



COMPUTER SCIENCE AND ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty: **Dr. J SIRISHA DEVI** Department: **Computer Science and Engineering**
Regulation: **IARE - R18** Batch: **2020-2022**
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.	0.90	2.10	1.1	Not Attained
CO2 Construct complex data structures for processing, organizing, and accessing information.	0.90	1.50	1	Not Attained
CO3 Design and Implement non-linear data structures using trees and graphs.	0.90	2.00	1.1	Not Attained
CO4 Organize data in the form of trees and graphs for retrieving information effectively.	0.90	2.80	1.3	Not Attained
CO5 Model the real-world data using red black and splay trees for comparison of text, patterns, and querying.	0.90	2.20	1.2	Not Attained

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

CO1: case studies on Real Time Projects were discussed to make student comfortable in analyzing Algorithms used in respective applications

CO2: Case studies on Real Time Projects were discussed to make student comfortable in analyzing Algorithms used in respective applications

CO3: Programming exercises were given as long experiments on linear data structures to enhance analytical skills of student

CO4: To improve programming skills , make students 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