



# 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	2017 -2021
Course Name	Database Management Systems	Course Code:	ACS005
Semester	IV	Target Value	70% (2.1 on 3 Scale)

#### Attainment of COs:

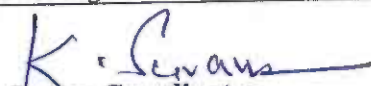
Course Outcomes		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Outline the importance of database system, RDBMS and its functionalities for voluminous data storage and management	2.3	2.4	2.3	Target attained
CO2	Model the real-world database systems using Entity Relationship Diagrams from the requirement specification	3	2.4	2.9	Target attained
CO3	Construct queries in Relational Algebra, Relational Calculus and SQL to retrieve desired information	2	2.4	2.1	Target attained
CO4	Identify appropriate normalization technique using dependencies for controlling the redundancy of database	1.3	2.4	1.5	Target not attained
CO5	Demonstrate ACID properties of Transaction processing, concurrency control protocols and recovery to preserve the database in a consistent state	1.3	2.4	1.5	Target not attained
CO6	Make use of data storage and file organization techniques with tree and hash indices for effective query processing	1.3	2.4	1.5	Target not attained

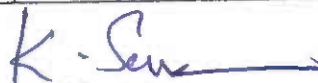
#### Action taken report:

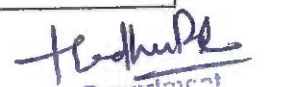
CO4: Small database projects to be provided as Design exercise to students so they able to understand importance of normalization in reducing redundancy.

CO5: Make student to practice problem-based questions on implementation of concurrency control and recovery techniques.

CO6: Organize a seminar on data storage techniques to improve query processing.

  
Course Coordinator

  
Mentor

  
HOD  
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