MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi

NAAC Accredited with A+ Grade,

NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING -DATA SCIENCE

Course Exit Survey

Programme: **B.Tech.** Branch : **COMPUTER SCIENCE AND ENGINEERING- DATA SCIENCE**

Year & Semester: III Year I Semester **A.Y: 2023-24** **BATCH 21-25**

Below are given some fields specifically related to course and effectiveness. You may indicate the extent to which you took advantage of the various learning points of We consider your response highly valuable.

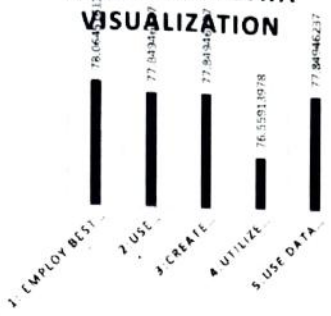
You may rate your response as follows on a five point scale. Tick mark against your option.

A-To a Great Extent B-To a Moderate Extent C-To a Slight Extent D-To a Very Extent E-To a Very little Extent

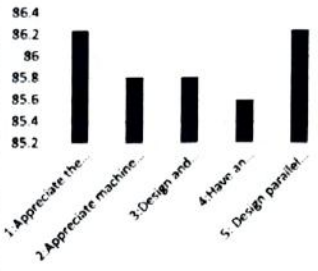
Course Outcomes : At the end of course, the student will be able to	A	B	C	D	E	Attainment of COs	
1.Proofessional Elective -20CSD110 DATABASE MANAGEMENT SYSTEMS						Attainment	% of
1:Apply design principles for database design, ER model	59	24	8	0	2	0.90	89.68
2:Demonstrate the basics of query evaluation and heuristic query optimization techniques	56	29	6	0	2	0.89	89.46
3:Access normalization relations of the relational model using normal forms	57	27	7	0	2	0.89	89.46
4:Implement transaction processing techniques in the database.	56	29	6	0	2	0.89	89.46
5:Design database security plan for database.	56	27	7	1	2	0.89	88.82
2.Proofessional Elective -20CSD111 DATA VISUALIZATION							
1: Employ best practices in data visualization to develop charts, maps, tables, and other visual representations of da	43	19	16	9	6	0.78	78.06
2:Use visualization tools such as Tableau, Power Bi to conduct data analysis, especially exploration of an unfamiliar	41	23	13	10	6	0.78	77.85
3:Create compelling, interactive dashboards to combine several visualizations into a cohesive and functional whole.	42	21	14	10	6	0.78	77.85
4:Utilize advanced Tableau features including parameters, data blending, custom SQL, very large datasets, custom c	40	22	13	11	7	0.77	76.56
5:Use data visualizations, dashboards, and Tableau Stories to support relevant communication for diverse audience	41	23	13	10	6	0.78	77.85
3.Proofessional Elective -20CSD112 MACHINE LEARNING							
1:Appreciate the underlying mathematical relationships within and across machine learning algorithms and the par	48	31	11	1	2	0.86	86.24
2:Appreciate machine learning challenges and suggest solutions for the same	45	36	8	2	2	0.86	85.81
3:Design and implement various machine learning algorithms in a range of real-world applications	48	29	13	1	2	0.86	85.81
4:Have an understanding of how cloud computing helps machine learning.	47	31	11	2	2	0.86	85.59
5: Design parallel programming with CUDA.	48	31	11	1	2	0.86	86.24
4. Professional Elective-							
1: Describe principles, concepts, and practice of software engineering.	55	26	11	0	1	0.89	88.82
2:Explain the methods and processes of constructing the different types of software systems.	52	27	13	0	1	0.88	87.74
3: Describe software design and engineering process.	56	24	12	0	1	0.89	88.82
4: Explain testing strategies of software projects and quality of software systems.	53	25	14	0	1	0.88	87.74
5:Understand project planning and quality management process.	54	27	11	0	1	0.89	88.60
5.20CSD209 DATA VISUALIZATION LABORATORY							
1:Differentiate the various tools for data visualization.	43	21	16	6	7	0.79	78.71
2:Analyses and use the python libraries for visualizing the data.	39	25	12	12	5	0.77	77.42
3:Understand dashboard creation and storytelling.	43	17	21	7	5	0.78	78.49
4:Differentiate the different types of data and the type of visualization that best suits the data.	40	24	12	12	5	0.78	77.63
5:Analyse gnuplot for drawing various graphs and charts.	42	17	22	7	5	0.78	78.06
6.20CSD210 MACHINE LEARNING LABORATORY							
1:Design and implement various machine learning algorithms in a range of real-world applications	48	29	10	3	3	0.85	84.95
2:Appreciate the underlying mathematical relationships within and across machine learning algorithms	49	28	10	3	3	0.85	85.16
3:Analyse the paradigms of supervised and un-supervised learning	47	30	10	2	4	0.85	84.52
4:Apply suitable machine learning techniques for data handling	48	28	11	2	4	0.85	84.52
5:Evaluate the performance of algorithms.	48	30	8	3	4	0.85	84.73
7.Skill Oriented Course - III:20CSD604 R PROGRAMMING FOR DATA SCIENCE							
1:Utilize R programming language proficiently for data analysis tasks.	50	30	9	1	3	0.86	86.45
2:Manipulate data using vectors, matrices, and data frames	50	29	9	3	2	0.86	86.24
3:Create meaningful data visualizations with R's plotting libraries.	53	29	7	2	2	0.88	87.74
4:Perform basic statistical operations for data analysis.	50	29	9	3	2	0.86	86.24
5:Implement decision trees for regression and classification tasks in R.	52	29	8	1	3	0.87	87.10
8.20CE901 DISASTER MANAGEMENT							
1:Explain various disaster concepts	47	23	10	2	11	0.80	80.00
2: Differentiate between categories of disasters	44	23	13	7	6	0.80	79.78
3:Analyze impact of various types of disasters	43	24	19	1	6	0.81	80.86
4:Select disaster risk mitigation measures	42	32	9	4	6	0.82	81.51
5:Identify the impact of development activities	47	25	12	3	6	0.82	82.37

20CSD110 DATABASE MANAGEMENT SYSTEMS

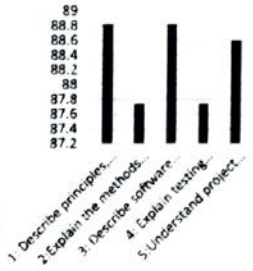
2.20CSD111 DATA VISUALIZATION



3.20CSD112 MACHINE LEARNING

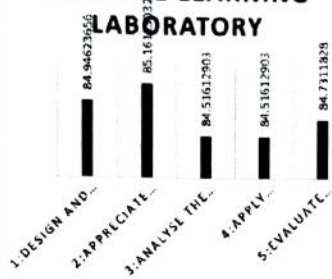


4.20CSD112 MACHINE LEARNING



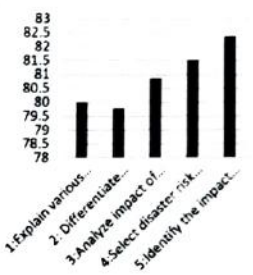
5.20CSD209 DATA VISUALIZATION LABORATORY

6.20CSD210 MACHINE LEARNING LABORATORY



7.20CSD604 R PROGRAMMING FOR DATA SCIENCE

8.20CE901 DISASTER MANAGEMENT



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