INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. B PADMAJA**	Department:	**Computer Science and Engineering**
Regulation:	**IARE - R18**	Batch:	**2019-2021**
Course Name:	**ADVANCED DATA STRUCTURES**	Course Code:	**BCSB02**
Semester:	**I**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Analyze the performance and complexity of the algorithms on data structures and their applications using mathematical tools like asymptotic notations.	1.60	2.30	1.7	Not Attained
CO2	Construct complex data structures for processing, organizing, and accessing information.	2.70	2.30	2.6	Attained
CO3	Design and Implement non-linear data structures using trees and graphs.	1.60	2.10	1.7	Not Attained
CO4	Organize data in the form of trees and graphs for retrieving information effectively.	1.60	2.30	1.7	Not Attained
CO5	Model the real-world data using red black and splay trees for comparison of text, patterns, and querying.	0.90	2.40	1.2	Not Attained

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

CO1: Real time applications will be provided as case studies to make student comfortable in analyzing Algorithms used in respective applications

CO3: Make students to practice Programming exercises as long experiments on linear data structures to enhance analytical skills of student

CO4: Improve Students programming skills by making them to practice Graphs and Trees related problems on BUILDIT Platform.

CO5: To develop Problem solving skills , provide more programming exercises on advanced data structures to students.

Course Coordinator **Mentor** **Head of the Department**