SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to VTU , Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta main road, Bangalore - 560057

DEPARTMENT OF MECHANICAL ENGINEERING

ACTION PLAN FOR COURSE OUTCOMES

Academic Year: 2018-19 **Scheme: 2015**
Subject: DYNAMICS OF MECHINERY **Code: 15ME52**

In the process of assessment, different targets are fixed for different Courses for the respective academic year of 2015 scheme. If the target is achieved (attained), the action plan is to be prepared for further improvement and if the target is not achieved, the action plan is to reach the set target in the subsequent academic year. The course coordinators need to incorporate the same in their curriculum plan of the concerned course.

Sl. No	COs	Description of COs	Target %	Attainment %	Attainment YES/NO	Action plan to reach target/Improvement
1	CO1	Analyze simple mechanisms subjected to static and dynamic force.	70	80	YES	*Maintain teaching and assessment methods* *For improvement set the Higher target of 80% for all COs for the academic year 2019-20* *To set assignment questions from university question papers and to conduct unit test on CO5 and CO6*
2	CO2	Analyze the balancing of rotating and reciprocating masses.	70	82	YES	
3	CO3	Analyze various characteristics of the governor and gyroscope.	70	82	YES	
4	CO4	Explain the basics of vibration and apply principle of super position to addition of motion	70	83	YES	
5	CO5	Analyze free vibration of single degree of freedom systems.	70	71	YES	
6	CO6	Analyze forced vibration of single degree of freedom system.	70	70	YES	

Principal
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Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Course coordinator/Faculty

Professor & HOD
Department of Mechanical Engineering
Sapthagiri College of Engineering

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DEPARTMENT OF MECHANICAL ENGINEERING

ACTION PLAN FOR COURSE OUTCOMES

Academic Year: 2017-18 **Scheme: 2015**
Subject: Finite Element Analysis **Code: 15ME61**

In the process of assessment, different targets are fixed for different Courses for the respective academic year of 2015 scheme. If the target is achieved (attained), the action plan is to be prepared for further improvement and if the target is not achieved, the action plan is to reach the set target in the subsequent academic year. The course coordinators need to incorporate the same in their curriculum plan of the concerned course.

Sl. No	COs	Description of COs	Target %	Attainment %	Attainment YES/NO	Action plan to reach target/Improvement
1	CO1	Describe basics of finite element formulation methods.	70	89	YES	*To continue teaching and assessment methods* *For improvement set the Higher target of 80% for all COs for the academic year 2018-19* *To conduct more tutorial class by solving university question papers on CO2 and CO4*
2	CO2	Derive interpolation functions for structural elements.	70	75	YES	
3	CO3	Apply finite element formulation to determine structural behaviour of bar, truss, beam and shaft.	70	89	YES	
4	CO4	Formulate 1D heat transfer and fluid flow problems.	70	77	YES	
5	CO5	Able to formulate 1D bar and truss element subjected to dynamic loading and axisymmetric triangular element	70	81	YES	

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