


**INSTITUTE OF AERONAUTICAL ENGINEERING**

(Autonomous)

Dundigai, Hyderabad - 500043, Telangana

**COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)**
**ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	<b>Dr. CH N SANTHOSH KUMAR</b>	Department:	<b>Computer Science and Engineering (Data Science)</b>
Regulation:	<b>IARE - R20</b>	Batch:	<b>2021-2025</b>
Course Name:	<b>Database Management Systems</b>	Course Code:	<b>AITC05</b>
Semester:	<b>IV</b>	Target Value:	<b>60% (1.8)</b>

**Attainment of COs:**

	<b>Course Outcome</b>	<b>Direct Attainment</b>	<b>Indirect Attainment</b>	<b>Overall Attainment</b>	<b>Observation</b>
CO1	Describe data models, schemas, instances, view levels and database architecture for voluminous data storage.	1.60	2.30	1.7	Not Attained
CO2	Define the concept of Relational Algebra and Relational Calculus from set theory to represent queries.	1.60	2.30	1.7	Not Attained
CO3	Make use of SQL queries for data aggregation, calculations, views, sub-queries, embedded queries manipulation.	1.60	2.30	1.7	Not Attained
CO5	State the concepts of transaction, states of ACID Properties in Data Manipulation.	1.60	2.30	1.7	Not Attained
CO6	Apply Indexing, Hashing Techniques to access the records from the file effectively.	2.30	2.30	2.3	Attained
CO4	Illustrate the definition of Functional Dependencies, Inference rules and minimal sets of FD's to maintain data integrity.	1.60	2.30	1.7	Not Attained

**Action Taken Report: (To be filled by the concerned faculty / course coordinator)**

CO1: Facilitate tutorial sessions and remedial classes focused on data models and schemas to enhance comprehension, thereby boosting performance and achieving set targets.

CO2: It is essential to engage in more hands-on practice with practical examples of relational algebra and relational operations in queries

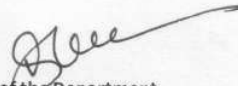
CO3: Faculty members should encourage Students to actively generate additional SQL queries involving views and nest sub-queries and calculation concepts using database languages.

CO5: Enhance skills in grasping the concepts and properties of real-time transactions and transactions in general

CO4: Identify the students and group discussion will be conducted for better understanding of FD, Integrity constraints and their importance.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Data Science  
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