



Hope Foundation's

Finolex Academy of Management and Technology, Ratnagiri

Department of Information Technology

Course Outcome Target Setting and Analysis

Name of the course	:	Strength of Materials
Course Code	:	MEC301
Branch and SEM	:	MECH / III
Current Academic Year	:	2023-24 (ODD / EVEN SEM)

CO statements - Learner will be able to

CO no.	CO Statements	LL
CO1	Demonstrate fundamental knowledge about various types of loading and stresses induced.	
CO2	Draw the SFD and BMD for different types of loads and support conditions.	
CO3	Analyze the bending and shear stresses induced in the beam.	
CO4	Analyze the deflection in beams and stresses in the shaft.	
CO5	Analyze the stresses and deflection in beams and Estimate the strain energy in mechanical elements.	
CO6	Analyze buckling phenomenon in columns.	

CO-PO mapping matrix:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1														
CO2														
CO3														
CO4														
CO5														
CO6														

Details of CO assessment heads and targets for Last AY 2022-23:

Assessment head (please tick appropriate)	Weightage	Threshold	Target level of attainment
Internal assessment	100% for only one assessment head	40%	Low (L1) or

Termwork		or 50% for two assessment heads or 25% (IA) - 50% (ESE) - 25% (TW) for three assessment head		Moderate (L2) or Substantial (L3)
End semester				
Oral / & Practical exam				

Status of CO attainment with reference to the set target for Last AY 2022-23:

CO1	CO2	CO3	CO4	CO5	CO6	AVG
1.5	1	1.5	2	2.5	2.5	1.83

Status of CO attainment in Last AY 2022-23:

1. All the course outcomes are NOT attained / attained with low level (L1) / moderate level (L2) / substantial level (L3).
2. The threshold marks for the CO attainment will remain unchanged at 40% / be revised by ____ percent (of passing marks i.e 40%) as recommended by PAC in all assessment heads of the course.
3. The target level of attainment for next AY will be low level (L1) / moderate level (L2) / substantial level (L3).

Observations and comments on the CO attainment of last AY 2022-23:

1. CO2 is falling significantly below the average CO attainment
2. CO1 and CO3 are also falling below the average CO attainment
3. Attainment of CO4, CO5 and CO6 are satisfactory

Details of CO targets for current AY 2023-24:

Assessment head (please tick appropriate)		Weightage	Threshold	Target level of attainment
Internal assessment		100% for only one assessment head or 50% for two assessment heads or 25% (IA) - 50% (ESE) -25% (TW) for three assessment head	40%	Low (L1) / Moderate (L2) / Substantial (L3)
Termwork				
End semester				
Oral / & Practical exam				

Action plan for current AY 2023-24 as per the revised targets:

1. More number of sessions will be allocated to the content pertaining to CO1, CO2 and CO3
2. Innovative teaching methodologies like group discussion, crossword puzzles will be used for better understanding
3. Additional solved problems on module 1 and 2 from previous three years question paper will be handed over to the students

CO attainment assessment after IA-I with reference to the set target:

CO1	CO2	CO3	CO4	CO5	CO6
1.4	0.6	NA	NA	NA	NA

Steps initiated after IA-I (only if the assessed COs are falling below the attainment values of previous AY)

1. Remedial classes are conducted for CO2
2. Additional problems from previous year question papers are solved from module 1 and 2 and handed over to the students
3. A class test of 10 marks is conducted for assessment of CO1 and CO2 again

CO attainment assessment after IA-II with reference to the set target:

CO1	CO2	CO3	CO4	CO5	CO6
NA	NA	3	1	3	3

Final CO attainment for current AY 2023-24 with reference to the set target:

CO1	CO2	CO3	CO4	CO5	CO6	AVG

Status of CO attainment in current AY 2023-24 and target for next AY 2024-25:

4. All the course outcomes are NOT attained / attained with low level (L1) / moderate level (L2) / substantial level (L3).
5. The threshold marks for the CO attainment will remain unchanged at 40% / be revised by ____ percent (of passing marks i.e 40%) as recommended by PAC in all assessment heads of the course.
6. The target level of attainment for next AY will be low level (L1) / moderate level (L2) / substantial level (L3).

Observations on CO attainment:

- 1.
- 2.
- 3.

Action plan for next AY as per the revised targets:

- 1.
- 2.
- 3.

Name and signature of the
course teacher

Name and signature of the
PAC member