



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ATTAINMENT OF COURSE OUTCOMES (COS) – ACTION PLAN

Name of the Faculty	Dr. K. Suvarchala	Department	CSE
Regulations	R16	Batch	2016 -2020
Course Name	Optimization Techniques	Course Code:	AHS012
Semester	V	Target Value	70% (2.1 on 3 Scale)

#### Attainment of COs:

Course Outcomes		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Solve Linear Programming Problems of different applications in engineering by formulating LP model with optimization principles.	1.6	2.6	1.8	Target not attained
CO2	Make use of transportation and assignment problems to obtain feasible and optimal values in allocating and assigning resources for real-time applications.	2.7	2.6	2.7	Target attained
CO3	Select appropriate game theory and sequencing technique to reduce conflicting solutions and in completion of jobs with minimum possible time.	3	2.6	2.9	Target attained
CO4	Choose appropriate dynamic programming methods to transform complex optimization problem into sequence of simpler in solving various types of problems.	3	2.6	2.9	Target attained
CO5	Identify appropriate quadratic approximation techniques to solve constrained optimization problems.	3	2.6	2.9	Target attained
CO6	Develop an ability to identify, formulate and solve simple and complex engineering problems by using appropriate optimization technique.	1.6	2.6	1.8	Target not attained

#### Action taken report:

CO1: Make students to practice LP problems during tutorials so that student able to solve problems effectively.  
CO6: Organize a expert lecture on role of optimization techniques in Engineering specifically in CSE.

Course Coordinator

Mentor

Head of the Department  
Computer Science and Engineering  
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