



MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

CO ATTAINMENT ACTION TAKEN REPORT

Program: M. Tech.

Course Name : ADVANCED DATA STRUCTURES

Course Code : 2215802

Course Coordinator : DR. SABHAVAT PRATAP SINGH

Year / Sem : I-I

Academic Year : 2022-2023

Regulation : MLRS-R22

Section : A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Demonstrate the use of advanced heap structures for addressing priority-based and optimization problems.	1.80	3.00	2.04	2.10	Not Attained
2	Analyze hashing functions along with collision resolution strategies for improving the performance of data retrieval systems.	2.40	3.00	2.52	2.10	Attained
3	Construct balanced search structures for enhancing performance in large datasets.	2.40	3.00	2.52	2.10	Attained
4	Conduct an assessment of digital search structures for ensuring efficient storage and retrieval of string and sequence data within a designated database.	3.00	3.00	3.00	2.10	Attained
5	Distinguish various pattern matching algorithms applied in text processing and analysis.	3.00	3.00	3.00	2.10	Attained
		FINAL CO		2.62	2.10	Attained

Action Taken:

- 1) Conducted Additional classes and provided additional practice problems on advanced heap structures and optimization applications. Increased tutorial sessions and assignment-based learning to improve student understanding and attainment.
- 2) Introduced more quizzes, coding exercises, and outcome-based assessments to strengthen learning outcomes. Continuous feedback and practice activities were implemented to maintain and enhance CO attainment levels.


Faculty


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CO ATTAINMENT ACTION TAKEN REPORT

Program : M.Tech.
Course Name : ARTIFICIAL INTELLIGENCE
Course Code : 2215801
Course Coordinator : DR.ARIGELA ARUN KUMAR

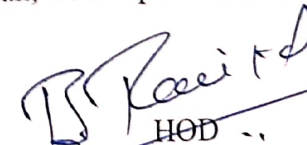
Year / Sem : I-I
Academic Year : 2022-2023
Regulation : MLRS-R22
Section : A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Identify suitable machine learning algorithms for tasks such as classification, regression, and clustering.	3.00	2.00	2.8	2.10	Attained
2	Develop and implement machine learning models for various practical applications.	3.00	2.00	2.8	2.10	Attained
3	Evaluate model performance using relevant statistical and validation metrics to ensure reliability.	3.00	2.00	2.8	2.10	Attained
4	Utilize deep learning techniques, including multilayer neural networks and back propagation, for addressing complex problems.	3.00	2.00	2.8	2.10	Attained
5	Compare reinforcement learning, active learning, and graphical models in terms of their applications and underlying mechanisms.	3.00	2.00	2.8	2.10	Attained
Final CO				2.8	2.10	Attained

Action Taken:

1. Machine learning algorithms were explained through engaging lectures and hands-on demonstrations, supported by real-world case studies to strengthen conceptual understanding.
2. Industry experts were invited to deliver guest lectures and interact with students, providing valuable insights into current practices and enhancing their practical knowledge.
3. Fundamental deep learning concepts, such as neural networks and back propagation, were covered in detail, with implementation exercises carried out using appropriate software frameworks and tools.


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CO ATTAINMENT ACTION TAKEN REPORT

Program : M.Tech.

Course Name: DATABASE PROGRAMMING WITH PL/SQL

Course Code: 2215813

Course Coordinator: DR. MEDIKONDA VENKATA REDDY

Year / Sem : I-I

Academic Year: 2022-2023

Regulation: MLRS-R22

Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Identify the components of PL/SQL blocks including variables, control structures, exceptions, and transactions can be used in real time applications.	3.00	2.00	2.8	2.10	Attained
2	Apply conditional statements, loops, cursors, and different collections including V array, Table, and Associative Arrays in PL/SQL programs.	2.4	2.00	2.32	2.10	Attained
3	Write functions and procedures using different ways of passing in real time applications.	3.00	3.00	3.00	2.10	Attained
4	Evaluate values (positional, named, etc.) and handle transactions in given application.	3.00	2.00	2.8	2.10	Attained
5	Analyze the process of creating and using PL/SQL packages, including the management of access permissions and dependencies within the specified application.	2.4	3.00	2.52	2.10	Attained
Final CO				2.68	2.10	Attained

Action Taken:

1 PL/SQL programming concepts, including block structure, variables, control statements, exception handling, and transaction management, will be explained through practical examples and real-world database applications.

2 Students will be provided with hands-on experience in designing and implementing PL/SQL functions and procedures, utilizing various parameter-passing mechanisms to address real-time business and database requirements.


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CO ATTAINMENT ACTION TAKEN REPORT

Program : M.Tech.

Year / Sem : I-I

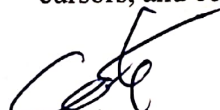
Course Name: DATABASE PROGRAMMING WITH PL/SQL LAB
Course Code: 2215832
Course Coordinator: DR. MEDIKONDA VENKATA REDDY

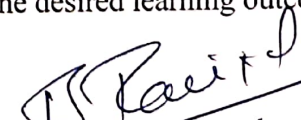
Academic Year: 2022-2023
Regulation: MLRS-R22
Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Make use of control structures in PL/SQL programming in a specified program.	3	3.00	3.00	2.4	Attained
2	Implement exception handling mechanisms for managing runtime errors and ensuring robust database applications.	3	3.00	3.00	2.4	Attained
3	Integrate PL/SQL within high-level programming languages (C/Java) for database transactions.	3	2.00	2.8	2.4	Attained
4	Gain knowledge over handling exceptions and managing errors in applications developed using PL/SQL.	3	3.00	3.00	2.4	Attained
5	Develop PL/SQL programs using procedures, functions, packages, and triggers for achieving modularization in specific application.	3	3.00	3.00	2.4	Attained
Final CO				2.96	2.4	Attained

Action Taken:

Through laboratory sessions, students gained practical exposure to PL/SQL programming features, including control structures, cursors, and collection data types, thereby enhancing their programming skills and achieving the desired learning outcome.


Faculty


HOD



CO ATTAINMENT ACTION TAKEN REPORT

Program: M. Tech.

Course Name: RESEARCH METHODOLOGY & IPR

Course Code: 2211234

Course Coordinator: MIRZA SUBHAN BAIG

Year / Sem: I-I

Academic Year: 2022-2023

Regulation: MLRS-R22

Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Make use of different approaches for solving research problems, including methods for data collection, analysis, and interpretation.	3.00	2.00	2.8	2.10	Attained
2	Design a research framework with appropriate methods for data collection, analysis, and interpretation for addressing a chosen research issue.	3.00	2.00	2.8	2.10	Not Attained
3	Analyze literature effectively while avoiding plagiarism and adherence to research ethics.	3.00	3.00	3.00	2.10	Not Attained
4	Identify a research problem, its sources, scope, objectives, and characteristics.	3.00	3.00	3.00	2.10	Not Attained
5	Illustrate the impact of IPR protection on the development of new products and its role in driving economic and social benefits using real-world examples.	2.40	3.00	2.52	2.10	Not Attained
Final CO				2.82	2.10	Not Attained

Action Taken:

1. Students will be trained to develop research designs and select suitable methodologies for problem-solving.
2. Seminars and presentations will be conducted to demonstrate the significance of Intellectual Property Rights (IPR) through practical examples..



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CO ATTAINMENT ACTION TAKEN REPORT

Program: M. Tech.

Course Name: SOFTWARE QUALITY ENGINEERING

Course Code: 2215804

Course Coordinator: DR.ALURI BRAHMA REDDY

Year / Sem : I-I

Academic Year: 2022-2023


Regulation: MLRS-R22

Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Analyze different perspectives and frameworks of software quality (including ISO-9126) and their role in identifying, measuring, and improving correctness and defect properties in software systems.	3.00	3.00	3.00	2.10	Attained
2	Evaluate techniques for defect prevention, reduction, and containment within software quality assurance for improving fault tolerance, safety, and risk management.	3.00	3.00	3.00	2.10	Attained
3	Formulate quality planning strategies, assess software processes, and propose improvements through quality engineering practices.	3.00	3.00	3.00	2.10	Attained
4	Develop and manage effective test strategies through planning, execution, measurement, and automation of test activities for ensuring software quality and reliability.	3.00	3.00	3.00	2.10	Attained
5	Apply coverage and usage-based testing techniques, including operational profile construction, for evaluating and improving the reliability of software systems through case studies.	3.00	3.00	3.00	2.10	Attained
		Final CO		2.82	2.10	Attained

Action Taken:

1. Lectures and case study discussions were conducted to explain software quality frameworks (including ISO-9126) and their role in identifying, measuring, and improving software correctness and defect properties.


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CO ATTAINMENT ACTION TAKEN REPORT

Program : M. Tech.

Course Name: DISASTER MANAGEMENT

Course Code: 2215856

Course Coordinator: Ms BUSARAJU LAVANYA

Year / Sem: I-I

Academic Year: 2022-2023

Regulation: MLRS-R22

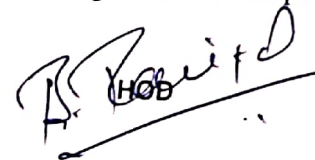
Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Analyze causes and impacts of different types of disasters for developing effective mitigation strategies.	3.00	2.00	2.8	2.10	Attained
2	Evaluate disaster management policies and frameworks for recommending improvements in local and national disaster response systems.	3.00	2.00	2.8	2.10	Attained
3	Design disaster response plans tailored for various natural and man-made disasters for ensuring efficient resource allocation.	3.00	2.00	2.8	2.10	Attained
4	Demonstrate the use of early warning systems and technology in disaster prediction and community awareness programs.	3.00	2.00	2.8	2.10	Attained
5	Implement disaster recovery and rehabilitation procedures for restoring affected communities and infrastructure effectively.	3.00	3.00	3.00	2.10	Attained
Final CO				2.9	2.10	Attained

Action Taken:

1. Lectures and case studies were used to understand disaster causes, impacts, and mitigation measures.
2. Workshops and demonstrations highlighted the role of early warning systems and modern technologies in disaster preparedness and awareness.


Faculty


HOB



CO ATTAINMENT ACTION TAKEN REPORT

Program : M.Tech.
Course Name: MACHINE LEARNING
Course Code : 2225805
Course Coordinator : DR T.S SRINIVAS


Year / Sem : I-II
Academic Year : 2022-2023
Regulation : MLRS-R22
Section : A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Analyze supervised and unsupervised learning paradigms for applying concept learning and decision tree algorithms for designing intelligent learning systems.	2.4	2.00	2.32	2.10	Attained
2	Compare supervised and unsupervised learning and develop intelligent systems using concept learning and decision trees.	2.4	3.00	2.52	2.10	Attained
3	Apply Bayesian learning methods and computational learning theory principles to design and evaluate probabilistic classifiers for text and other data domains.	3.00	2.00	2.8	2.10	Attained
4	Make use of genetic algorithms, rule-learning systems, and reinforcement learning models for optimizing search, decision-making, and learning tasks in complex problem domains.	2.4	2.00	2.32	2.10	Attained
5	Integrate analytical and inductive learning approaches for developing intelligent systems that leverage prior knowledge for hypothesis formation and search optimization.	2.4	2.00	2.32	2.10	Attained
			Final CO	2.46	2.10	Attained

Action Taken:

1. Activities were designed and implemented to integrate analytical and inductive learning approaches for developing intelligent systems using prior knowledge and hypothesis generation techniques, thereby achieving the desired outcome.
2. Real-world problem statements were provided to encourage application-oriented learning and model development, thereby achieving the desired outcome.


Faculty


HOD



CO ATTAINMENT ACTION TAKEN REPORT

Program: M. Tech.
Course Name: CONSTITUTION OF INDIA
Course Code: 2220008
Course Coordinator: SHAIK FIROZ KHAN

Year / Sem: I-II
Academic Year: 2022-2023
Regulation: MLRS-R22
Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Understand the historical background and significance of the Indian Constitution.	3.00	2.00	2.8	2.10	Attained
2	Explain the structure, features, and salient principles of the Indian Constitution.	3.00	2.00	2.8	2.10	Attained
3	Analyze the fundamental rights and duties of Indian citizens and their impact on society.	3.00	3.00	3.00	2.10	Attained
4	Evaluate the roles and powers of the different organs of government under the Constitution.	3.00	1.00	2.6	2.10	Attained
5	Interpret landmark judgments and amendments that have shaped the evolution of the Indian Constitution.	3.00	3.00	3.00	2.10	Attained
			Final CO	2.84	2.10	Attained

Action Taken:

1. Interactive classroom sessions has organized to examine the functions and powers of the legislature, executive, and judiciary.
2. Case studies and group activities has conducted to help students understand fundamental rights, duties, and their societal relevance.

Shaik Firoz Khan
Faculty

T.S. Rao
HOD



CO ATTAINMENT ACTION TAKEN REPORT

Program : M.Tech.

Course Name : ADVANCED ALGORITHMS

Course Code : 2225804

Course Coordinator : DR. SABHAVAT PRATAP SINGH

Year / Sem : I-II

Academic Year : 2022-2023

Regulation : MLRS-R22

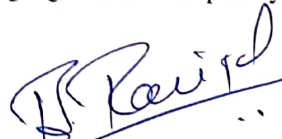
Section : A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Apply suitable sorting and graph traversal algorithms for solving computational problems.	1.80	2.00	1.84	2.10	Not Attained
2	Compare the correctness and efficiency of greedy algorithms for matroids and augmenting path-based algorithms.	1.20	3.00	1.56	2.10	Not Attained
3	Analyse the correctness of the Max flow-Mincut theorem and flow algorithms, and examine the computational complexity of matrix operations under the divide-and-conquer paradigm.	1.80	2.00	1.84	2.10	Not Attained
4	Apply dynamic programming techniques such as the Floyd-Warshall algorithm for solving shortest path problems, and use modular arithmetic for computational problem solving.	1.80	2.00	1.84	2.10	Not Attained
5	Evaluate efficiency and scalability of recently proposed searching and sorting techniques and modern data structures when applied to large-scale computational problems.	1.80	3.00	2.04	2.10	Not Attained
		Final CO		1.82	2.10	Attained

Action Taken:

1. Comparative analysis assignments will be given to evaluate the correctness and efficiency of greedy algorithms for matroids and augmenting path-based algorithms.
2. Students will be guided to understand the correctness of flow algorithms and the Maxflow-Min Cut theorem while evaluating algorithmic complexity through divide-and-conquer methods.


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CO ATTAINMENT ACTION TAKEN REPORT

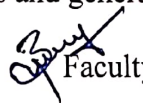
Program: M.Tech.
Course Name: ROBOTIC PROCESS AUTOMATION
Course Code: 2225824
Course Coordinator: DR.ALURI BRAHMA REDDY

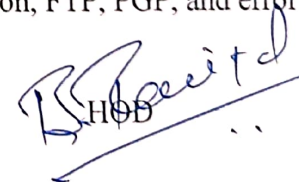
Year / Sem : I-II
Academic Year: 2022-2023
Regulation: MLRS-R22
Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Demonstrate usage of automation in enterprise platforms for creating bots based on typical RPA use cases.	3.00	2.00	2.80	2.10	Attained
2	Explore and navigate the Web Control Room and Client interface, including dashboard components, task activities, both management, and credential handling.	3.00	2.00	2.80	2.10	Attained
3	Analyze and manage device configurations, workload queues, audit logs, and administrative settings within the Web Control Room, including API exposure and client setup.	2.40	2.00	2.32	2.10	Attained
4	Apply bot development techniques with recorders, task editors, and command libraries for efficiently automating business processes.	3.00	2.00	2.80	2.10	Attained
5	Implement advanced functionalities using specialized commands such as PDF integration, FTP, PGP, error handling, and design workflows and reports for end-to-end automation.	3.00	2.00	2.80	2.10	Attained
Final CO				2.70	2.10	2.10

Action Taken:

1. Bot development activities were performed using recorders, task editors, and command libraries to automate business processes efficiently.
2. Advanced automation tasks were implemented using specialized commands such as PDF integration, FTP, PGP, and error handling, along with designing workflows and generating reports for end-to-end automation.


Faculty


HOD



CO ATTAINMENT ACTION TAKEN REPORT

Program : M.Tech.
Course Name : ADVANCED COMPUTER NETWORKS
Course Code : 2225820
Course Coordinator : DR. MEDIKONDA VENKATA REDDY

Year / Sem : I-II
Academic Year : 2022-2023
Regulation : MLRS-R22
Section : A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Apply data-link protocols, wireless standards, and routing algorithms for designing efficient communication networks.	3.00	2.00	2.8	2.10	Attained
2	Analyze transport layer protocols such as TCP, UDP, and congestion control mechanisms for ensuring reliable data transmission.	3.00	2.00	2.8	2.10	Attained
3	Implement client-server applications using socket programming and evaluate network monitoring tools for studying packet flow and routing techniques.	3.00	2.00	2.8	2.10	Attained
4	Examine wireless technologies such as CDMA, Wi-Fi, and mobility management principles for addressing challenges in mobile communication.	3.00	3.00	3.00	2.10	Attained
5	Configure multimedia networking applications such as video streaming and VoIP using real-time communication protocols.	3.00	2.00	2.8	2.10	Attained
		Final CO		2.84	2.10	Attained

Action Taken:

1. Lectures and demonstrations on data-link protocols, wireless standards, and routing algorithms were conducted to design efficient communication networks, thereby achieving the desired outcome.
2. Assignments were organized to study transport layer protocols (TCP, UDP) and congestion control mechanisms for reliable data transmission, thereby achieving the desired outcome.



CO ATTAINMENT ACTION TAKEN REPORT

Program : M.Tech.

Course Name: ADVANCED COMPUTER NETWORKS LAB

Course Code: 2225837

Course Coordinator: DR. MEDIKONDA VENKATA REDDY

Year / Sem : I-II

Academic Year : 2022-2023

Regulation: MLRS-R22

Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Implement and analyze core network layer mechanisms such as IP fragmentation, reassembly and forwarding.	3.00	2.00	2.8	2.40	Attained
2	Simulate and evaluate transport layer mechanisms such as TCP sliding window protocol for reliable data transfer.	3.00	2.00	2.8	2.40	Attained
3	Configure, connect, and troubleshoot systems using switches and private IP addressing, and verify connectivity using diagnostic tools.	3.00	1.00	2.6	2.40	Attained
4	Apply network packet capturing tools (e.g., wire shark) to analyze TCP/IP protocol behavior, including headers, three-way handshake and session teardown.	3.00	3.00	3.00	2.40	Attained
5	Evaluate application layer protocol interactions (HTTP, Telnet) by measuring response times, connection setup and packet exchange through packet-captures	3.00	3.00	3.00	2.40	Attained
Final CO				2.84	2.40	Attained

Action Taken:

1. Laboratory experiments were conducted to implement and analyze network layer mechanisms such as IP fragmentation, reassembly, and packet forwarding.
2. Hands-on lab sessions were conducted to configure, connect, and troubleshoot network systems using switches and private IP addressing, along with verification using diagnostic tools (ping, trace route).



CO ATTAINMENT ACTION TAKEN REPORT

Program : M.Tech.

Course Name : ADVANCED ALGORITHMS LAB

Course Code : 2225835

Course Coordinator : DR. SABHAVAT PRATAP SINGH

Year / Sem : I-II

Academic Year : 2022-2023

Regulation : MLRS-R22

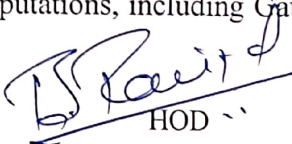
Section : A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Apply algorithmic techniques such as brute force, greedy methods, divide-and-conquer, and dynamic programming for implementing solutions for classical problems like assignment, knapsack, and long integer multiplication.	3.00	3.00	3.00	2.40	Attained
2	Make use of numerical methods and matrix computations, including Gaussian elimination, LU decomposition, and Warshall's algorithm, for solving linear systems and determine transitive closures in graphs.	3.00	3.00	3.00	2.40	Attained
3	Analyze string-matching algorithms (Rabin-Karp, KMP, Horspool) and graph algorithms (max-flow) for determining correctness, efficiency, and computational complexity.	3.00	2.00	2.8	2.40	Attained
4	Evaluate the performance trade-offs of different algorithmic approaches (brute force vs. greedy vs. divide-and-conquer) in terms of time, space, and suitability for specific problem scenarios.	3.00	1.00	2.6	2.40	Attained
5	Implement algorithms for measuring their runtime behavior on sample inputs for comparison with theoretical expectations.	3.00	2.00	2.8	2.40	Attained
		Final CO		2.84	2.40	Attained

Action Taken:

1. Laboratory sessions and practical assignments were carried out to implement numerical methods and matrix computations, including Gaussian elimination, LU decomposition, and Warshall's algorithm for solving linear systems and graph-related problems.

Faculty


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CO ATTAINMENT ACTION TAKEN REPORT

Program : M. Tech.

Course Name: MINI PROJECT WITH SEMINAR

Course Code: 2225839

Course Coordinator: KANAMALA SURESH

Year / Sem : I-II

Academic Year: 2022-2023

Regulation: MLRS-R22

Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Apply advanced technical knowledge for identifying and formulating a research problem relevant to the field of study.	3.00	3.00	3.00	2.40	Attained
2	Analyze existing literature and methodologies for designing an effective solution or prototype addressing the project objectives.	3.00	2.00	2.8	2.40	Attained
3	Implement algorithms, models, or systems using appropriate tools and technologies for solving the identified problem.	3.00	3.00	3.00	2.40	Attained
4	Evaluate the performance and outcomes of the implemented solution through testing, validation, and critical assessment.	3.00	2.00	2.8	2.40	Attained
5	Communicate the project findings clearly and effectively through well-structured reports and presentations.	3.00	2.00	2.8	2.40	Attained
		Final CO		2.88	2.40	Attained

Action Taken:

1. Guidance sessions and discussions were conducted to help students for applying advanced technical knowledge in identifying and formulating relevant research problems.
2. Literature review activities and methodology analysis were carried out to design effective solutions or prototypes aligned with project objectives.
3. Implementation of algorithms, models, or systems was completed using appropriate tools and technologies to address the identified problems.
4. Continuous evaluation was carried out through project reviews, progress assessments, and feedback sessions to ensure attainment of course outcomes.

Suresh
Faculty

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CO ATTAINMENT ACTION TAKEN REPORT

Program : M. Tech.

Course Name: DISSERTATION WORK REVIEW-I

Course Code: 2234004

Course Coordinator: DR. SABHAVAT PRATAP SINGH

Year / Sem: II-I

Academic Year: 2023-2024

Regulation: MLRS-R22

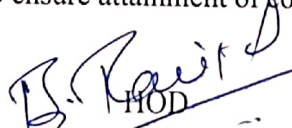
Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Formulate precise research objectives and project scope based on current trends and challenges in the real world applications.	3.00	2.00	2.8	2.40	Attained
2	Conduct a thorough literature survey using scholarly databases for identifying gaps and justifying the proposed research problem.	3.00	2.00	2.8	2.40	Attained
3	Apply advanced algorithms, data structures, or software development methodologies relevant for the project domain.	3.00	3.00	3.00	2.40	Attained
4	Demonstrate effective technical communication skills through well-organized project presentations and documentation.	3.00	2.00	2.8	2.40	Attained
5	Evaluate project progress, anticipate potential challenges, and propose viable solutions for successful project completion.	3.00	3.00	3.00	2.40	Attained
Final CO				2.88	2.40	Attained

Action Taken:

1. Technical communication skills were developed through structured report writing, documentation, and formal project presentations.
2. Regular project reviews and progress evaluations were conducted to monitor development, identify potential challenges, and propose suitable solutions for successful completion.
3. Continuous assessment through project reports, presentations, and viva voce examinations was carried out to ensure attainment of course outcomes.


Faculty


HOD



CO ATTAINMENT ACTION TAKEN REPORT

Program : M. Tech.
Course Name: FUNDAMENTALS OF NANO TECHNOLOGY
Course Code: 2235503
Course Coordinator: B.N.SRINIVAS

Year / Sem: II-I
Academic Year: 2023-2024
Regulation: MLRS-R22
Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Describe the key features of CISC, RISC, and DSP instruction set architectures (ISAs) and their implementation in VLSI chip design.	2.40	1.00	2.12	2.10	Attained
2	Analyze various scheduling and resource allocation strategies used in DSP architecture implementation for optimizing performance and resource utilization.	2.40	2.00	2.32	2.10	Attained
3	Differentiate DSP instruction set implementations and architectures.	3.00	3.00	3.00	2.10	Attained
4	Demonstrate interfacing of a peripheral via a specific bus.	1.80	3.00	2.04	2.10	Not Attained
5	Illustrate aspects of nano science, technology and their applications in the real time environment.	1.80	0.00	1.36	2.10	Attained
Final CO				2.88	2.10	Attained

Action Taken:

- Lectures and demonstrations will be conducted to explain the key features of CISC, RISC, and DSP instruction set architectures and their implementation in VLSI chip design to ensure attainment of the outcome.

Srinivas
Faculty

B. N. Srinivas
HOD



MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

CO ATTAINMENT ACTION TAKEN REPORT

Program: M. Tech.

Course Name: HIGH PERFORMANCE COMPUTING

Course Code: 2235826

Course Coordinator: DR M.VENKAT REDDY

Year / Sem: II-I

Academic Year: 2023-2024

Regulation: MLRS-R22

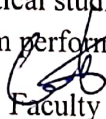
Section: A/

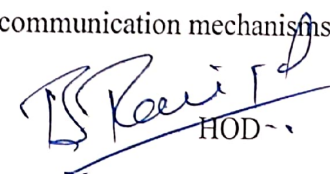
Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Apply the principles of data and computational grids along with autonomic computing for designing effective distributed computing solutions.	2.40	2.00	2.32	2.10	Attained
2	Analyze cluster architectures, middleware, and lightweight communication mechanisms for assessing their influence on system performance and scalability.	3.00	3.00	3.00	2.10	Attained
3	Evaluate various job scheduling and resource management strategies for enhancing efficiency in cluster-based high-performance computing.	1.8	2.00	1.84	2.10	NOT Attained
4	Integrate hardware, software, and human-machine interfaces for developing practical applications in pervasive and ubiquitous computing environments.	2.4	3.00	2.52	2.10	Attained
5	Create quantum circuits using one-, two-, and three-qubit gates for implementing algorithms for solving complex computational problems.	2.4	2.00	2.32	2.10	Attained
Final CO				2.40	2.10	Attained

Action Taken:

1. Lectures and practical sessions were conducted to apply principles of data and computational grids along with autonomic computing for designing distributed computing solutions.

2. Analytical studies and assignments were carried out to examine cluster architectures, middleware, and lightweight communication mechanisms, assessing their impact on system performance and scalability.


Faculty


HOD



CO ATTAINMENT ACTION TAKEN REPORT

Program : M.Tech.
Course Name : DISSERTATION VIVA-VOCE
Course Code : 2245847
Course Coordinator : DR. SABHAVAT PRATAP SINGH

Year / Sem : II-II
Academic Year : 2023-2024
Regulation : MLRS-R22
Section : A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Demonstrate in-depth understanding of the subject matter through oral communication.	3.00	3.00	3.00	2.40	Attained
2	Effectively articulate key concepts, theories, and practical applications related to the course.	3.00	2.00	2.80	2.40	Attained
3	Apply critical thinking and problem-solving skills through accurate responses during spontaneous questions.	3.00	2.00	2.80	2.40	Attained
4	Exhibit confidence and clarity in verbal expression and presentation skills.	3.00	3.00	3.00	2.40	Attained
5	Engage in professional and technical discourse, justifying answers with evidence and logical reasoning.	3.00	2.00	2.80	2.40	Attained
Final CO				2.88	2.40	Attained

Action Taken:

1. Regular viva voce sessions and oral examinations were conducted to assess and enhance students' in-depth understanding of the subject.
2. Students were encouraged to present key concepts, theories, and practical applications through seminars and presentations.
3. Interactive questioning sessions were conducted to develop critical thinking and problem-solving abilities by responding to spontaneous questions.



CO ATTAINMENT ACTION TAKEN REPORT

Program : M.Tech.

Course Name : DISSERTATION WORK REVIEW-II

Course Code: 2245846

Course Coordinator: DR. SABHAVAT PRATAP SINGH

Year / Sem : II-II

Academic Year : 2023-2024

Regulation: MLRS-R22

Section: A/

Course Outcome	CO-Statement	CIE + SEE(a)	CES (d)	Final CO Attained	Target	Remarks
1	Demonstrate the ability in implementing and integrating advanced techniques and algorithms for developing the core components of the project.	3.00	2.00	2.80	2.40	Attained
2	Evaluate the performance and effectiveness of the developed solution through rigorous testing and validation.	3.00	2.00	2.80	2.40	Attained
3	Identify and troubleshoot technical issues, applying problem-solving skills for optimizing project deliverables.	3.00	1.00	2.60	2.40	Attained
4	Prepare comprehensive project documentation, including design details, test results, and technical reports.	3.00	2.00	2.80	2.40	Attained
5	Effectively communicate the final project outcomes and defend the research methodology and results during presentations and reviews.	3.00	2.00	2.80	2.40	Attained
			Final CO	2.76	2.40	Attained

Action Taken:

1. Technical communication skills were developed through structured report writing, documentation, and formal project presentations.
2. Regular project reviews and progress evaluations were conducted to monitor development, identify potential challenges, and propose suitable solutions for successful completion.
3. Continuous assessment through project reports, presentations, and viva voce examinations was carried out to ensure attainment of course outcomes.