



**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 V SITHARAMULU	Department	CSE
Regulations	UG20	Batch	2020-2024
Course Name	Database Management Systems	Course Code	AITCO5
Semester	IV	Target Value	70% (2.1 on 3 Scale)

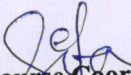
**Attainment of COs:**

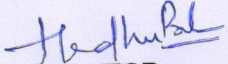
Course Outcomes		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Describe data models, schemas, instances, view levels and database architecture for voluminous data storage.	2.7	2.2	2.6	Target attained
CO2	Define the concept of Relational Algebra and Relational Calculus from set theory to represent queries.	2.7	2.2	2.6	Target attained
CO3	Make use of SQL queries for data aggregation, calculations, views, sub-queries, embedded queries manipulation.	0.7	2.1	1	Target not attained
CO4	Illustrate the definition of Functional Dependencies, Inference rules and minimal sets of FD's to maintain data integrity.	1.6	2.2	1.7	Target not attained
CO5	State the concepts of transaction, states of ACID Properties in Data Manipulation.	3	2.1	2.8	Target attained
CO6	Apply Indexing, Hashing Techniques to access the records from the file effectively.	2.3	2.2	2.3	Target attained

**Action taken report:**

CO3: To make students analyze information retrieval process from real-time database time applications will be provided as lab exercises.

CO4: Expert seminars by industry/academia professionals were organized to make student understand designing a data base with controlled redundancy for an organization

  
Course Coordinator

  
HOD

Head of the Department  
Computer Science and Engineering  
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