Attainment Direct Method**

Name of the Faculty:	SHAZIA FHATIMA	Academic Year:	2022-23
Branch & Section:	ECE	Exam:	PRACTICAL
Course/Sub:	B.TECH-ECA LAB	Year/Semister:	II-II

### COURSE OUTCOMES AND PROGRAM OUTCOMES MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Course outcome - 1	2	3	2	-	2	-	-	-	-	2	-	-	2	1
Course outcome - 2	3	3	2	-	1	-	-	-	-	2	-	-	2	1
Course outcome - 3	3	3	2	-	2	-	-	-	-	1	-	-	3	2
Course outcome - 4	2	3	2	-	1	-	-	-	-	2	-	-	2	3
Course outcome - 5	3	3	2	-	1	-	-	-	-	2	-	-	2	1
Course outcome - 6	3	3	2	-	2	-	-	-	-	1	-	-	3	2
COs Average	2.667	3	2	-	1.5	-	-	-	-	1.667	-	-	2.333	1.667
<b>PO ATTAINMENT</b>	<b>2.52</b>	<b>2.84</b>	<b>1.89</b>	<b>-</b>	<b>1.42</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.58</b>	<b>-</b>	<b>-</b>	<b>2.21</b>	<b>1.58</b>

<b>KSHATRIYA COLLEGE OF ENGINEERING</b>									
Department:		CIVIL							
<b>Course Outcome Attainment - Internal Assessments</b>									
Name of the Faculty:		T. SANDEEP			Academic Year:			2022-23	
Branch & Section:		CIVIL			Exam:			MD	
Course/Sub:		B.TECH-EG			Year/Semister:			II-I	
SLNo	Roll Number	Question No.				Objective	Assignment		
		1	2	3	4				
Maximum Marks		5	5	5	5	10	5		

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1	20B41A0101				4	4	5
3	20B41A0102						5
3	20B41A0103			4		3	5
4	20B41A0104		3			4	5
5	20B41A0105	2			3	2	5
6	20B41A0106			1	3	3	5
7	20B41A0107		3		4	4	5
8	20B41A0108	4		4		4	5
9	20B41A0109						5
10	20B41A0110						5
11	20B41A0111			2	3	3	5
12	21B45A0101	5			5	7	5
13	21B45A0102		5	5		6	5
14	21B45A0103	5			5	8	5
15	21B45A0104		5	5		7	5
16	21B45A0105	4			4	5	5
17	21B45A0106		5	5		7	5
18	21B45A0108			5	5	6	5
19	21B45A0109	5	5			7	5
20	21B45A0110			4	4	5	5
21	21B45A0111		4		3	5	5
22	21B45A0112	4		4		5	5
23	21B45A0113		5		5	6	5
24	21B45A0114		5	5		8	5
25	21B45A0115	4			4	5	5
26	21B45A0116		4	3		5	5
27	21B45A0117	5			5	6	5
28	21B45A0118		5	5		6	5
29	21B45A0119						5
30	21B45A0120				3	5	5
31	21B45A0121			3		5	5
32	21B45A0122		3		3	4	5
33	21B45A0123	5		5		6	5
34	21B45A0124		5		4	5	5
35	21B45A0125	3		3		5	5

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36	21B45A0126		3		4	5	5
37	21B45A0127	3		4		5	5
38	21B45A0128		5		5	9	5
39	21B45A0129	5		5		7	5
40	21B45A0130		5		5	7	5
41	21B45A0131		5	4		7	5
42	21B45A0132	4			5	5	5
43	21B45A0133						5
44	21B45A0134			5	5	9	5
45	21B45A0135	5		3		5	5
46	21B45A0136		5		5	6	5
No. of students attempted		15	18	21	23	41	46
Max Marks Question wise		5	5	5	5	10	5
Threshold 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above threshold		14	18	19	23	32	46
% of Students > Target Score		93.34	100	90.48	100	78.05	100
Attainment Level		3	3	3	3	3	3
<b>Attainment Level 1:</b>		<b>40% students score more than threshold</b>					
<b>Attainment Level 2:</b>		<b>50% students score more than threshold</b>					
<b>Attainment Level 3:</b>		<b>60% students score more than threshold</b>					
<b>Course Outcome Mapping with each Question</b>							
CO's	Question No				Objective	Assignment	
	1	2	3	4			
Course outcome - 1	y				y	y	
Course outcome - 2		y	y		y	y	
Course outcome - 3				y	y	y	
Course outcome - 4							
Course outcome - 5							
<b>Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question</b>							
CO's	Question No				Objective	Assignment	

  
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	1	2	3	4		
Course outcome - 1	3				3	3
Course outcome - 2		3	3		3	3
Course outcome - 3				3	3	3
Course outcome - 4						
Course outcome - 5						

Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question				
CO's	Subjective	Objective	Assignment	Attainment Level
Course outcome - 1	3.00	3.00	3.00	3.00
Course outcome - 2	3.00	3.00	3.00	3.00
Course outcome - 3	3.00	3.00	3.00	3.00
Course outcome - 4				
Course outcome - 5				

KSHATRIYA COLLEGE OF ENGINEERING							
<b>Department:</b>		<b>CIVIL</b>					
Course Outcome Attainment - Internal Assessments							
Name of the Faculty:		T. SANDEEP		Academic Year:		2022-23	
Branch & Section:		CIVIL		Exam:		MID - II	
Course/Sub:		B.TECH-EG		Year/Semester:		II-I	
Sl.No	Roll Number	Question No.				Objective	Assignment
		1	2	3	4		
<b>Maximum Marks</b>		<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>10</b>	<b>5</b>
1	20B41A0101			3	3	3	5
2	20B41A0102						5
3	20B41A0103	3			2		5
4	20B41A0104			4			5
5	20B41A0105				4		5
6	20B41A0106		3		3		5

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7	20B41A0107	3		3		4	5
8	20B41A0108			3	3	4	5
9	20B41A0109						5
10	20B41A0110						5
11	20B41A0111				3	3	5
12	21B45A0101		5	5		5	5
13	21B45A0102	4		4		3	5
14	21B45A0103		4	4		4	5
15	21B45A0104			5	5	8	5
16	21B45A0105	5	5			9	5
17	21B45A0106			5	5	6	5
18	21B45A0108		3		3	5	5
19	21B45A0109	4		4		5	5
20	21B45A0110		3		3	5	5
21	21B45A0111	2		3		5	5
22	21B45A0112				4	4	5
23	21B45A0113	4		4		5	5
24	21B45A0114		5		5	7	5
25	21B45A0115			3	2	5	5
26	21B45A0116						5
27	21B45A0117		5		5	6	5
28	21B45A0118	3			2	3	5
29	21B45A0119			3	3	3	5
30	21B45A0120		3		3	3	5
31	21B45A0121			4	3	4	5
32	21B45A0122	3				5	5
33	21B45A0123	5	5			6	5
34	21B45A0124	5	5			5	5
35	21B45A0125			3	3	4	5
36	21B45A0126	5	5			8	5
37	21B45A0127			3	3	6	5
38	21B45A0128		5		5	9	5
39	21B45A0129	5		5			5
40	21B45A0130		5		3	6	5
41	21B45A0131			5	5		5
42	21B45A0132		3	3			5
43	21B45A0133						5

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44	21B45A0134	5			5	7	5
45	21B45A0135		4	4		4	5
46	21B45A0136	5			5	6	5
<b>No. of students attempted</b>		15	16	21	25	40	46
<b>Max Marks Question wise</b>		5	5	5	5	10	5
<b>Threshold 50%</b>		2.5	2.5	2.5	2.5	5	2.5
<b>No. of Students above threshold</b>		14	16	21	22	23	46
<b>% of Students &gt; Target Score</b>		93.34	100	100	88	57.5	100
<b>Attainment Level</b>		3	3	3	3	2	3
<b>Attainment Level 1:</b>		<b>40% students score more than threshold</b>					
<b>Attainment Level 2:</b>		<b>50% students score more than threshold</b>					
<b>Attainment Level 3:</b>		<b>60% students score more than threshold</b>					

### Course Outcome Mapping with each Question

CO's	Question No				Objective	Assignment
	1	2	3	4		
Course outcome - 1						
Course outcome - 2						
Course outcome - 3	y				y	y
Course outcome - 4		y	y		y	y
Course outcome - 5				y	y	y

### Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question

CO's	Question No				Objective	Assignment
	1	2	3	4		
Course outcome - 1						
Course outcome - 2						
Course outcome - 3	3				2	3
Course outcome - 4		3	3		2	3
Course outcome - 5				3	2	3

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Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question

CO's	Subjective	Objective	Assignment	Attainment Level		
Course outcome - 1						
Course outcome - 2						
Course outcome - 3	3.00	2.00	3.00	2.67		
Course outcome - 4	3.00	2.00	3.00	2.67		
Course outcome - 5	3.00	2.00	3.00	2.67		

  
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# KSHATRIYA COLLEGE OF ENGINEERING

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CIVIL			
T. SANDEEP		Academic Year:	2022-23
CIVIL		Exam:	EXTERNAL
GEOTECHNICAL ENGINEERING LAB		Year/Semister:	III-I
S.NO.	HALLTICKET NO	TOTAL(Max. Score:75)	
1	20B41A0101	65	
2	20B41A0103	66	
3	20B41A0106	65	
4	20B41A0107	65	
5	20B41A0108	65	
6	20B41A0111	66	
7	21B45A0101	71	
8	21B45A0102	70	
9	21B45A0103	72	
10	21B45A0104	72	
11	21B45A0105	72	
12	21B45A0106	71	
13	21B45A0108	71	
14	21B45A0109	71	
15	21B45A0110	72	
16	21B45A0112	70	
17	21B45A0113	69	
18	21B45A0114	70	
19	21B45A0115	66	
20	21B45A0117	71	
21	21B45A0118	70	
22	21B45A0119	68	
23	21B45A0120	67	
24	21B45A0121	70	
25	21B45A0122	68	
26	21B45A0123	72	
27	21B45A0124	71	
28	21B45A0125	70	
29	21B45A0126	72	
30	21B45A0127	72	
31	21B45A0128	72	
32	21B45A0129	71	
33	21B45A0130	72	

  
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34	21B45A0131	72
35	21B45A0132	71
36	21B45A0134	70
37	21B45A0135	68
38	21B45A0136	72

38
75
30
38
100
3



40% students score more than threshold

50% students score more than threshold

60% students score more than threshold

## End of Course Evaluation Form

Subject	:	GEOTECHNICAL ENGINEERING LAB
Section	:	CIVIL
Academic Year	:	2022-23
Faculty Name	:	T. SANDEEP
Designation	:	Assistant Professor

COURSE OUTCOMES: (AT THE END OF THE COURSE THE STUDENT IS ABLE TO)	To a great extent (High)	To a moderate extent (Medium)	To some extent (Low)	 Out of 3 Principal Kshatriya College of Engg. CHEPUR-ARMOOR - 503224 Dist: Nizamabad
	(3)	(2)	(1)	
1 Examine the grain size distribution of soil.	23	10	0	 2.7

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2	Estimate the field density of soil by core cutter and sand replacement methods.	28	5	0	2.85
3	Determine compaction and shear strength parameters of soil.	28	4	1	2.82
4	Evaluate the differential free swell index and swelling pressure of soil.	27	4	2	2.76
5	Obtain the compressibility, permeability parameters and CBR value of soil.	28	5	0	2.85
<b>Overall Rating</b>		<b>Out of 3:</b>			<b>2.8</b>

  
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## KSHATRIYA COLLEGE OF ENGINEERING

Department:	CIVIL		
<b>Overall Course Outcome Attainment</b>			
Name of the Faculty:	T.SANDEEP	Academic Year:	2022-23
Branch & Section:	CIVIL	Exam:	
Course:	B.TECH-EG	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3.00	-	3.00	3.00	3
Course outcome - 2	3.00	-	3.00	3.00	3
Course outcome - 3	3.00	2.67	2.83	3.00	2.96
Course outcome - 4	-	2.67	2.67	3.00	2.92
Course outcome - 5		3.00	3.00	2.00	3
Average			2.90	2.80	2.83

Final CO Direct Attainment for the Subject	2.83
Final CO Indirect Attainment for the Subject	2.8
Final CO Attainment for the Subject	2.82

  
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KSHATRIYA COLLEGE OF ENGINEERING														
Department: CIVIL														
CO-PO Mapping & PO Attainment Direct Method														
Name of the Faculty:	T.SANDEEP					Academic Year:	2022-23							
Branch & Section:	CIVIL					Exam:	EXTERNAL							
Course/Sub:	GEOTECHNICAL ENGINEERING LAB					Year/Semister:	III/I							
COURSE OUTCOMES AND PROGRAM OUTCOMES MAPPING														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Course outcome - 1	2	3	2	-	2	-	-	-	-	2	-	-	2	1
Course outcome - 2	3	3	2	-	1	-	-	-	-	2	-	-	2	1
Course outcome - 3	3	3	2	-	2	-	-	-	-	1	-	-	3	2
Course outcome - 4	2	3	2	-	1	-	-	-	-	2	-	-	2	3
Course outcome - 5	3	3	2	-	1	-	-	-	-	2	-	-	2	1
Course outcome - 6	3	3	2	-	2	-	-	-	-	1	-	-	3	2
COs Average	2.667	3	2	-	1.5	-	-	-	-	1.667	-	-	2.333	1.667
<b>PO ATTAINMENT</b>	<b>2.51</b>	<b>2.8</b>	<b>1.88</b>	<b>-</b>	<b>1.41</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.57</b>	<b>-</b>	<b>-</b>	<b>2.19</b>	<b>1.57</b>

The internal evaluation is based on session wise performance of experiment and viva voce, Observation, record and internal examination. The final internal marks are considered for CIE, and CO level for CIE attainment is decided upon the percentage of students who score more than 55% of the maximum internal marks, i.e., 13.75 out of 25 is used to decide the CO attainment level and is uniform for all CO's.

Semester End University Examination Evaluation (SEE): SEE Lab exam is evaluated for 75 marks. In SEE of the lab, % of students who score over 40% of the maximum marks, i.e. 30 out of 75 marks, is used to decide the CO attainment level and is uniform for all CO's.

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 CHEPUR-ARMOOR - 503224  
 Dist: Nizamabad



determining corresponding CO attainment level. This Attainment level is construed as uniform for all COs of the course.

c) Industry Oriented Mini Project: For Industry Oriented Mini Project, the assessment is based only on External evaluation. The marks obtained in Industry Oriented Mini Project is used to decide the % of students who scored more than 40% of maximum marks, and this % is used for determining corresponding CO attainment level. This Attainment level is construed as uniform for all COs of the course.

d) Project: Continuous Internal Evaluation: The internal marks for project (25) are the total of marks allotted in Project review, final presentation, and by project guide. The final internal marks are considered for CIE, and CO level for CIE attainment is decided upon the percentage of students who score more than 55% of the maximum internal marks, i.e., 13.75 out of 25 is used to decide the CO attainment level and is uniform for all Cos

### Semester End University Examination Evaluation (SEE):

The external evaluation is by award of Grade (Excellent/Very Good/Satisfactory /Poor). These grades are considered for SEE, and CO level for SEE attainment is decided upon the percentage of students who got Excellent/Very Good/Good to the number of students appeared is used to decide the CO attainment level and is uniform for all COs. The average value of the CO levels for the course are then used for mapping the PO attainments, using the array of target PO values for the course.

### Attainment of Program Outcomes and Program Specific Outcomes:

Direct assessment of POS and PSOS for a course is obtained by mapping the respective CO value of Course Outcome attainment with the mapping of the target or expected POS and PSOs for the particular course.

The procedure adapted for calculating the attainment of Course Outcomes for a Theory course is described with an example for the course Python Programming the CO values arrived from CIE and SEE for the course Python Programming (CS751PC) for

### Indirect Assessment Tools:

The PO/PSOs are attained indirectly by taking different surveys. These surves are also having equal weightages

For overall PO/PSO attainment.

1. Program Exit Survey
2. Alumni Survey
3. Employer Feedback Survey

### Frequency of Data Collection:

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Table: Data Frequency

S.No	Assesment Tool	Frequency of data collection
1.	Program Exit Survey	Once a year
2.	Alumni Survey	Once a year
3.	Employer Feedback Survey	Once a year

### Indirect Assessment Tools:

Alumni Survey: A feedback is collected on POS & PSOS from alumni students. It contributes towards the weight age of PO and PSO attainment. This survey is conducted by Alumni coordinator with the passed out students. Alumni coordinator collects both Alumni feedback forms filled by passed out student.

Employer Feedback Survey: A feedback is collected on Vision & Mission, PEOs, and POs & PSOS It is an indirect assessment tool which contributes towards the weightage of PO and PSOS. It is conducted after one year of service completed by the graduates from joining those respective organizations.

Program Exit Survey: The Program graduate exit survey is collected at the end of the program. The objective of the survey is to know the level of confidence of each POs & PSOS that a graduate possess by the end of the program.

  
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**ALUMNI SURVEY FORM**  
(Alumni members)

Students are requested to fill this form to get the details of the CPE program. Your responses will help us to improve the program and provide better services to our students. Your responses are strictly confidential.

Name of the Alumni: **NIPUL KUMAR VADNATH**  
Roll No: **19010100000000000000**

Branch: **COMPUTER SCIENCE & ENGINEERING**

Present Address: **11, 12-3-12, PILLAYARAO STREET, NIZAMABAD - 503224**

Contact: **9999999999**

Present Occupation/Service and the organization/Institution in which you are working: **Banking - Software Engineer**

Present Educational/Professional Qualification: **—**

Sl.No.	Please answer the following Questions	Please tick the following		
		Yes/Good	Good	Satisfactory
1	How satisfied are you with the knowledge imparted to you in the CPE?	2	1	1
2	Have you used the knowledge and skills acquired in the CPE in your present job/occupation?	3		
3	Have you been able to apply the knowledge and skills acquired in the CPE in your present job/occupation?	3		
4	Have you been able to apply the knowledge and skills acquired in the CPE in your present job/occupation?		2	
5	Have you been able to apply the knowledge and skills acquired in the CPE in your present job/occupation?	3		
6	Have you been able to apply the knowledge and skills acquired in the CPE in your present job/occupation?		2	

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1) Will you return to academic projects before you start work in future again?		2	
2) How do you rate the quality of the knowledge acquired in the CPE?	3		
3) How did you rate the quality of the knowledge acquired in the CPE in your present job/occupation?		2	
4) Can you learn independently throughout your life in your development?	3		
5) Have you been able to apply the knowledge and skills acquired in the CPE in your present job/occupation?		2	
6) Did your experience give you enough knowledge for a good career in the field of work?	3		

Your feedback is valuable, which will help to achieve further improvement in the program.

Write a few words about your experience in the CPE and your present job/occupation.

*Kshatriya College has been a great experience for learning and I suggest to go with some other educational institutions to provide a good learning experience.*

Date: 11-05-2022

*[Signature]*

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**STUDENT SELF-ASSESSMENT**

Name: \_\_\_\_\_  
Registration No: \_\_\_\_\_  
Course: \_\_\_\_\_  
Semester: \_\_\_\_\_

Please indicate the extent to which you agree with the statements by marking the appropriate number in the following table.

Statement	Strongly Disagree	Disagree	Agree	Strongly Agree
1. I can apply the basic principles of mathematics, physics and engineering to solve the complex engineering problem.	3			
2. I have sufficient skills and skills for the professional engineering.	3			
3. I can use design software for complex problems. Does your academic knowledge for research projects?			2	
4. I have the skill and ability to synthesize a solution by utilizing research based knowledge and methods using a well defined system these solutions to research oriented task.	0			
5. I have the interest about current technologies and modern engineering tools.	3			
6. Can you apply the concepts with your knowledge achieved from your studies?			2	
7. Have you learnt your basic skills in service or in industry?	3			
8. Have you come to know about safety from production?	3			

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1	How do your engineering skills and knowledge compare to your personal development as a person within your field?	3		
4	How do your academic and professional skills compare to your personal development as a person within your field?	4		
10	How do your academic and professional skills compare to your personal development as a person within your field?	2		
16	How do your academic and professional skills compare to your personal development as a person within your field?	3		
17	How do your academic and professional skills compare to your personal development as a person within your field?	2		
18	How do your academic and professional skills compare to your personal development as a person within your field?	2		
19	How do your academic and professional skills compare to your personal development as a person within your field?	5		
20	How do your academic and professional skills compare to your personal development as a person within your field?	2		

Suggested Questions: *Design a system, develop a new component for a machine, etc. Report the design.*

1. Have you been able to improve your skills in the field of your study?  
2. Have you been able to improve your skills in the field of your study?

Date: 10.06.2024

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**PROGRESS REPORT EXPLANED**

The Institute is conducting various types of activities. The performance of the institute has to be monitored & reported. The following information is to be furnished to the Institute.

Department Name: Department of ECE  
Faculty Name: Dr. K. Srinivas Reddy

Sl. No.	Describe the following activities	PFC & PFTS	Grades of students		
			Grade A	Grade B	Grade C
1	How many students are admitted to the department in the year 2012-13?	100	0	0	0
2	How many students are admitted to the department in the year 2013-14?	100	0	0	0
3	How many students are admitted to the department in the year 2014-15?	100	0	0	0
4	How many students are admitted to the department in the year 2015-16?	100	0	0	0
5	How many students are admitted to the department in the year 2016-17?	100	0	0	0
6	How many students are admitted to the department in the year 2017-18?	100	0	0	0
7	How many students are admitted to the department in the year 2018-19?	100	0	0	0
8	How many students are admitted to the department in the year 2019-20?	100	0	0	0
9	How many students are admitted to the department in the year 2020-21?	100	0	0	0
10	How many students are admitted to the department in the year 2021-22?	100	0	0	0

Date: 15/07/23

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**Program Level CO-PO Mapping**  
(A.Y. : 2018-2023)

**BTECH I YEAR I SEM(A.Y.2018-2019)**

SN O	COUR SE CODE	CO DE	NAME	PROGRAM OUTCOMES												
				PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
1	MA10 IBS	C10 1	Mathematics-I	3	3	3	2	2								3
2	CH102 BS	C10 2	Engineering Chemistry	3	3	3	2	2								2.8
3	PH103 BS	C10 3	Engineering Physics-I	3	3	2.8	2	2.6								3
4	EN104 HS	C10 4	Professional Communication in English	3	3		2.2	2.6			2.6	3	3			3
5	ME105 ES	C10 5	Engineering Mechanics	2.8	2.8	2.6	1.8	1.6	1.6	2	2.6	1.4	1.4			3
6	EE106 ES	C10 6	Basic Electrical and Electronics Engineering	3	3	2	2.2	2.6	2		2.2	2	1.8			3
7	EN107 HS	C10 7	English Language Communication Skills Lab	3	3		2.2	2.6			2.6	3	3			3
8	ME108 ES	C10 8	Engineering Workshop	2.8	2.8		1.8	1.6	1.6	2	2.6	1.4	1.4			3

**BTECH I YEAR II SEM**

SN O	COUR SE CODE	CO DE	NAME	PROGRAM OUTCOMES												
				PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
9	PH201 BS	C11 0	Engineering Physics-II	3	3	3	1.6	2.4								2.8
10	MA20 2BS	C12 1	Mathematics-II	2.8	2.6	2.6	1.6	1.6								2.6
11	MA20 3BS	C13 1	Mathematics-III	2.4	2.4	2.4	1.6	1.6								2.4
12	CS204 ES	C14 1	Computer Programming in C	2.8	2.8	2	2	2.6	2		2	2	2			2.8
13	ME205 ES	C15 1	Engineering Graphics	2.8	2.6	2.6	2.2	1.6	2.2	1.8	2.2	2.4	1.6			3
14	CH206 BS	C16 1	Engineering Chemistry Lab	2.8	2.8	2.4	1.6	1.6								2.6
15	PH207 BS	C17 1	Engineering Physics Lab	2.6	2.6	2.6	1.8	2.4								2.6
16	CS208	C18	Computer	2.8	2.8	2.2	2.2	2.2	2		2	2	2			2.8

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	ES	1	Programming in C Lab	8					6					
<b>BTECH II YEAR I SEM (AY.2018-2019)</b>														
17	MA30 IBS	C21 1	Mathematics – IV	2.4	2.4	2.4	1.6	1.6						2.4
18	CS302 ES	C21 2	Data Structures through C++	2.8	2.8	2.8	2.2	2	2.4	2.4		2	2	2.2 3
19	CS303 ES	C21 3	Mathematical Foundations of Computer Science	2.4	3	2.6			1.4	1.2			1.6	1.6
20	CS304 ES	C21 4	Digital Logic Design	2.8	2.7	2.6		2		2.4			2.4	2.6
21	CS305 ES	C21 5	Object Oriented Programming through Java	3	3	2.4	2.2	2.2	2	2		1	1.6	2
22	CS306 ES	C21 6	Data Structures through C++ Lab	3	2	2.5	2							
23	CS307 ES	C21 7	IT Workshop	1.8	2	2.2	1.8	2				2	2	1.6 1.8
24	CS308 ES	C21 8	Object Oriented Programming through Java Lab	2.4	2.4	1.3	1.8	2				1.8	2	2.4 1.67
<b>BTECH II YEAR II SEM</b>														
25	CS401 BS	C22 1	Computer Organization	3	2.2	2.4	2.2	2	2	2		2.2	2	
26	CS402 ES	C22 2	Database Management Systems	2.4	2.2	2	2.4	2	2.2			2.4	2.8	2
27	CS403 ES	C22 3	Operating Systems	2.2	2.2	2.2	2.4	1.8	2.2	1.8		2.6	2	2
28	CS404 ES	C22 4	Formal Languages and Automata Theory	2.4	2.2	2	2	2				2		2
29	SM405 MS	C22 5	Business Economics and Financial Analysis	1	1	2	1	2	2	2	3	3	2	1 2
30	CS406 ES	C22 6	Computer Organization Lab	2.8	2	2.8								2.6
31	CS407 ES	C22 7	Database Management Systems Lab	2.2	2.2	2.2	2.3	2.33						
32	CS408 ES	C22 8	Operating Systems Lab	2	2	3	2					2	2.2	
<b>BTECH III YEAR I SEM (AY.2019-2020)</b>														
33	CS501 PC	C32 1	Design and Analysis of Algorithms	2.6	2.4	2.2	2.4	2.6				2.4	2.6	2.2

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34	CS502 PC	C32 2	Data Communication and Computer Networks	2. 6	2.8	2.6						2.4	2.4	2.2	2.6
35	CS503 PC	C32 3	Software Engineering	2. 6	2.6	2.4	2.6	2.5	1.8		2.5	2.6		2.6	2.5
36	SM504 MS	C32 4	Fundamentals of Management	1. 0	1.0	2.0	1.0	2.0	2.0	2.0	3.0	3.0	2.0	1.0	2.0
37	ME512 OE	C32 5	Computer Graphics	2. 5	2.3	2.3	2.3	2.3				2.0	2.0	2.5	2.3
38	CS505 PC	C32 6	Design and Analysis of Algorithms Lab	2. 6	2.2	2.8	2.4	2.6				2.4	2.6		2.2
39	CS506 PC	C32 7	Computer Networks Lab	2. 8	2.4	2.8	2.2	2.0				2.6	2.6	2.2	2.0
40	CS507 PC	C32 8	Software Engineering Lab	2. 6	2.6	2.4	2.6	2.5	1.8		2.5	2.6		2.6	2.5
<b>BTECH III YEAR II SEM</b>															
41	CS601 PC	C42 2	Compiler Design	3	3	3	3	3				2	2.4	2.4	2.6
42	CS602 PC	C42 3	Web Technologies	2. 4	2.4	2.2		2.8				2.2	2.2		
43	CS603 PC	C42 4	Cryptography and Network Security	2. 4	2	2	2	2	2			1			2
44	ME622 OE	C42 5	Fundamentals of Robotics	2. 6	2	2	2					2.4			2.2
45	CS612 PE	C42 6	Design Patterns	2. 6	2.2	2	2	2							
46	CS604 PC	C42 7	Cryptography and Network Security Lab	2. 2	2	2	2	2							2
47	CS605 PC	C42 8	Web Technologies Lab	2. 6	2.2	2.4	2.6					2.4			2.4
48	EN606 HS	C42 9	Advanced English Communication Skills Lab	3	3										
<b>BTECH IV YEAR I SEM(2021-2022)</b>															
49	CS701 PC	C52 1	Data Mining	1. 5	2.2	2.0	2.0					1.5	0		2.25
50	CS702 PC	C52 2	Principles of Programming Languages	1. 5	1.3	1.4	1.4	1.3	1.1				1.5	1.5	1.3
51	CS721 PE	C52 3	Python Programming	2. 1	2.1	2.1	1.9	2.1				2.2			
52	CS732 PE	C52 4	Distributed Systems	1.	1.5	1.5	1.5					1.3	1.5	1.8	

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				5											
53	CS742 PE	C52 5	Cloud Computing	2	2	3	2.6	3							
54	CS703 PC	C52 6	Data Mining Lab	2.4	2	2.2	2.2	2.6	2	2	2	2.6		2	3
55	CS751 PC	C52 7	Python Programming Lab	2	2.2	2.4	2.2	2.2							
56	CS705 PC	C52 8	Industry Oriented Mini Project	2.3	2	3		2	2			2	3	2	
57	CS706 PC	C52 9	Seminar	2	2		2.3	2					2		
<b>BTECH IV YEAR II SEM</b>															
58	EE833 OE	C63 1	Organizational Behaviors	1	1	2	1	2	2	2	3	3	2	1	2
59	CS852 PE	C63 2	Real-Time Systems	2.5	2.2	3	2.3	2	1						
60	CS862 PE	C63 3	Web Services and Service Oriented Architecture	2.25	2.2	2.2		2.1		1.9		1.0		1.95	2.1
61	CS801 PC	C63 4	Major Project	2.3	2	3		2	2			2	3	2	
Average				2.42	2.3	2.3	2.3	2.08	1.7	1.7	2.7	2.5	1.78	2.19	2.79

  
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## PO ATTAINMENT LEVEL (2018-2023)

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment (Average)	2.42	2.32	2.38	2.39	2.08	1.79	1.78	2.76	2.58	1.78	2.19	2.79
Direct Attainment (80%Average)	1.936	1.856	1.904	1.912	1.664	1.432	1.424	2.208	2.064	1.424	1.752	2.232
Indirect Attainment	2.92	2.89	2.95	2.89	2.96	2.95	2.75	2.81	2.85	2.77	2.86	2.91
Indirect Attainment (20%)	0.58	0.57	0.59	0.57	0.59	0.59	0.55	0.56	0.57	0.55	0.57	0.58
Overall PO attainment (80+20)	2.516	2.426	2.494	2.482	2.254	2.022	1.974	2.768	2.634	1.974	2.322	2.812

  
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S.No	CODE	Name	PSO		
			PSO1	PSO2	PSO3
<b>B.TECH I YEAR</b>					
1	C101	Mathematics-I	1.6	2	-
2	C102	Engineering Chemistry	2	2	-
3	C103	Engineering Physics-I	2	2	-
4	C104	Professional Communication in English	1.6	1.6	1.6
5	C105	Engineering Mechanics	1.6	1.6	1.2
6	C106	Basic Electrical and Electronics Engineering	1.6	1.6	1.6
7	C107	English Language Communication Skills Lab	1.6	1.6	1.6
8	C108	Engineering Workshop	1.6	1.6	-
9	C110	Engineering Physics-II	1.6	1.6	-
10	C121	Mathematics-II	1.6	2	1.4
11	C131	Mathematics-III	1.6	1.6	1.6
12	C141	Computer Programming in C	1.6	1.6	3
13	C151	Engineering Graphics	2	1.8	2.2
14	C161	Engineering Chemistry Lab	2	2.4	1.6
15	C171	Engineering Physics Lab	2	2	
16	C181	Computer Programming in C Lab	1.8	1.8	3
<b>B.TECH II YEAR</b>					
17	C211	Mathematics – IV	1.6	1.6	1.6
18	C212	Data Structures through C++	2.2	2.6	3
19	C213	Mathematical Foundations of Computer Science	1.8	1.8	-
20	C214	Digital Logic Design	2.2	2.4	2.8
21	C215	Object Oriented Programming through Java	2.85	2.4	3
22	C216	Data Structures through C++ Lab	1.8		2
23	C217	IT Workshop	2.6	2.4	2.6
24	C218	Object Oriented Programming through Java Lab	2.2	2.4	2.6
26	C221	Computer Organization	2.8	2.6	2
27	C222	Database Management Systems	2.2	2.8	2.2
28	C223	Operating Systems	2.6	2.6	2.4
29	C224	Formal Languages and Automata Theory	2.8	2.5	
30	C225	Business Economics and Financial Analysis	2	3	3
31	C226	Computer Organization Lab	2.4	2	2.2
32	C227	Database Management Systems Lab	2.4	2.6	2
33	C228	Operating Systems Lab	2.2	2.4	2.6
<b>B.TECH III YEAR</b>					
35	C321	Design and Analysis of Algorithms	2.6	2.4	3.0
36	C322	Data Communication and Computer Networks	2.6	3	3.0
37	C323	Software Engineering	2	3	3.0

Website: [www.kcea.in](http://www.kcea.in)

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# KSHATRIYA COLLEGE OF ENGINEERING

(Affiliated to JNTU Hyderabad & Approved by AICTE)

38	C324	Fundamentals of Management	2.5	2	2.8
39	C325	Computer Graphics	2.2	2.2	2.8
40	C326	Design and Analysis of Algorithms Lab	2.6	2.2	2.8
41	C327	Computer Networks Lab	2.6	2.2	2.0
42	C328	Software Engineering Lab	2.6	3	2.6
44	C422	Compiler Design	2.8	2.4	2.2
45	C423	Web Technologies	3	2.2	2.4
46	C424	Cryptography and Network Security	2.2	2	2
47	C425	Fundamentals of Robotics	2	2.2	2
48	C426	Design Patterns	2.6	2.4	3
49	C427	Cryptography and Network Security Lab	2.8	2.4	2.2
50	C428	Web Technologies Lab	3	2.4	2.8
51	C429	Advanced English Communication Skills Lab	3	-	-
<b>B.TECH IVYEAR</b>					
52	C521	Data Mining	2.1	2.25	2.25
53	C522	Principles of Programming Languages	1.3	1.5	1.5
54	C523	Python Programming	1.65	1.95	2.25
55	C524	Distributed Systems	1.5	1.4	1.3
56	C525	Cloud Computing	3	3	3
57	C526	Data Mining Lab	2.4	2.2	2
58	C527	Python Programming Lab	2.2	2	2
59	C528	Industry Oriented Mini Project	2.3	2.2	2.5
60	C529	Seminar	2.5	2.5	2.5
61	C631	Organizational Behaviours	2	3	3
62	C632	Real-Time Systems	2	2.6	2.25
63	C633	Web Services and Service Oriented Architecture	2.1	2.1	
64	C634	Major Project	2	2	-
<b>AVERAGE</b>			<b>1.8</b>	<b>2.8</b>	<b>2.4</b>

  
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