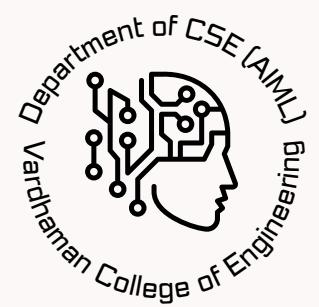
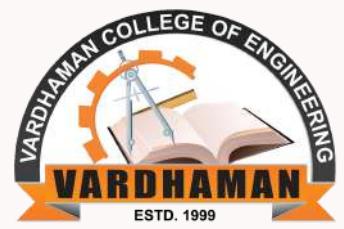




CSM SPOTLIGHT

Illuminating Excellence

Department of CSE(AI&ML)



Fourth Edition
2023-2024

VARDHAMAN COLLEGE OF ENGINEERING

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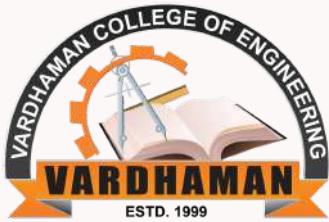


Department Profile



The Department CSE(AI&ML) offers a 4 - Year B.Tech Undergraduate program in Computer Science & Engineering with a specialization in Artificial Intelligence & Machine Learning. The program is designed to equip students with technical proficiency in the emerging field of Artificial Intelligence. The primary focus of this undergraduate program is to enhance students' technical skills and expertise in implementing and deploying AI & ML solutions for real-world applications. This undergraduate program empowers students to design and develop intelligent systems and applications capable of learning and adapting to changing environments. The curriculum is comprehensive, providing hands-on experience, research opportunities, and industry collaboration, making it an appealing choice for those aspiring to pursue a career in AI and ML.

The program provides exposure to hands-on technologies for creating applications and solutions that address real-world challenges. With the significant growth in data and its applications, a career in AI & ML offers promising opportunities as a Business Intelligence Developer, Data Scientist, Machine Learning Engineer, AI Data Analyst, AI Engineer, and more. Graduates with a specialization in AI & ML have been recruited by reputable industries such as Microsoft, Amazon, Goldman Sachs, Oracle GBU, Cisco, Dell Technologies, Accenture, Ezappsolution, among others.



VISION

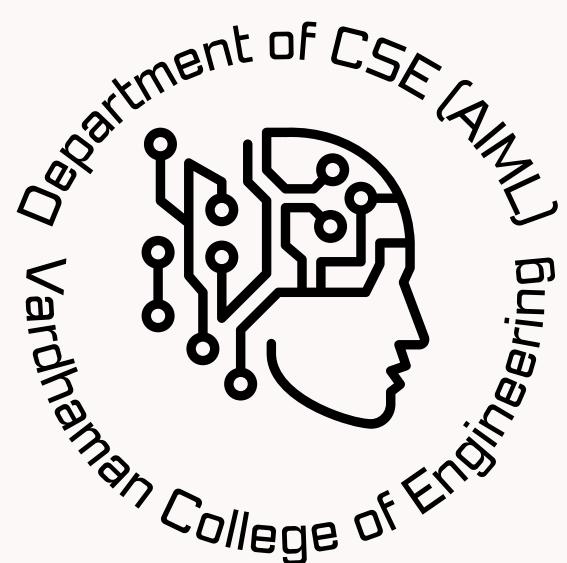
To be a premier center of excellence with research in artificial intelligence through unique interdisciplinary partnerships and positive contribution to the community, organizations and society as a whole.

MISSION

To impart knowledge in cutting edge Artificial Intelligence technologies in par with industrial standards.

To collaborate with industry to uplift innovative research and development in Artificial Intelligence and Machine Learning and its allied fields to serve the needs of society.

To produce successful Computer Science and Engineering graduates with a specialization in AI/ML with personal and professional responsibilities and commitment to lifelong learning.



Programme Educational Objectives

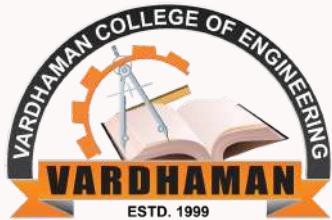
PEO1: Graduates will have the ability to adapt, contribute and innovate new technologies and systems in the key domains of Artificial Intelligence and Machine Learning.

PEO2: Graduates will be able to successfully pursue higher education in reputed institutions with AI Specialization.

PEO3: Graduates will have the ability to explore research areas and produce outstanding contribution in various areas of Artificial Intelligence and Machine Learning.

PEO4: Graduates will be ethically and socially responsible solution providers and entrepreneurs in the field of Computer Science and Engineering with AI/ML Specialization.

PRINCIPAL'S ADDRESS



As the head of Vardhaman College of Engineering, it is my privilege to write this foreword for the "CSM - Spotlight," the magazine of the Department of Computer Science and Engineering (AI & ML). Since its establishment in 2020, the department has set a high standard of excellence in education and research. The rapid progress and achievements of the department in such a short span of time are truly remarkable and reflect the dedication of the faculty and students alike.

Artificial Intelligence and Machine Learning are among the most transformative technologies of our time, with applications that span across virtually every industry. The Department of Computer Science and Engineering (AI & ML) has been quick to recognize the importance of these fields and has worked tirelessly to create an environment that nurtures innovation, critical thinking, and practical problem-solving skills. The department's efforts in this regard have been commendable and have positioned Vardhaman College of Engineering as a leader in engineering education.

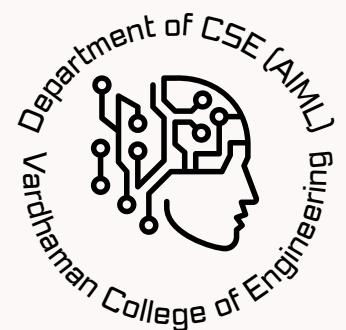
The faculty of this department deserves special recognition for their commitment to continuous learning and professional development. Through a series of faculty development programs, they have ensured that they remain at the cutting edge of technological advancements. These programs not only enhance the teaching capabilities of our faculty but also enrich the overall academic environment of the institution. The department's focus on staying current with industry trends and research developments is a testament to its dedication to providing our students with a world-class education.

On the student front, the department has been equally proactive. Recognizing that the key to success in today's competitive world lies in a well-rounded education, the department has organized numerous student development programs. These initiatives have provided our students with the opportunity to develop both their technical and soft skills, preparing them to excel in a rapidly changing technological landscape. The department's efforts in organizing workshops, seminars, and hackathons have been particularly noteworthy, as they have provided our students with invaluable opportunities to collaborate, innovate, and grow.

As the head of Vardhaman College of Engineering, I am extremely proud of the achievements of the Department of Computer Science and Engineering (AI & ML). The success of this department is a result of the combined efforts of the faculty, students, and staff, all of whom have worked tirelessly to ensure that our institution remains at the forefront of engineering education.

I would like to extend my heartfelt congratulations to the editorial team of "CSM - Spotlight" and to all those who contributed to this wonderful publication. I am confident that this magazine will serve as a source of inspiration and a valuable resource for the entire academic community. I look forward to seeing the continued success of the Department of Computer Science and Engineering (AI & ML) and the positive impact it will have on the world.

**Dr. JVR Ravindra
Principal,
Vardhaman College of Engineering.**



HEAD OF THE DEPARTMENT's ADDRESS

We are delighted to announce the release of the 4th Edition of newsletter for the Department of CSE (AI&ML). This newsletter will serve as a platform to highlight our department's achievements, activities organized, research breakthroughs, and upcoming events. It reflects our commitment to excellence in education, research, and industry collaboration. We prepare our students for a future where AI and ML are pivotal to success. By teaching, nurturing, and training them, we aim to develop formidable engineers capable of identifying, defining, and solving complex problems in AI domain. Utilizing state-of-the-art technology, our graduates contribute to transforming society and the world into a seamlessly connected ecosystem.

We look forward to your contributions and feedback as we continue to advance in the exciting field of AI and ML.

Dr. M. A. Jabbar
Head of the Department, CSE(AI&ML)

FACULTY AND STUDENT GALLERY



Faculty Gallery: Celebrating Our Guiding Lights

Our Faculty Gallery honors the esteemed professors of the CSM department, showcasing their academic backgrounds, groundbreaking research, innovative teaching methods, and professional achievements. Get to know the mentors who inspire and lead us with dedication and passion.

Student Gallery: Showcasing Our Stars

The Student Gallery shines a spotlight on our talented students, highlighting their academic excellence, creative projects, and active involvement in clubs and competitions. Explore inspiring personal stories, opinion pieces, and alumni success tales, celebrating the vibrant spirit and accomplishments of our CSM community.

Faculty of CSE(AI&ML)



Dr. M. A. Jabbar
Professor
Head of the Department



Dr. R. Karthikeyan
Professor



Dr. V. Venkata Appaji
Professor



Dr. Balaji Vuppala
Associate Professor



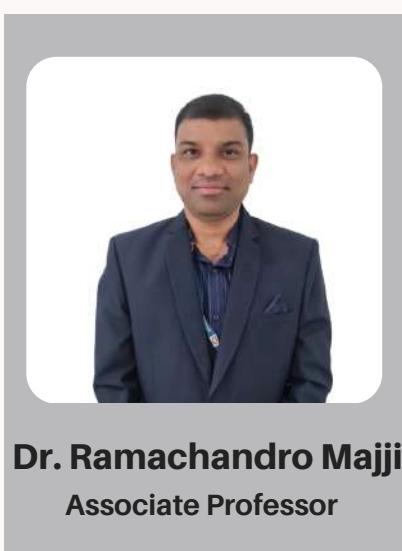
Dr. Prakash Kumar Sarangi
Associate Professor



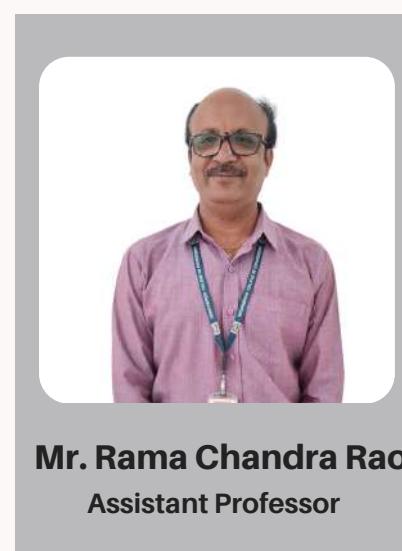
Dr. P. Pavan Kumar
Associate Professor



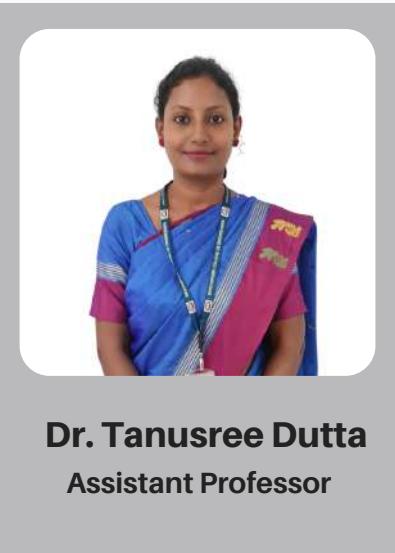
Mr. Abhishek Dixit
Associate Professor



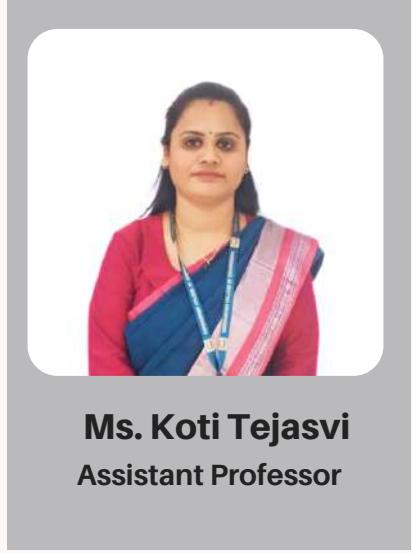
Dr. Ramachandro Majji
Associate Professor



Mr. Rama Chandra Rao
Assistant Professor



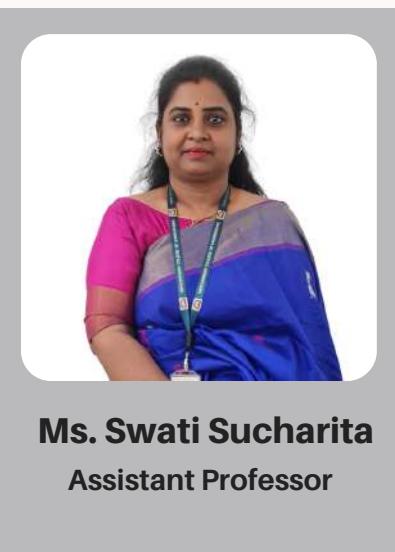
Dr. Tanusree Dutta
Assistant Professor



Ms. Koti Tejasvi
Assistant Professor



Mr. Prajwal Yashasvi
Assistant Professor



Ms. Swati Sucharita
Assistant Professor



Mr. Ch Amarendar Reddy
Assistant Professor



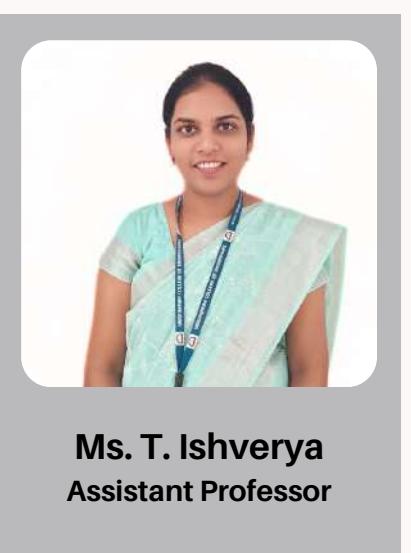
Mr. Md. Manzoor
Assistant Professor



Mr. Anudeep Meda
Assistant Professor



Mr. N S S S Girish Kumar
Assistant Professor



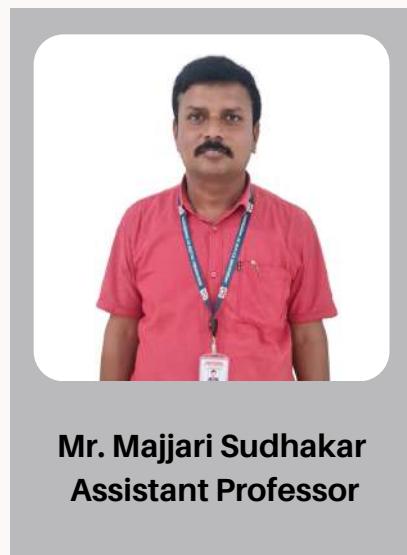
Ms. T. Ishverya
Assistant Professor



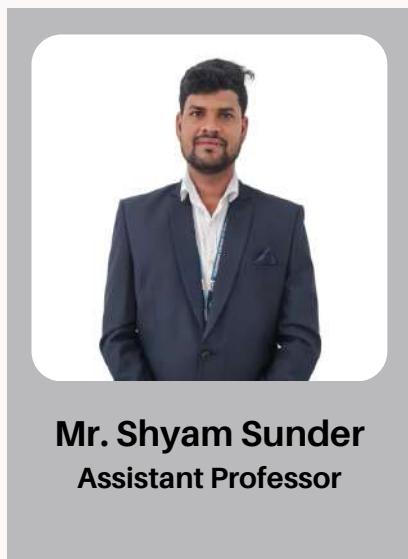
Ms. Budavarapu Pravallika
Assistant Professor



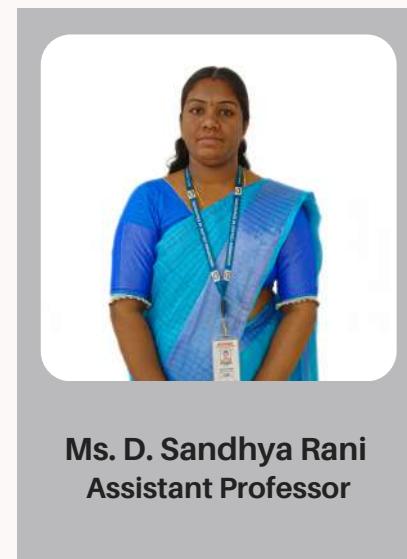
Mr. Allamaprabhu Swamy
Assistant Professor



Mr. Majjari Sudhakar
Assistant Professor



Mr. Shyam Sunder
Assistant Professor



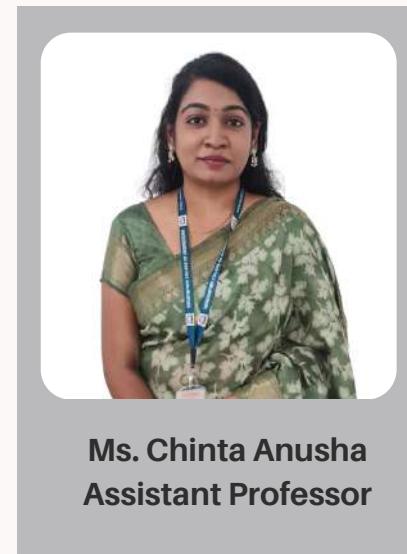
Ms. D. Sandhya Rani
Assistant Professor



Ms. Shaista Farhat
Assistant Professor



Mr. Yogash Joshi
Assistant Professor



Ms. Chinta Anusha
Assistant Professor



Ms. R. Bhavani
Assistant Professor



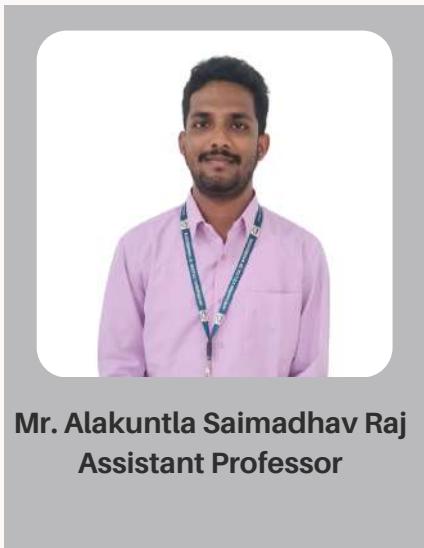
Mr. Alakuntla Rajashekhar
Assistant Professor



Ms. B. Vijaylaxmi
Assistant Professor



Ms. Gandhari Manasa
Assistant Professor



Mr. Alakuntla Saimadhav Raj
Assistant Professor



Ms. Uma Maheshwari
Assistant Professor



Ms. B N Jyothi
Research Scholar

Non - Teaching Faculty



Ms. T. Bhargavi
Lab Programmer



Ms. M. Sri Rangalakshmi
Lab Programmer



Mr. Pakirappa
DTP Operator

Student Gallery

CLASS OF 2024



BATCH OF 2020 – 2024

FIRST BATCH OF CSE(AI&ML)

Congratulations !!

Batch of 2021 - 2025



A – Section



B – Section



C – Section

Batch of 2022 - 2026



A – Section



B – Section



C – Section

Batch of 2023 - 2027



A – Section



B – Section



C – Section

STUDENT LEADERBOARD



The rankings on this leaderboard are carefully determined, considering both cumulative and semester grade point averages (CGPAs and SGpas) across all sections of our undergraduate programs. This thorough process ensures that every aspect of a student's academic journey is recognized, whether it's consistent performance over time or standout achievements in individual semesters. By highlighting these accomplishments, we celebrate the hard work, dedication, and perseverance of our top achievers, and we emphasize the importance of maintaining high standards throughout their education.

Recognizing academic success is more than just giving credit—it's a way to acknowledge the countless hours of effort and commitment these students put in. This recognition not only rewards their achievements but also motivates them to continue pushing forward and striving for even greater heights in the future. Beyond that, it sets a positive example for others, showing them what's possible when you dedicate yourself to your studies.

Seeing peers celebrated for their academic excellence can be a powerful source of inspiration for other students. It encourages everyone in the department to aim higher and work harder, fostering a culture where success is both celebrated and pursued by all. The leaderboard isn't just about those at the top; it's about creating an environment where every student is encouraged to reach their full potential.

This focus on academic achievement also reflects our department's commitment to supporting student success. It's a testament to the strength of our curriculum, which challenges students to excel, and to our faculty, who are dedicated to guiding and mentoring them along the way. By combining a rigorous academic program with a supportive learning environment, we enable our students to thrive and achieve remarkable things.



**Third Year
I Semester**

**Second Year
I Semester**



**First Year
I Semester**

B. Tech I Year I Semester Toppers

SECTION	ROLL NUMBER	NAME OF THE STUDENT	CGPA/SGPA	RANK
A	23881A6623	HANUMAKONDA ARYAN	9.8	I
	23881A6637	KOTAGIRI VYSHVIKA	9.8	I
	23881A6639	KOTTAM ESHWAR REDDY	9.75	II
	23881A6606	ANUMANDLA DHRUVAJA REDDY	9.55	III
	23881A6627	KANDUKURI PRAHARSHA	9.55	III
	23881A6631	KOMARA SATHVIKA	9.55	III
B	23881A6670	BHAVANI SRI AKSHITHA	10	I
	23881A6668	BACHU VINITHA	9.95	II
	23881A66	KESARAM SNIGDHA REDDY	9.95	II
	23881A66	KOTHAKAPU AKSHAYA REDDY	9.95	II
	23881A66	PUNNA BHARGAVI	9.95	II
	23881A6682	KASAM SAKETH	9.8	III

B. Tech I Year I Semester Toppers

SECTION	ROLL NUMBER	NAME OF THE STUDENT	CGPA/SGPA	RANK
C	23881A6686	KETHIREDDYPALLY VAMSHI	9.8	III
	23881A66B6	SHAIK MUSKAN	9.8	III
C	23881A66D6	BUMANDALA RAJASHEKAR	10	I
	23881A66E1	DEVIREDDY DEDEEPYA	10	I
	23881A66F7	KOTI SWETHA	10	I
	23881A66E3	GANGARAM NANDINI	9.95	II
	23881A66D0	ANNADEVARA HEMASRI	9.85	III
	23881A66F8	KURVA DHANUSHA	9.85	III

B. Tech II Year I Semester Toppers

SECTION	ROLL NUMBER	NAME OF THE STUDENT	CGPA/SGPA	RANK
A	22881A6653	SHANIIGARAPU ABHINAV	9.6	I
	22881A6623	EDUPUGANTI SAI VENAKATA BHAVANI	9.55	II
	22881A6624	GOLLA SANTHOSH KUMAR	9.55	II
	22881A6643	MOOSA UDAY KUMAR	9.5	III
B	23881A66	BANDI ASHOK	9.65	I
	23881A6682	PACHAVA SRNATH	9.65	I
	23881A6686	PENDYALA SRINATH	9.65	I
	23881A66B6	KAMMARI SREEJA	9.45	II
	22881A66C1	SHAIK MAHABOOB BASHA	9.35	III
C	22881A66G1	KUNTLA SRIVIDYA	10	I
	22881A66D4	BEETHUKURU MADHAVAN	9.75	II
	22881A66G0	KUMMARI HOSMITHA	9.75	II
	22881A66D8	CHIDIRE SREEJA	9.65	III
	22881A66K1	YALAMADDI OM VARSHINI	9.65	III

B. Tech III Year I Semester Toppers

SECTION	ROLL NUMBER	NAME OF THE STUDENT	CGPA/SGPA	RANK
A	21881A6617	CHALLA POOJITHA VENAKATA SAI	9.5	I
	21881A6624	EGA PRIYANKA	9.34	II
	21881A6633	KASAM LAXMI SRINA	9.29	III
B	21881A6691	KALAM SUJITH REDDY	9.32	I
	21881A66A0	LONKA MAHAJAN	9	II
	21881A6680	EROTHU SAI KUMAR	8.95	III
	21881A6621	ERUMALLA SAITEJA	8.95	III
	21881A6699	LANDA KRATHI KUMAR	8.95	III
C	21881A66H1	PATHLAVATH DIVYA	9.45	I
	21881A66K4	YENAGANTI SAISHA	9.27	II
	21881A66J2	SINGIREDDY HASINI	9	III

B. Tech IV Year II Semester Toppers

SECTION	ROLL NUMBER	NAME OF THE STUDENT	CGPA/SGP A	RANK
A	20881A6620	Gelivi Sai Chaitanya	9.66	I
	20881A6627	Karampuri Anuhya	9.53	II
	20881A6620	Gandhe Sripriya	9.5	III



Gelivi Sai Chaitanya



Karampuri Anuhya



Gandhe Sripriya



EVENTS ORGANIZED BY THE DEPARTMENT

- Parishodhana - Project Expo
- Drone Workshop
- Cisco Packet Tracer Workshop
- Workshop on Project Development Methodologies
- CODIGO (Debug your 'C' Knowledge)
- Ethical Hacking Penetration Testing and Exploitation Tools
- Building Scalable Applications using NodeJS
- ATAL-FDP on Internet of drones Applications and Futures
- PDP on Emerging Trends in Machine Learning
- PDP on Emerging Trends in Quantum Computing & Machine Learning



Events Organized for Students

Parishodhana - Project Expo

Parishodhana - Project Expo is an esteemed annual event organized by the Department of Computer Science and Engineering (AI&ML) at Vardhaman College of Engineering. This event showcases innovative student projects across various domains such as artificial intelligence, machine learning, and cybersecurity. Students demonstrate their technical skills and research findings through interactive presentations. The expo features a diverse array of projects that address real-world problems, fostering a collaborative environment of creativity and technological advancement. An expert panel, including industry professionals and academicians, evaluates the projects, providing valuable feedback and recognition to the participants.



Drone Workshop- "AI for Aerial Computer Vision in Drone Technology"

The ATAL Faculty Development Program (FDP) on the Internet of Drones is an advanced training initiative aimed at equipping educators and professionals with cutting-edge knowledge and skills in drone technology and its integration with the Internet of Things (IoT). This program delves into the foundational principles of drone operations, regulatory frameworks, and the transformative potential of drones in various industries. Participants will explore topics such as drone communication systems, real-time data processing, and innovative applications in fields like agriculture, surveillance, logistics, and disaster management. Through a blend of theoretical insights and practical sessions, the FDP aims to foster a comprehensive understanding of the Internet of Drones, preparing participants to leverage this technology for educational and research purposes, ultimately contributing to the advancement of drone technology and its myriad applications.



Department of CSE(AI&ML) & IEEE Vardhaman SB Presents

WORKSHOP ON

AI FOR AERIAL COMPUTER VISION IN DRONE TECHNOLOGY

May 6th & 7th, 2024

Key Focus Areas:

- Fundamentals of drone technology
- UAV components and systems
- Regulatory and safety guidelines
- Real-world applications and industry insights

REGISTER NOW! @ bit.ly/IDA_CSM

Convenor
Dr. M.A Jabbar

Coordinators
Dr. R. Karthikeyan
Dr. P. Pavan Kumar
Dr. Avula Satya Sai Kumar

Speakers

Madhu Chakravarthy
Director, Business Development, India Drone Academy (IDA)

Sumit Krishnan
DGCA-Certified Remotely Piloted Aircraft Instructor, India Drone Academy (IDA)

Scan me



Cisco Packet Tracer Workshop

The Cisco Packet Tracer Workshop was an intensive and interactive event focused on providing participants with practical experience in network design, configuration, and troubleshooting. Using Cisco's Packet Tracer simulation tool, attendees engaged in hands-on activities like configuring routers, switches, implementing network protocols, and diagnosing common issues. The workshop catered to students, networking enthusiasts, and professionals seeking to deepen their understanding of network architecture and protocols. Expert instructors guided participants through real-world scenarios, offering insights into advanced techniques and best practices. By the end, attendees gained valuable skills and confidence to apply in real-world networking environments, advancing their education and career prospects.



The banner features logos for IEEE Signal Processing Society, IEEE ComSoc, SSIT, IEEE Computer Society, and IEEE. It includes the text: "Two days Hands-on Workshop on Understanding of Routing and Switching Concepts in Data Communication and Networking using Cisco Packet Tracer" dated "24th and 25th March 2023". It also mentions "Organized by Department of CSM" and "In association with IEEE Communications Society, Hyderabad Chapter and IEEE Signal Processing Society, Hyderabad Chapter". The "Chief Patrons" listed are Dr. T Vijender Reddy, Mr. M Rajasekhar Reddy, Mr. T Upender Reddy, and Mr. E Prabhakar Reddy. The "Patrons" listed are Dr. J V R Ravindra and Dr. M.A. Jabbar. The "Convenors" listed are Dr Praful Mankar and Dr Lalitha Vadlamani.

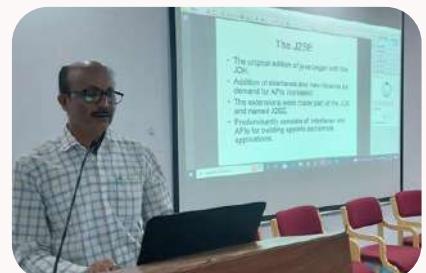


Workshop On Project Development Methodologies

The Workshop on Project Development Methodologies was a comprehensive event aimed at enhancing participants' project management skills. Attendees explored key methodologies like Agile, Scrum, and Waterfall, gaining a deep understanding of each. Through interactive sessions and hands-on activities, they learned to plan, execute, and manage projects effectively. Led by industry experts, the workshop offered insights into choosing the right methodology for different project types. Ideal for project managers, team leaders, and students, the event provided a solid foundation in project development, empowering participants to deliver successful projects in their professional careers.



The banner features logos for Vardhaman College of Engineering, IEEE Computation Intelligence Society, and IEEE Education Society. It also includes the text "DEPT OF CSE (AI&ML)" and "In association with IEEE Vardhaman Student Branch Presents". A central graphic illustrates the project development process as a staircase with steps labeled: REQUIREMENTS, ANALYSIS, DESIGN, CODE, TEST, and MAINTENANCE. Below the graphic, it says "ORGANIZED BY STAFF DEPARTMENT OF CSE(AI & ML)". To the right, the title "A Two Day Workshop On Project Development Methodologies" is displayed in orange and blue text. At the bottom, the dates "JUNE 24&25TH" and location "1009 (1ST BLOCK)" are shown.



CODIGO (Debug your 'C' Knowledge)

To provide the basic knowledge on how effectively students can grow the coding skill IEEE SSIT Chapter under IEEE Vardhaman Student Branch had organized the workshop on the topic "Codigo (Debug Your C Knowledge)" to educate its importance and how users can grow in coding and debugging skill in C language. There was 25 question including basic C, advance C coding and debugging. First year students of various department of Vardhaman College of Engineering, Hyderabad participated in Online Code Challenge event organized by IEEE - SSIT

Chapter. Out of 77 students participated two had scored 22 points out of 25, six students had scored 21 and six students scored 20. All these 14 winners are given certificates as winner for First, second and Third prize. All others are given with participant certificate.

The banner features logos for IEEE Vardhaman College of Engineering, ACM, IEEE, SSIT, and IEEE Computer Society. Below the logos, text reads: "IEEE SSIT Chapter IEEE Vardhaman College of Engineering Student Branch Presents Codigo (Debug Your 'C' knowledge) Connect with : <https://bit.ly/3y2zMDd> Organisers: Dr. R Karthikeyan, Prof CSE(AI & ML) Mohammad Bilal J , Asst Prof IT". It also includes a large yellow 'C' logo and contest details: "Contest Details: 03rd July 2022 , 05:00 PM" and "Last Date of Registration: 02nd July 2022". Social media links for @ieeecdhaman_sb and ieeecdhaman.org are at the bottom.



Ethical Hacking Penetration Testing and Exploitation Tools

The Ethical Hacking Penetration Testing and Exploitation Tools workshop was an immersive event designed to equip participants with the skills needed to identify and mitigate security threats. Attendees learned crucial techniques such as vulnerability scanning and penetration testing through hands-on exercises. This workshop was tailored for cybersecurity enthusiasts, IT professionals, and students aiming to deepen their knowledge of cybersecurity threats and defense strategies. Led by experienced instructors, the workshop provided valuable insights into the latest tools and best practices in ethical hacking. Participants gained practical experience and theoretical understanding, enhancing their ability to protect systems and networks from potential threats. This event was a significant step forward in their cybersecurity education and career development.



Building Scalable Network Applications using NodeJS

This workshop is primarily intended for third-Year B. Tech students. Technology Developed as an open-source framework to assist developers learn and create web applications using JavaScript, NodeJS has captured the interest of academics and students alike. A server-side JavaScript environment and an event-driven, non-blocking input/output mechanism are used by NodeJS. NodeJS is mostly focused on a few key ideas, such as how file systems operate, streams, buffers, and how to utilize NodeJS to create HTTP servers. UI and Web developers that wish to learn how to build networking and web apps that are quick, event-driven, scalable, and scalable are the main audience for the Node.js programme.

TOPIC TO BE COVERED

- Set up your development environment:
 - Installing visual studio code
 - WSL (optional)
 - Installing The prettier & Eslint VScode extensions
 - Our first HTML page, deploy, put your website on internet (github)
 - Introduction to胎hard CSM
- Introduction to java script:
 - Working with strings, numbers, Boolean object, array in java script
 - Functions & Collections in java script
- Introduction to Node.js:
 - Install Node.js
 - Running our first program using node.js REPs
 - Code quality using Eslint working with NPM
- Node.js Deep Dive:
 - Writing a functional HTTP server
 - Key concepts of Node.js
- Let's write a to-do application:
 - Databases & Sequelize
 - Setting up PostgreSQL, connecting to Database
 - Create a sequelize model and manipulating data, Database migration
- Backend web development with express.js:
 - Build todo management web application using Express.js
 - Connect our PostgreSQL Database to the express.js application
- Route in Express.js:
Build todo management web application using Express.js
 - Add two features: create a new to-do and mark an existing to-do as completed
 - Intro to rendering dynamic HTML & CSS with EJS templating
- User authentication and final wrap-up

CHIEF PATRONS

Dr. T. Vjender Reddy
Sri. T. Upender Reddy
Sri. M. Rajasekhar Reddy
Sri. E. Prabakar Reddy

Chairman
Secretary
Vice Chairman
Treasurer

PATRON

Dr. JVR Ravinda

Principal

CONVENER

Dr. M.A.JABBAR,
Professor & HOD, Dept. of CSM

COORDINATOR

1.Ms K. Tejasvi, Asst Professor, Dept. of CSM
2.Ms B. Pravallika, Asst Professor, Dept. of CSM
3.Ms H. Divya Reddy, Asst Professor, Dept. of CSM

RESOURCE PERSONS:

1. Mr. M. Prajwal Yashasvi,
Assistant Professor, Dept. of CSM
2. Lite Pupillers WD 481 students

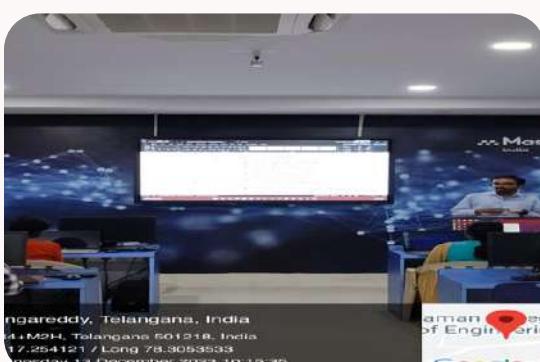
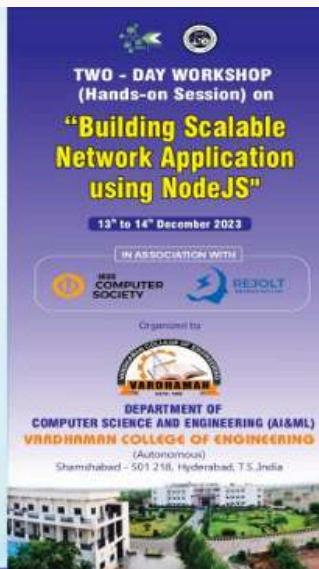
ORGANIZING COMMITTEE :

1.Ms D. Sandhya Rani, Asst Professor, CSM
2.Mr CH. Amrinder Reddy, Asst Professor, CSM

CONTACT:

K. Tejasvi
Email Id: kotejasvi@vardhaman.org
Mobile: 9033154929
K. Divya Reddy
Email Id: divya1703@vardhaman.org
Mobile: 7799176787

TWO - DAY WORKSHOP (Hands-on Session) on
"Building Scalable Network Application using NodeJS"
13th to 14th December 2023
IN ASSOCIATION WITH
INDIA COMPUTER SOCIETY
REJOLT INNOVATIONS
Organized by
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI&ML)
VARDHAMAN COLLEGE OF ENGINEERING
(Autonomous)
Shamshabad - 501 218, Hyderabad, TS, India



Events Organized for Faculty

ATAL - FDP

The ATAL Faculty Development Program (FDP) on the Internet of Drones is an advanced training initiative aimed at equipping educators and professionals with cutting-edge knowledge and skills in drone technology and its integration with the Internet of Things (IoT). This program delves into the foundational principles of drone operations, regulatory frameworks, and the transformative potential of drones in various industries. Participants will explore topics such as drone communication systems, real-time data processing, and innovative applications in fields like agriculture, surveillance, logistics, and disaster management. Through a blend of theoretical insights and practical sessions, the FDP aims to foster a comprehensive understanding of the Internet of Drones, preparing participants to leverage this technology for educational and research purposes, ultimately contributing to the advancement of drone technology and its myriad applications.

**AICTE-Training and Learning (ATAL)
Academy Sponsored One-Week
FACULTY DEVELOPMENT PROGRAM (FDP)**

**INTERNET OF DRONES
APPLICATIONS AND FUTURES**

Organized by
Department of CSE(AI&ML)

Resource Persons

- Mr. Pothukay Chaitin - Vice President and Chief Academic Officer, Institute AI Potchana Ltd.
- Mr. Kishore V - Senior Engineer - P.E.C. MCL Technologies
- Dr. S. Meenakshi - Professor and Head of EEE Department, SVR
- Mr. David Kannan - Director of Technology Head, Department of Electrical and Electronics Engineering, Jayamohini Institute of Technology
- Dr. Thirumal Pathman - IIT Madras Research Fellow, Department of Electrical Engineering, IIT Madras, Hyderabad
- Dr. Girija Rani Prabhu - Director of Research and Development, Institute of Computer Science, Mysore, Karnataka, India

11th to 16th December 2023

1009 Seminar Hall

REGISTER HERE

For Any Queries
Dr. R. Karthikyan,
Professor, CSE(AI&ML)
ATAL FDP
Coordinator
9791919585



PDP on Emerging Trends in Machine Learning

This 5-Day Professional Development Program on "Emerging Trends in Machine Learning" is being conducted for academic faculty, persons from industry, research scholars and PG/UG students who have a strong focus on machine learning. The purpose of conducting this 5 - day PDP is to provide knowledge on ML methods like Distributed Machine Learning for Edge computing, Learning Techniques for Fog-enabled IoT: Challenges and Future Directions, Generative adversarial network, Artificial Intelligence of Things for Wireless Sensing and Edge Computing and Quantum Computing Enhanced Machine Learning. Academicians in the concerned field from IACS, IIITs, NIT and RGIPT are invited to deliver lectures in the program.



PDP on Emerging Trends in Quantum Computing & Machine Learning

One of the achievements of the department of CSE-AI&ML is the successful proceedings of the One Week Professional Development Program on Emerging Trends in Quantum Computing & Machine Learning, which was a hands on session conducted to provide a platform to improve awareness on some emerging trends on quantum computing and machine learning. The PDP was conducted from 24th June, 2024 to 28th June, 2024. The event was held in a Virtual Mode with attendees such as Academic Faculty, working professionals, Research scholar and PG/UG Students who have a strong focus on Machine learning

VARDHAMAN COLLEGE OF ENGINEERING
(AUTONOMOUS)
Affiliated to JNTUA, Approved by AICTE, Accredited by MHRD with A+ Grade, ISO 9001:2015 Certified
Kacham, Shambhal, Hyderabad - 502120, Telangana, India

Department of Computer Science and Engineering (AI & ML)

One Week Professional Development Program

24-28 June'24 **Emerging Trends in Quantum Computing & Machine Learning overview with Hands On**

Chief Patrons
Dr. T. Vijender Reddy
Chairman, VCEH
Sri. M. Rajakishor Reddy
Vice-Chairman, VCEH
Sri. T. Upender Reddy
Secretary, VCEH
Sri. E. Prabhakar Reddy
Treasurer, VCEH

Head of the Department
Dr. J. V. R. Ravindra,
Principal, VCEH

Head of the Department
Dr. H. A. Jabbar
Coordinators:
Ms. K Rama Chandra Rao
Ms. K Tejaswi
Ms. D Sandhya Rani
Mr. N S S S Gopal Kumar

Organizing Committee Members:
Mr. Abhishek Deot
Mr. M Anudeep
Mr. Yopesh Joshi
Mr. Akash Patel
Mr. Adil Patel
And All staffs and faculties of
CSE(AI & ML) Department

Dates & Times:
24-06-2024 to 28-06-2024
7:00 pm to 8:00 pm
Venue:
Virtual mode

Scan To Pay for Registration:

Web URL: ieeewvardhaman.org

About the college:
Vardhaman College of Engineering (VCE) was established in the year 1990 by Vardhaman Educational Society, Hyderabad. It is a UGC-Accredited college, approved by AICTE, and is currently affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad. We offer undergraduate B.Tech programmes in CSE, ECE, (AIA)ML, AN&ML, CS O, AI&DS, IT, EEE, IIT, ME, CE, and Civil Engineering. Postgraduate programmes include M.Tech, M.Phil., PG-ED, CSE, SE, and ED, MBA programme, and doctoral programmes in CSE, ECE and ME.

The college is accredited by NAAC at 'A+' grade with a CGPA of 3.59 on a scale of 4.0. Six of its undergraduate programmes - I.Tech Ed, EEE, CSE, ME, CE, and IT are accredited by the National Board of Accreditation (NBA), New Delhi under the Tier-II Category.

About this Program:
The main objective of the program is to provide a platform to awareness on some emerging trends on quantum computing and machine Learning with hands-on. The department of Computer Science and Engineering (AI & ML) offers an interactive session that provide knowledge and give participants the chance to share their ideas through question - answer round.

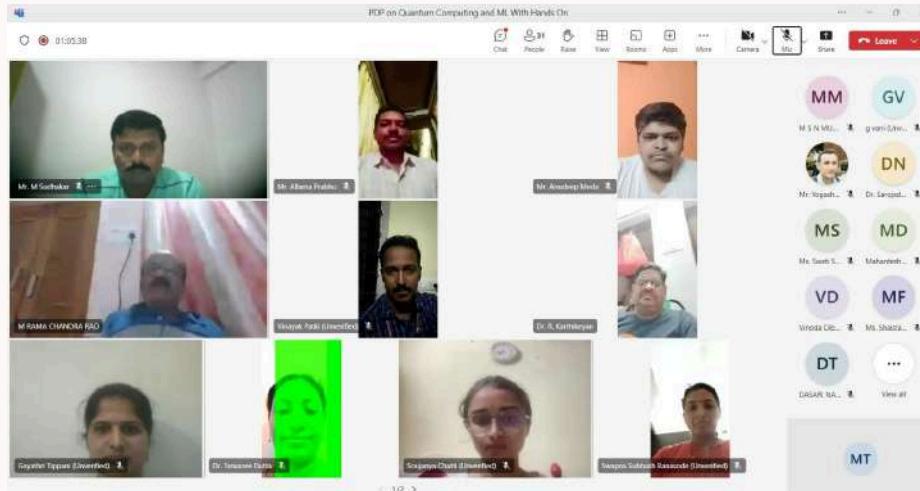
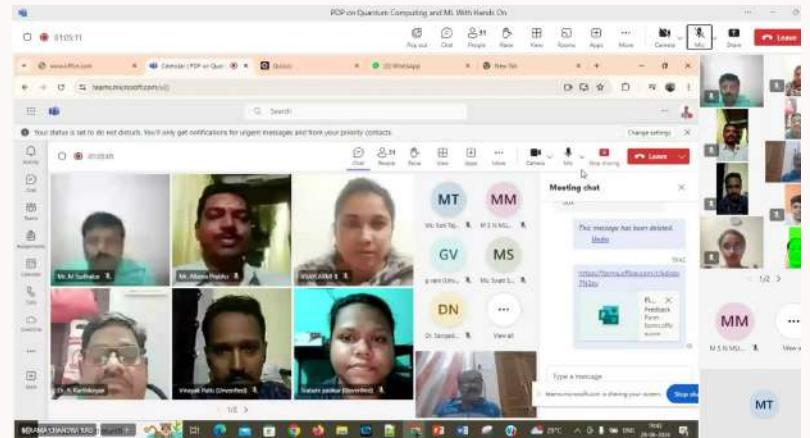
Resource Persons: From Organizations of High repute

Who Can Attend?
Academia Faculty, Person from Industry, Research scholar and PG/UG Students who have a strong focus on Machine learning.

Registration Link: <https://forms.gle/uGCCC7F1Skzks46>
Registration Fee: Rs. 150/-
Last date for Registration: 23.06.2024

For More Info:
Mobile: +91 9888205646
+91 9010883557

E-mail: cseaimlevents@gmail.com



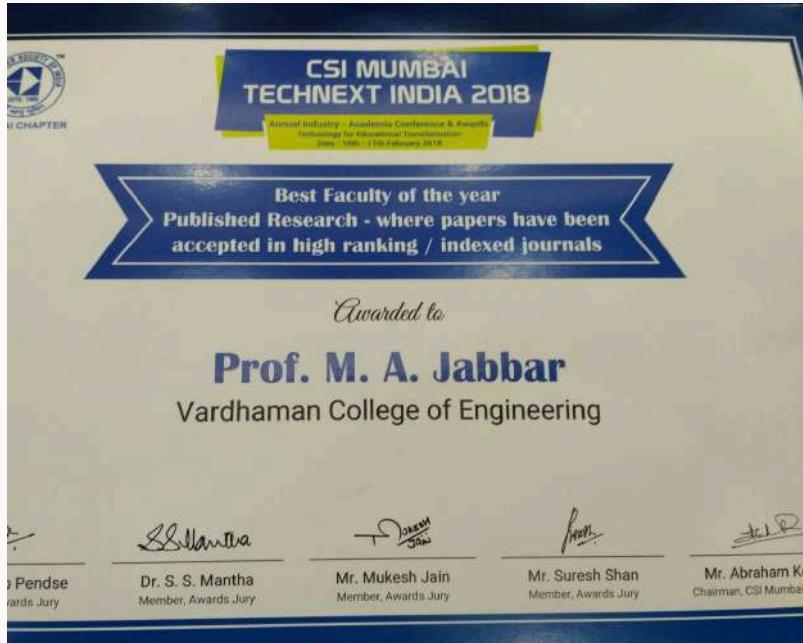
FACULTY AND STUDENT ACHIEVEMENTS



Within the dynamic CSM community, both faculty and students continually achieve remarkable milestones. Our esteemed faculty members, with their groundbreaking research and dedication to innovation, consistently earn recognition such as prestigious fellowships and significant research grants. Meanwhile, our students excel in academic excellence, securing scholarships and accolades while actively contributing to research projects and community initiatives. From publishing influential papers to winning national coding championships, the achievements of our faculty and students alike embody the spirit of excellence and advancement within the CSM department.

Faculty Achievements

Dr. M.A. Jabbar is a distinguished academic and researcher whose dedication and expertise have earned him numerous accolades throughout his career. Among his notable achievements are the Best Faculty Researcher Award from the CSI Mumbai Chapter Bombay and the Outstanding Leadership Award from the IEEE Hyderabad Section.



In addition, Dr. Jabbar has earned a place among the world's elite scientists, being featured in the prestigious "World Ranking of Top 2% Scientists," compiled by experts from Stanford University, USA, and Elsevier. This recognition underscores his significant contributions to the global scientific community.



Dr. Jabbar has published 113 papers in international journals and conferences, all indexed in Scopus. His research work is further complemented by six published patents and one granted patent under his name. Beyond his research, he has edited seven books with esteemed publishers, including Springer, ISTE, IET, CRC, River Publishers, Nova Publishers, and Bentham Science. His work continues to inspire and influence the fields of Artificial Intelligence, Machine Learning, and beyond.



M.A.JABBAR

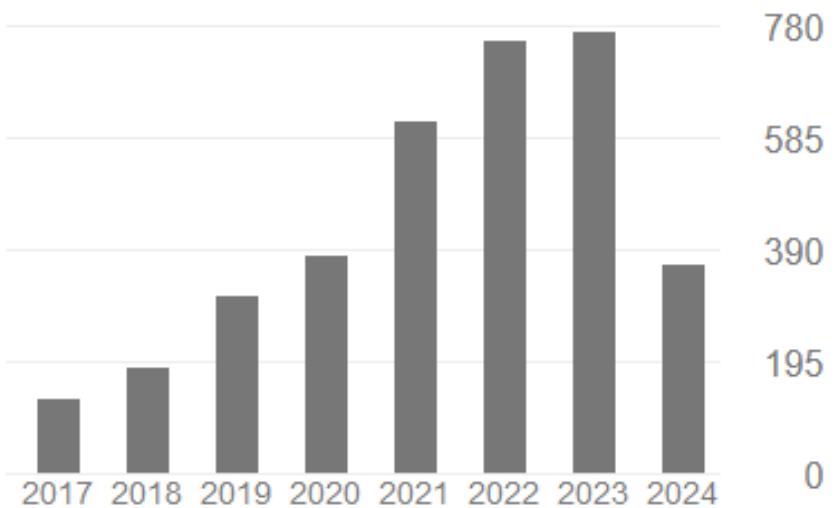
Ph.D ,Professor , Vardhaman College of Engineering, IEEE CS Distinguished Contributor
Verified email at vardhaman.org - [Homepage](#)

Machine Learning Artificial Intelligence IOT&Big data Bio Informatics Cyber Security



	All	Since 2019
Citations	3760	3190
h-index	29	27
i10-index	42	39

Cited by [VIEW ALL](#)



Year	Cited by Count
2017	~100
2018	~150
2019	~250
2020	~350
2021	~550
2022	~750
2023	~780
2024	~350

In 2021, Dr. M. A Jabbar was honored with the Distinguished Contributor Award from the IEEE Computer Society USA. He has also been recognized as a Top Scholar in the Machine Learning domain by Scholar GPS.



Congratulations on being named a Top Scholar by ScholarGPS

Dear Dr. Jabbar,

ScholarGPS recognizes Top Scholars for their outstanding performance in various Fields, Disciplines, and Specialties. Your strong publication record, the impact of your work, and the notable quality of your scholarly contributions have placed you in the top 0.5% of all scholars worldwide.

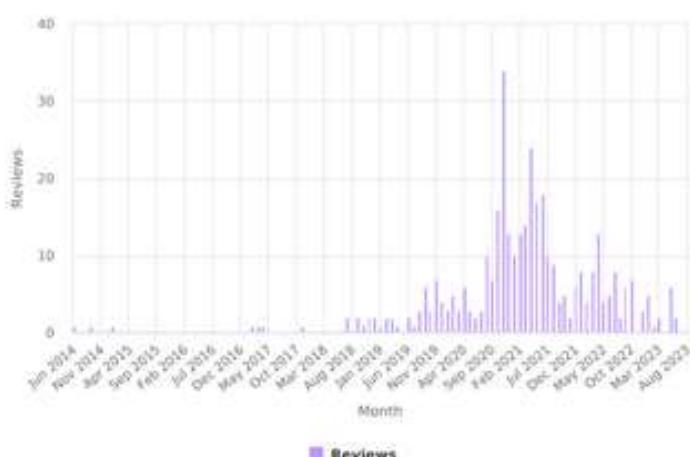
[View your scholar profile and rankings](#)

Listed below is a summary of the areas (and your ranking in those areas) in which you have been awarded Top Scholar status based on your accomplishments over the totality of your career (lifetime) and/or current.

Dr. M.A. Jabbar CV was generated by web of science for the contribution towards publication in journals and conferences and for reviewing the articles which have been indexed by web of science.

Verified reviews

Review Summary



Web of Science™

Web of Science CV
Prepared on September 2nd 2023



Dr JABBAR M.A

<https://www.webofscience.com/wos/author/rid/A-2109-2016>
Web of Science ResearcherID: A-2109-2016
ORCID: 0000-0003-4059-2728

Current affiliation:

- VARDHAMAN COLLEGE OF ENGINEERING until present

Academy graduate



In recognition of professional standing
the Officers and Board of Directors of
the IEEE certify that

Karthikeyan R

has been elected to the grade of
Senior Member



25 June 2022

K.J. Ray Liu
President, IEEE

John W. Walz
Secretary, IEEE



Dr. R. Karthikeyan, Professor, Department of CSE (AI&ML) Received best presenter award from International conference on Advanced Technology (ICAT-2024), which was held at National University, Sultanate of Oman.



Dr. V. Kavitha is working as Associate Professor in Department of Mathematics, Vardhaman College of Engineering, Hyderabad. She has more than 24 years' experience of teaching. She has received B.Sc (Computer Science) undergraduate Degree from St Ann's Degree College for Women, Osmania University in the year 1997. She has completed Postgraduation in Applied Mathematics from Osmania University, Hyderabad in the year 1999 and received Gold Medal in the year 1999 for scoring highest marks in Applied Mathematics. She was awarded Ph.D in Fluid Mechanics with title Rayleigh Benard and Morongani Convection of Variable Viscosity, from JNTU, Kakinada

Dr. V. V. Appaji is working as Professor in Department of Computer Science and Engineering (AI&ML), Vardhaman College of Engineering, Hyderabad. He has more than 34 years of experience in teaching. He has received B.Tech (CSE) in the year 1990. He has completed M.Tech (CSE) from JNTU, Anantapur. He was awarded Ph.D from Dravidian University, Kuppam.



Mr. Anudeep Meda, Assistant Professor in the Department of Computer Science and Engineering (AI&ML) at Vardhaman College of Engineering, Hyderabad, has significantly contributed to the field of AI and ML. His recent accomplishment includes securing a patent for the "Novel Deep Learning Based Intelligent Robust Early Sepsis Prediction Model."



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ABHISHEK DIXIT

for successfully completing the course

Deep Learning



with a consolidated score of **79** %

Mr. Abhishek Dixit, Associate Professor received the Silver **Certificate** for completing the DEEP LEARNING - **NPTEL Course** with a score of 79%



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ABHISHEK DIXIT

for successfully completing the course

Artificial Intelligence: Knowledge Representation and Reasoning

Mr. Abhishek Dixit, Associate Professor received the Course completion **Certificate** for completing the ARTIFICIAL INTELLIGENCE: KNOWLEDGE REPRESENTATION AND REASONING - **NPTEL Course**



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

RAMA CHANDRA RAO MEKA

for successfully completing the course

Big Data Computing



with a consolidated score of **75** %

Mr. Ram Chandra Rao Meka, Assistant Professor received the Silver **Certificate** for completing the BIG DATA COMPUTING - **NPTEL Course** with a score of 75%

Certificate of Appreciation

This is to certify that Mr./Ms./Dr./Prof. **Koti Tejasvi** contributed as a reviewer, acknowledged and appreciate his/her time and expertise to provide essential feedback to ensure the high quality of research papers to be published by the Springer CCIS Series Conference Proceedings of the "5th International Conference on Computing Science, Communication and Security (COMS2)" organized by the Ganpat University, Gujarat, INDIA on 6th - 7th February 2024.





Dr. Satyen Parikh
General Chair, COMS2
Executive Dean,
Faculty of Computer Applications
Ganpat University, INDIA

Dr. Kiran Amin
Organising Chair, COMS2
Executive Dean,
Faculty of Engineering & Tech.,
Ganpat University, INDIA

Dr. Nirbhay Chaubey
Organising Chair, COMS2
Dean,
Faculty of Computer Applications
Ganpat University, INDIA

Ganpat University, Ganpat Vidyanager, Mehsana, Gujarat, INDIA, Pin-384012
<https://www.ganpatuniversity.ac.in/>

Koti Tejasvi, Assistant Professor Department of CSE(AI&ML) received a certificate for contributing as a reviewer for research papers in the 5th International Conference on Computing Science, Communication, and Security (COMS2)

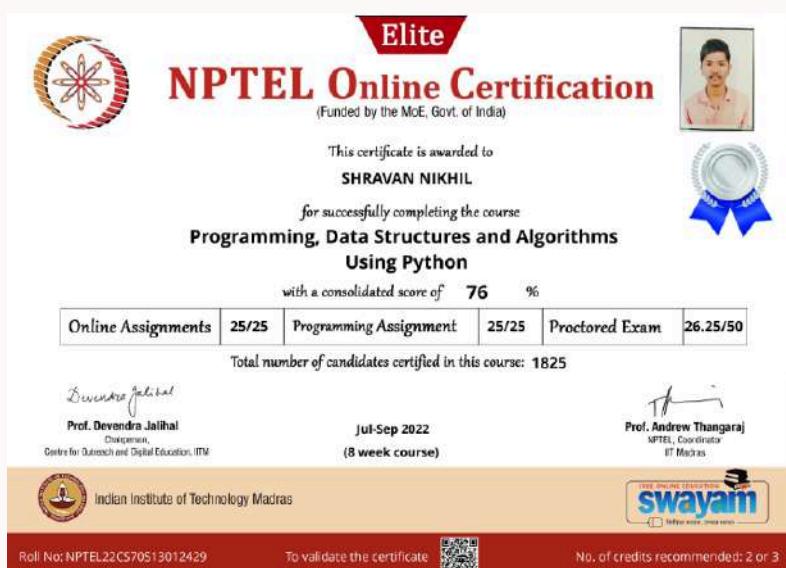


Koti Tejasvi Assistant Professor Department of CSE(AI&ML) received a Certificate of Appreciation for valuable contribution as a Technical Program Committee (TPC) member at the 2023 5th International Conference on Soft Computing and its Engineering Applications (icSoftComp2023)

Student Achievements



Mohammad Shanavaz received the **GOLD CERTIFICATE** for completing the **BIG DATA COMPUTING - NPTEL Course** with a score of **93%**



Shravan Nikhil received the **SILVER CERTIFICATE** for completing the **PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON - NPTEL Course** with a score of **76%**

Student Achievements

NAME OF THE STUDENT	NAME OF THE EVENT	CERTIFICATE TYPE
K. Ritwik Reddy	Minor & Major Projects	Outstanding Performance,2023
P. Amulya	Festronix-2K22-CYBERSYNC Club	Second Prize,2022
P. Amulya	Speak to Lead - CYBERSYNC Club	First Prize,2021
Akhil Jabbar, Rohith, Bhavya sri, P. Likith	7th IEEE International Conference CSITSS-2023	Paper Presentation
G. Sri priya	MassMutual India	Appreciation
B. Rohit	Basket Ball	RUNNERS PRIZE-APR 23
B.Tarun kumar	TAIT-WAR OF WORDS	SECOND 21-22
Rohit Reddy	TAIT-WAR OF WORDS	SECOND 21-22

Student Achievements

NAME OF THE STUDENT	NAME OF THE EVENT	CERTIFICATE TYPE
K. Ritwik Reddy	DEBATE COMPETITION, Student Affairs Cell, ELECSOL CLUB	RUNNERS,2022
K. Ritwik Reddy	Student Coordinator for ORTUS-2022	Appreciation,2022
T.Bharath	Sketch IT ,TECHNICAL WEEKEND-2	First Prize,2021
D.Shivaram	CODEWARS	First Prize,2022
D.Karhikeya	PARISHODHANA 2K23	SECOND PRIZE,2023
D.Karhikeya	HOUR OF CODE UNDER TECHFEST	SECOND PRIZE,2022
A.Rohith	Student coordinator for FRSTRONIX-2K22	APPRECIATION
G.Sai Chaitanya	FIRST YEAR BTECH SEM RESULTS	FIRST,2021

Student Achievements

NAME OF THE STUDENT	NAME OF THE EVENT	CERTIFICATE TYPE
G.Sai Chaitanya	SECOND YEAR BTECH SEM RESULTS	FIRST,2022
G.Sai Chaitanya	THIRD YEAR BTECH SEM RESULTS	FIRST,2023
V. Sri Chandana	Chess	WINNERS- ORTUS23

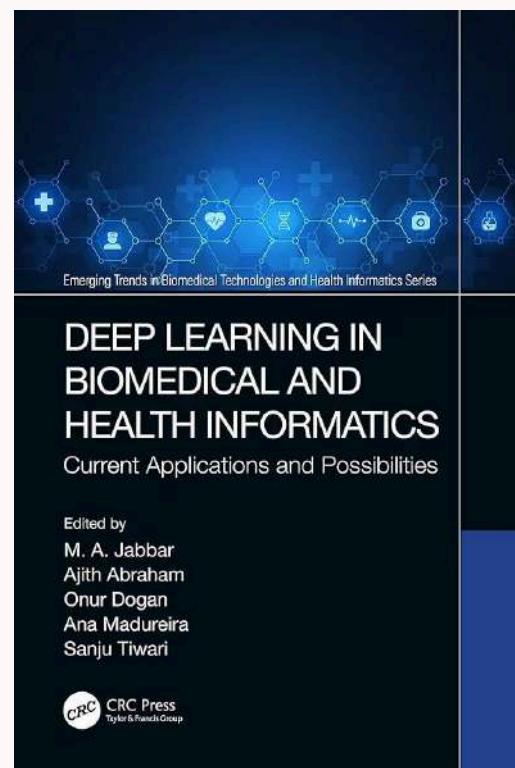
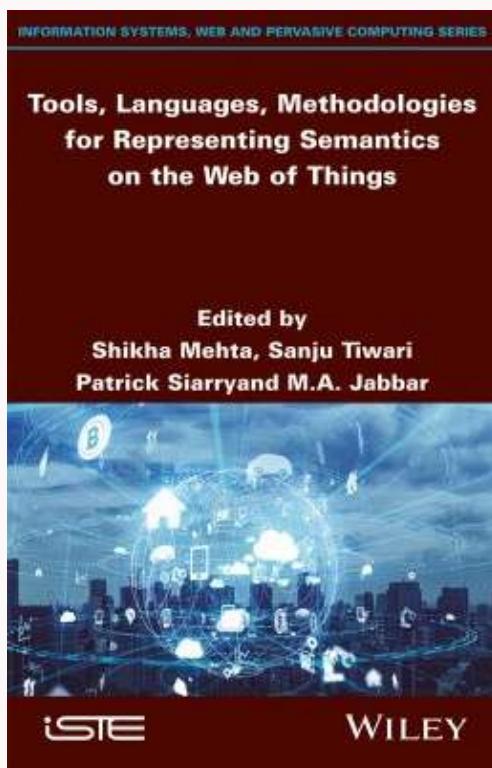
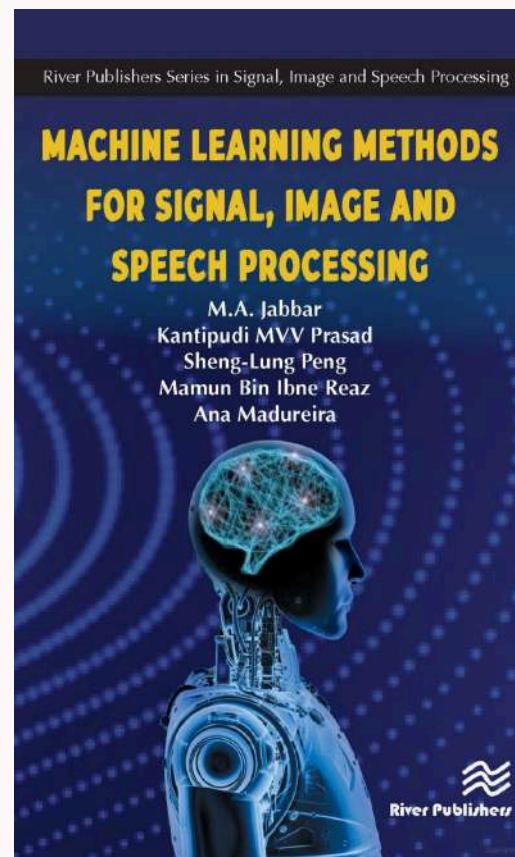
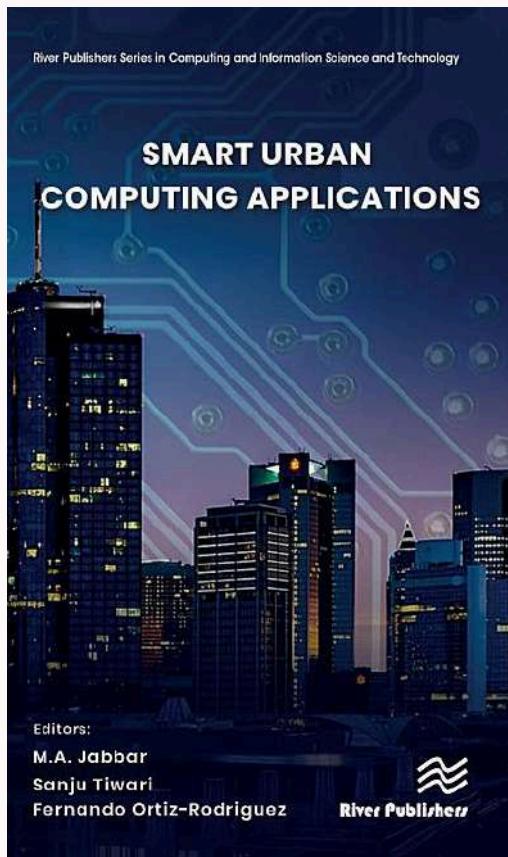
FACULTY & STUDENT RESEARCH

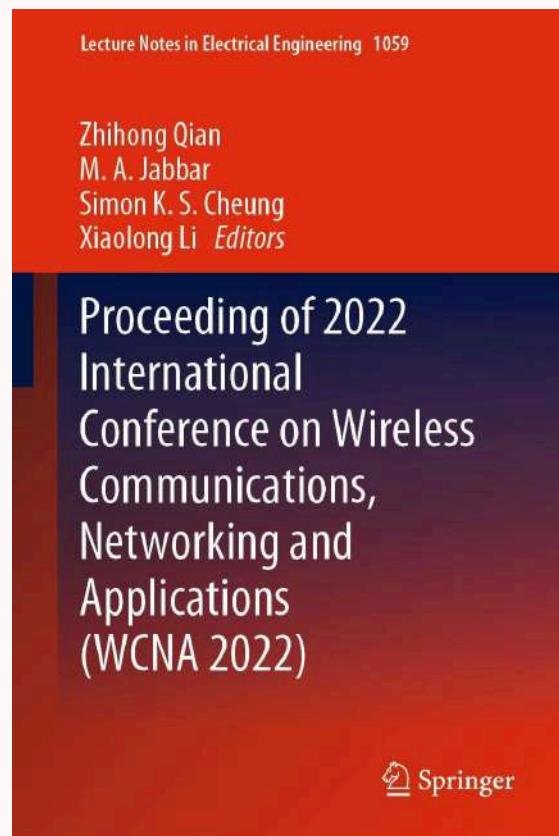
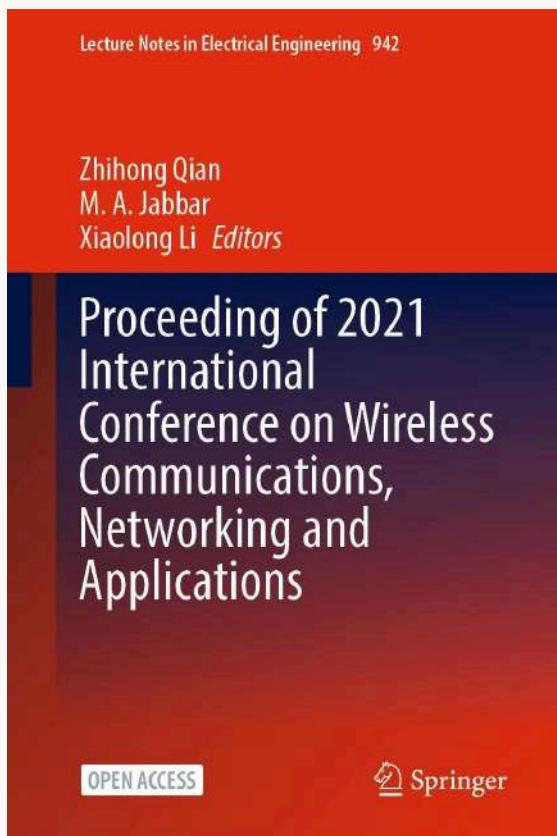
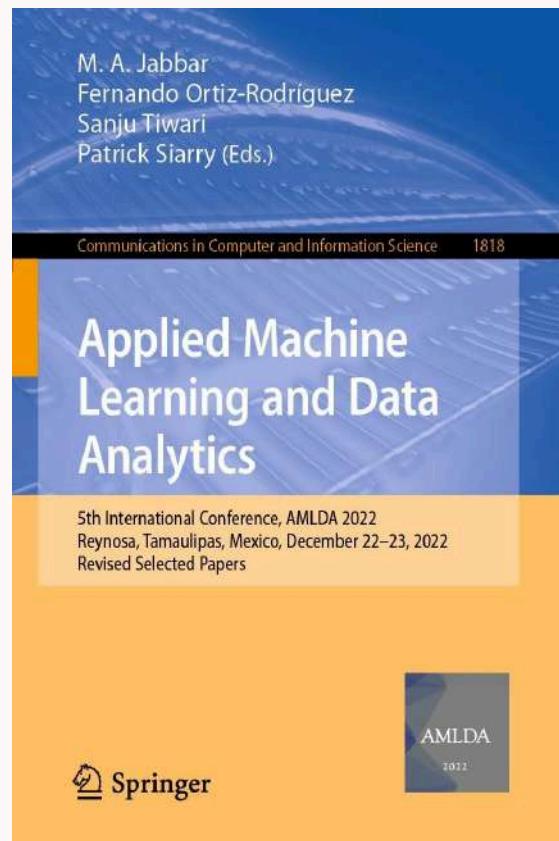
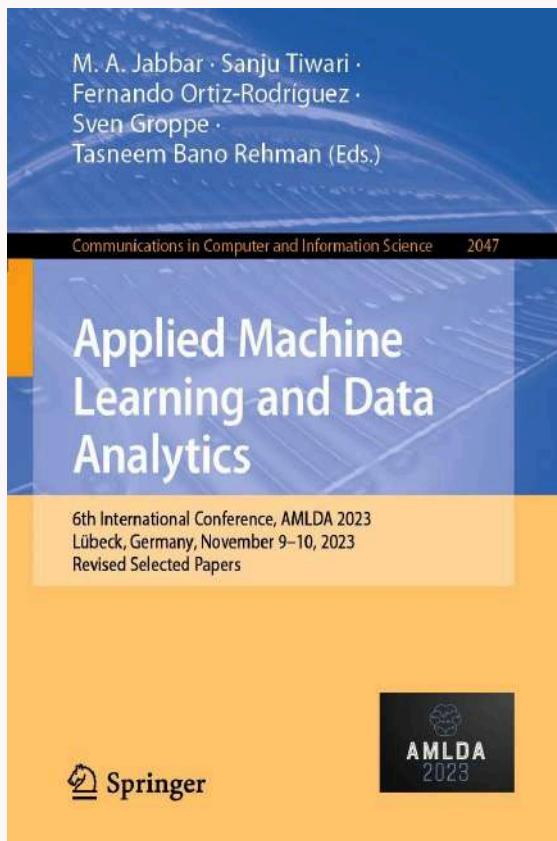
The CSM department thrives on a robust culture of research, with both faculty and students contributing to groundbreaking discoveries. Our esteemed faculty lead pioneering studies in areas such as Artificial Intelligence, Machine Learning, and Drones another Technology, often collaborating with top research institutions and securing significant grants. Students actively engage in this research environment, participating in innovative projects and co-authoring papers published in prestigious journals.

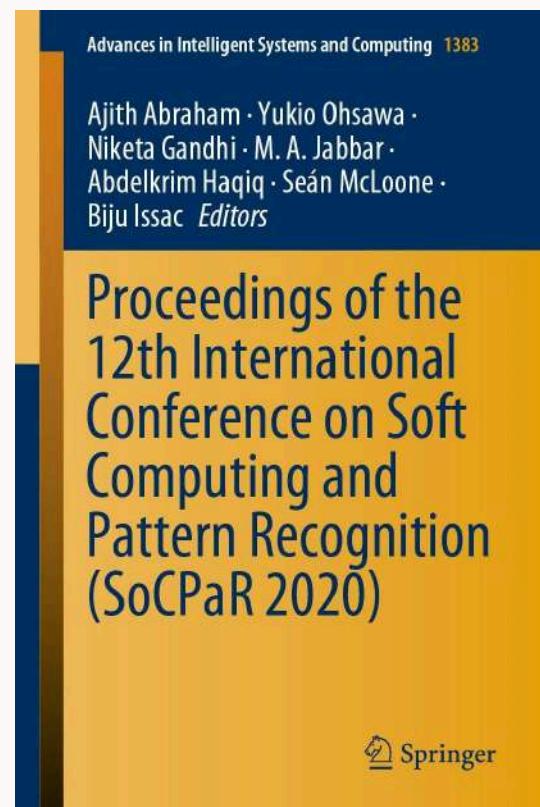
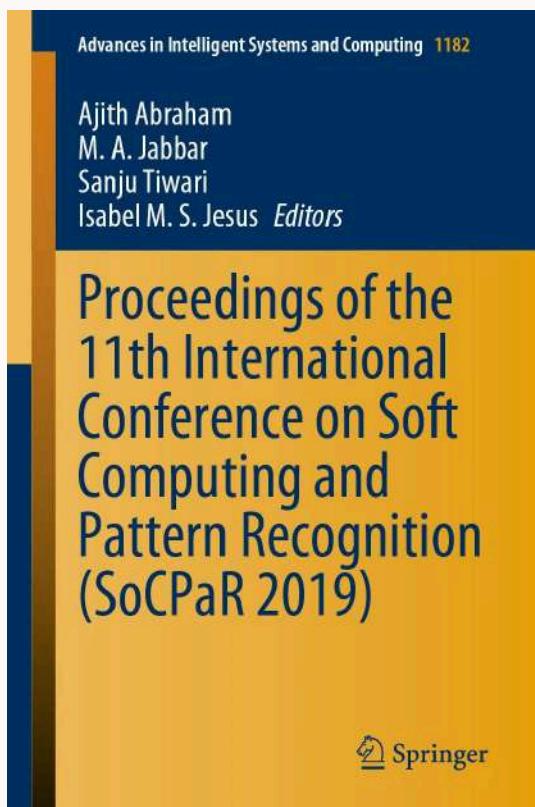
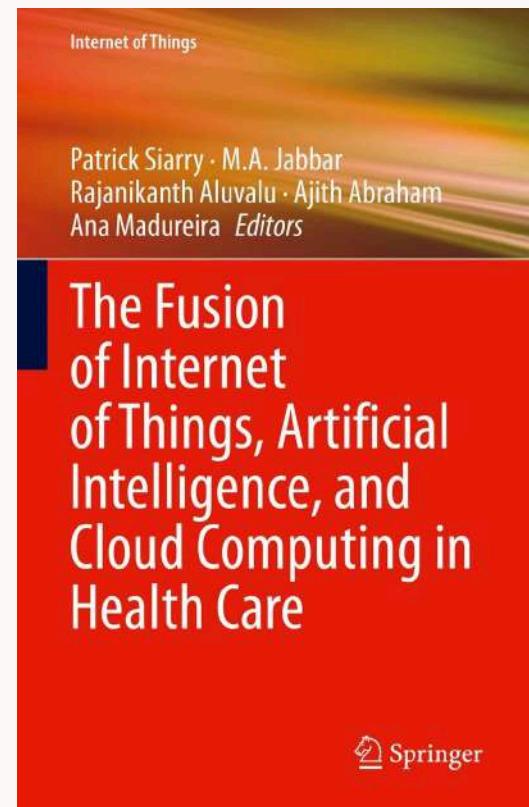
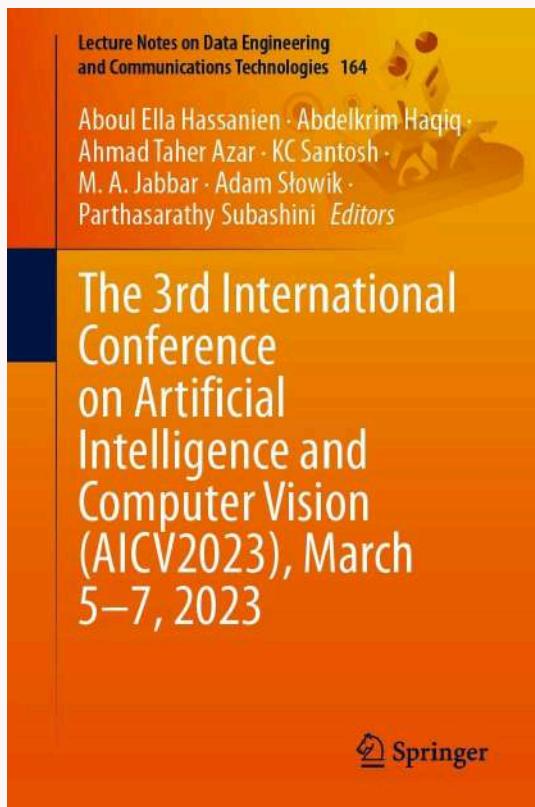
Faculty members lead innovative projects, securing substantial grants and publishing in top journals. Students actively participate, contributing to significant discoveries and gaining invaluable experience. This collaborative research environment not only advances the field but also equips students to become future leaders in computer science and engineering.

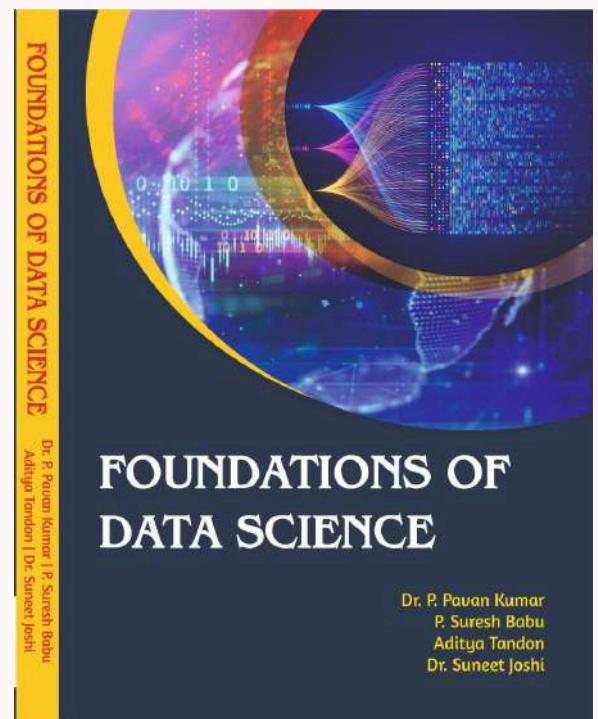
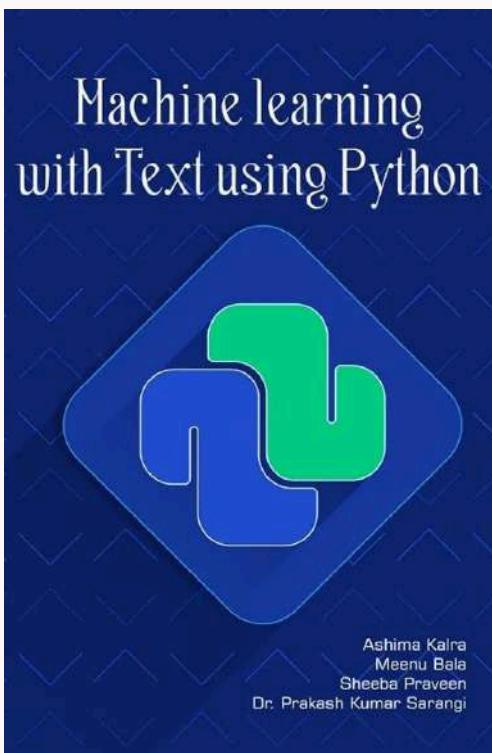
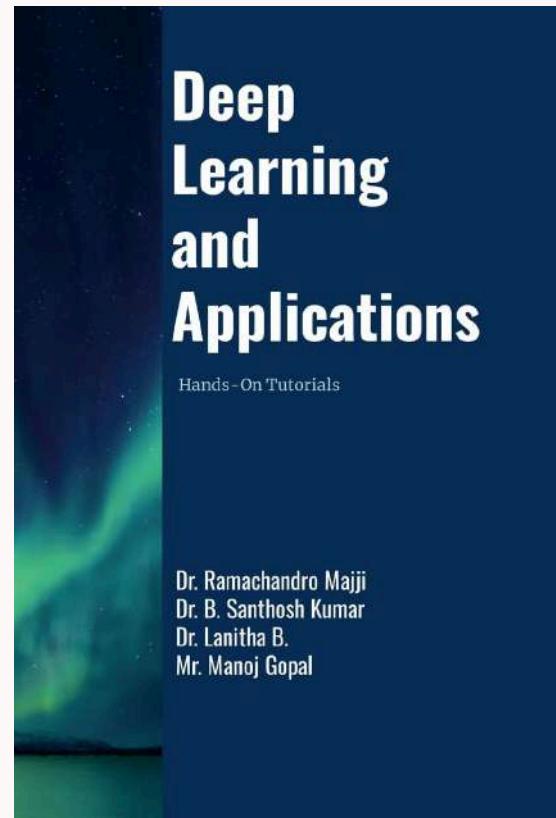
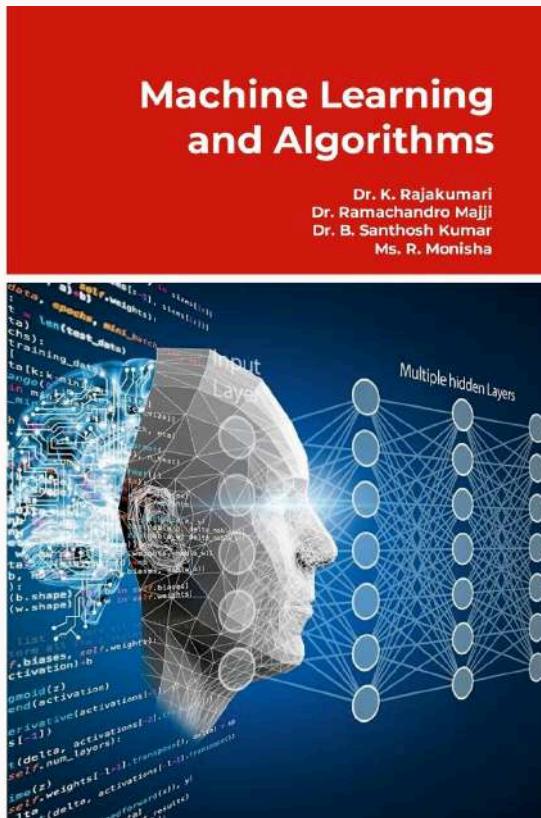


Text Books Published









Papers Published in Journals by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE JOURNAL
Dr. M. A. Jabbar	Breast Cancer Data Classification Using Ensemble Machine Learning	Engineering and Applied Science Research
M. A. Jabbar	Lung Cancer Prediction Using Random Forest	Recent Advances in Computer Science and Communications
Dr. M. A. Jabbar, Koti Tejasvi	Demystifying the applications of Artificial Intelligence in Disaster Management: A Review	SPAST
Dr. M. A. Jabbar	Data Mining Analysis for Precision Agriculture: A Comprehensive Survey	SPAST
Dr. M. A. Jabbar	A systematic review on AI/ML approaches against COVID-19 outbreak	Complex & Intelligent Systems
Balaji Vuppala	Optimized Sufferage algorithm for improving Load Balancing in Cloud Computing	NVEO Journals

Papers Published in Journals by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE JOURNAL
Dr. R Karthikeyan	E Medical Image Denoising and Classification Based on Machine Learning: A Review	SPAST
Dr. M. A. Jabbar	Applications of Cognitive Internet of Medical Things in Modern Healthcare	National Library of Medicine
Dr. M. A. Jabbar	An Insight into Applications of Deep Learning in Neuroimaging	Artificial Intelligence for Neurological Disorders
V. Balaji	Economic Analysis Based on Saline Water Treatment using Renewable Energy System and Microgrid Architecture	Journal of Water Reuse and Desalination
Dr. R. Karthikeyan	Preserving Resource Handiness and Exigency-Based Migration Algorithm (PRH-EM) for Energy Efficient Federated Cloud Management Systems	Hindawi Mobile Information Systems
Dr. R. Karthikeyan	COSCO2: AI-augmented evolutionary algorithm based workload prediction framework for sustainable cloud data centers	Trans Emerging Tel Tech

Papers Published in Journals by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE JOURNAL
Dr. R. Karthikeyan	Enhanced Elman spike neural network based fractional order discrete Tchebyshev encryption fostered big data analytical method for enhancing cloud data security	Springer

Papers Published in Conferences by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE PAPER
Dr. M. A. Jabbar	Future Challenges for Cyber-Security in a Smart City Environment in Indian Context	IET Digital Library
Dr. M. A. Jabbar	Security and Authentication of Outsourcing Cloud Data	3rd Smart Cities Symposium (SCS 2020)
Dr. M. A. Jabbar	Future Challenges for Cyber-Security in a Smart City Environment in Indian Context	3rd Smart Cities Symposium (SCS 2020)
Dr. M. A. Jabbar	Reimagining the Indian Healthcare Ecosystem with AI for a Healthy Smart City	Emerging Technologies in Data Mining and Information Security
Dr. M. A. Jabbar	Regression Model for Prediction of Epidemic Outbreaks	IOP Conference Series: Materials Science and Engineering
Dr. M. A. Jabbar	A Novel and Secure Approach for Quantum Key Distribution in a Cloud Computing Environment	Springer

Papers Published in Conferences by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE PAPER
K. Aishwarya and Dr. M. A. Jabbar	Data Mining Analysis for Precision Agriculture: A Comprehensive Survey	ECS Transactions
Dr. M. A. Jabbar	TogEther - A Decentralized Application Connects Ideas and Investors	2021 International Conference on Decision Aid Sciences and Application (DASA)
Dr. M. A. Jabbar	Check Certificate—A Certificate Verification Platform for Students and Organizations	Fifth International Conference on Smart Computing and Informatics (SCI 2021)
Dr. M. A. Jabbar	An Insight into Load Balancing in Cloud Computing	Springer Nature Singapore
Dr. M. A. Jabbar	Enhancing Data spillage in Multi-Cloud Storage Services	13th International Conference on Computing Communication and Networking Technologies (ICCCNT)
Rama Chandra Rao M.	The Blood Boon	International Conference on Information Technology(OCIT)

Papers Published in Conferences by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE PAPER
B. N. Jyothi, Koti Tejasvi, Dr. M. A. Jabbar	An Insight into Applications of Deep Learning in Cancer Classification	3rd International Conference on Computation, Automation and Knowledge Management (ICCAKM)
Dr. R. Karthikeyan	A Secured Storage Scheme for Cloud Environment using ECC-IRNS based Deduplication Approach	2022 International Conference on Inventive Computation Technologies (ICICT)
Adepu Sai Aashrith, Prakash Kumar Sarangi	Automatic Crop Securing System Using IoT	Automatic Crop Securing System Using IoT
Prakash Kumar Sarangi	Medical Insurance Fraud Detection Based on Block Chain and Deep Learning Approach	IEEE International Conference on Disruptive Technologies for Multi-Disciplinary Research & Applications
Prakash Kumar Sarangi, Adepu Sai Aashrith	Medical Insurance Fraud Detection Based On Block Chain and Machine Learning Approach	Fourth International Conference on "Emerging Research in Electronics, Computer Science and Technology"
Prakash Kumar Sarangi	Stock Market Prediction using Recurrent Neural Network	2022 IEEE International Conference on Current Development in Engineering and Technology (CCET)

Papers Published in Conferences by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE PAPER
Dr. Karthikeyan R	A Secured Storage Scheme for Cloud Environment using ECC-IRNS based Deduplication Approach	Proceedings of the Fifth International Conference on Inventive Computation Technologies (ICICT 2022)
Prakash Kumar Sarangi	Optimization of Linear Antenna Array Thinning using Binary Genetic Algorithm (BGA)	2022 10th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO'2022)
Prakash Kumar Sarangi	Automatic Crop Securing System Using IoT	2022 5th International Conference on Computational Intelligence and Networks (CINE)
Prakash Kumar Sarangi	Improving Data Centre Power Efficiency by Applying the VM Consolidation Approach	The International Conference on Advances in Communication Technology and Computer Engineering
Prakash Kumar Sarangi	Computing Stock Market Price Behaviour Using Machine Learning Approach	International Conference on Information Systems and Computer Networks (ISCON-2023)

Papers Published in Conferences by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE PAPER
R. Karthikeyan, Prakash Kumar Sarangi	Enhanced Movie Recommendation and Sentiment Analysis Model Achieved by Similarity Method through Cosine and Jaccard Similarity algorithms	International Conference on Computing, Communication and Intelligent Systems
Prakash Kumar Sarangi	Game Data Visualization Using Artificial Intelligence Techniques	International Conference on Recent Trends in Computing (ICRTC-2022)
Prakash Kumar Sarangi	Deep Learning Based Face Mask Detection Model For COVID-19 Prevention	International Conference on Artificial Intelligence, Blockchain, Computing and Security
Prakash Kumar Sarangi	Systematic Stress Detection in CNN Application	2022 10th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO'2022)
Dr. R. Karthikeyan	Comparison of Different Similarity Methods for Text Categorization	International Conference on Innovations in Data Analytics

Papers Published in Conferences by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE PAPER
Prakash Kumar Sarangi	Forecasting of Statistical Crisp Weather in India by Exploration of Different Machine Learning Techniques	2022 2nd International Conference on Advanced Computing and Innovative Technologies in Engineering (ICACITE)
Prakash Kumar Sarangi	Discrimination and Investigation of Cardiac Infarction gleaned from Various Machine Learning and Optimization Methods	2023 IEEE Third International Conference on Technology, Engineering, Management for Societal Impact using Marketing, Entrepreneurship and Talent
Dr. R. Karthikeyan	Improving Data Centre Power Efficiency by Applying the VM Consolidation Approach	The International Conference on Advances in Communication Technology and Computer Engineering
Dr. R. Karthikeyan	Lane detection using Deep learning approach	1st International Conference on Computational Science and Technology (ICCST)

Book Chapters Published by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE BOOK
M. A. Jabbar	Knowledge Graphs and Semantic Web: Third Iberoamerican Conference and Second Indo-American Conference, KGSWC 2021, Kingsville, Texas, USA, November 22-24, 2021, Proceedings	Communication in computer and information science
M. A. Jabbar	Deep Learning in Biomedical and Health Informatics: Current Applications and Possibilities	CRC
M. A. Jabbar	Tools, Languages, Methodologies for Representing Semantics on the Web of Things	ISTE(WILEY)
M. A. Jabbar	Exploiting Trajectory Data to Improve Smart City Services	River Publishers
Meerja Akhil Jabbar	Machine Learning Methods for Signal, Image and Speech Processing	River Publishers
M. A. Jabbar	Semantic Models in IoT and eHealth Applications	Academic Press

Book Chapters Published by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE BOOK
M. A. Jabbar	Foundations of Deep Learning and its Applications to Health Informatics	CRC
M. A. Jabbar	Review of Machine Learning Approach for Drug Development Process	CRC
M. A. Jabbar	IoT Empowered Smart Health Cities	Disruptive Technologies and Digital Transformations for Society 5.0 book series (DTDTS)
M. A. Jabbar	Applications of Machine Learning for Renewable Energy: Issues, Challenges, and Future Directions	Handbook of Smart Energy Systems
M. A. Jabbar	Applications of Machine Learning in the COVID-19 Pandemic: A Scoping Review	IOP Publishing
M.A. Jabbar	The Fusion of Internet of Things, Artificial Intelligence, and Cloud Computing in Health Care	Internet of Things (ITTCC)

Book Chapters Published by the Faculty

AUTHORS	TITLE OF THE PAPER	NAME OF THE BOOK
M.A. Jabbar	Semantic Modeling for Healthcare Applications: An Introduction	Semantic Models in IoT and eHealth Applications
M.A. Jabbar	Applications of Machine Learning Approaches to Combat COVID-19: A Survey	Impact on Healthcare Systems and Technology
M. A. Jabbar	An Insight into Applications of Deep Learning in Bioinformatics	Deep Learning, Machine Learning and IoT in Biomedical and Health Informatics
Balaji Vuppala	Advanced Smart Educational Systems Using Blockchain Technology	Blockchain Technologies for Sustainable Development in Smart Cities
M. A. Jabbar	Lung Cancer Prediction using Feature Selection and Recurrent Residual Convolutional Neural Network (RRCNN)	River Publishers

Patents Published by the Faculty

AUTHORS	TITLE OF THE PATENT
Prakash Kumar Sarangi	An Adaptive Multi-Objective Machine Learning Framework for Edge Computing Based on a Multiple Gradient Descend Design
R Karthikeyan Rama Chandra Rao Meka Prakash Kumar Sarangi Balaji V	The Role of the Internet of Things on the Relationship Between Job Balance and Employee Productivity in the IT Industry
M. A. Jabbar	Accident Suraksha
M. A. Jabbar	Analysis of Agriculture Data Using Machine Learning to Maximize Rice Field Prediction
M. A. Jabbar	E Heart Fitness Band

Patents Published by the Faculty

AUTHORS	TITLE OF THE PATENT
M. A. Jabbar Vivek Kulkarni	Circular Stacked DGS Antenna Configuration for Wireless Application
M. A. Jabbar	Automated Selective Tea Leaf Bud Harvesting Machine
Depalle Sandhya Rani Koti Tejasvi	Artificial Intelligence-Assisted Diagnostic Imaging System for Early Disease Detection
Md. Asif R. Karthikeyan	The Smart Non-Invasive Ventilation System for Acute Respiratory Distress Syndrome
Palla Pavankumar	Driver Drowsiness Detecting Device Based on AI

Papers Published in Conferences by the Students

AUTHORS	TITLE OF THE PAPER	NAME OF THE PAPER
Adepu Sai Aashrith Dr. M. A. Jabbar	Classification of DDoS attacks using Ensemble learning	ICDCOT-2024 International conference on distributed computing and optimization techniques
S Bhavya Sri, A Rohith Reddy, P Likith, Dr. M. A. Jabbar	Efficient Intrusion Detection system using Convolutional Long Short Term Memory Network	7th IEEE International Conference CSITSS-2023
T BHARATH CHANDRA Dr.M.A.JABBAR	DIABETES PREDICTION USING GAUSSIAN NAIVE BAYES AND ARTIFICIAL NEURAL NETWORK	ICDCOT-2024 International conference on distributed computing and optimization techniques
Suram Abhiram Reddy L. Yoshitha reddy Dr. Prakash Kumar Saranghi	Facial Expression Detection using Recurrent Residual Convolution Neural Network	2023 IEEE 3rd Mysore Sub Section International Conference (MysuruCon)
Dharanishwar Tanusree Dutta	Movie recommender system using facial expression detection	INCET, Bangalore
Karampuri Anuhya, D.shivaram, Deekonda Karthikeya, B.N.Jyothi, M.A.Jabbar, Zahid Aktar	Deep Fake video detection using transfer learning techniques	ICAICR-23,Haryana

Papers Published in Conferences by the Students

AUTHORS	TITLE OF THE PAPER	NAME OF THE PAPER
E.Shrenitha, M.Manvith, D.Sushanth, Dr.M.A.Jabbar	Lung Cancer Prediction using Recurrent Residual Convolutional Neural Network and Long Short Term Memory	ICDCOT-2024 International conference on distributed computing and optimization techniques
Gelivi Sai Chaitanya, Katragadda Deepika, Gurram Surya Prabhav, Rajkumar B Patil, M A Jabbar	Credit Card Fraud Detection using Hidden Naive Bayes and Bayesian Belief Network	I2CT
Gandhe Sripriya Dr.M.A Jabbar	Clustering based ensemble learning for classification of breast cancer data	Temscon ,Bangalore
Gundu Preetham Mrs Swati Sucharita	Insurance Claim Fraud Detection using Hidden Naive Bayes	ICDCOT-2024 International conference on distributed computing and optimization techniques
Gajula Shashank,Bhawani Sankar Panigrahi, M. A Jabbar	An Emotion Aware Music Recommendation System Using CNN and Flask	7th International Conference on Computation System and Information Technology for Sustainable Solutions
M. Honey Priya Reddy Dr. M A Jabbar	Doctor Handwritten Recognition and Alternate Medicine Recommendation using Deep Learning	TEMSCON ,Banglore

Papers Published in Conferences by the Students

AUTHORS	TITLE OF THE PAPER	NAME OF THE PAPER
Mohammad Shanavaz, G.Charan sree Manikanta , M Gnanaprasoona, K Sai Kishore, R Karthikeyan, M A Jabbar	Towards Efficient Encrypted Medical Image Retrieval from Heterogeneous Multi Cloud Environment	International Conference for Women in Innovation, Technology and Entrepreneurship, ICWITE
Adurinti Sushma Dr. Vuppala Balaji	Classification system of CVD using AODE Algorithm	ICDCOT-2024 International conference on distributed computing and optimization techniques
MD.Aftaab Mr. Rama Chandra Rao	Machine learning based Restaurant Recommendation system	ICDCOT-2024 International conference on distributed computing and optimization techniques
Tejas Gudavarthi Prakash kumar sarangi	DNA Sequence Classification using RRCNN and LSTM	ICDCOT-2024 International conference on distributed computing and optimization techniques
Vaishnavi Dommati, M.Ramachandra Rao	Summarization of News Articles using Machine Learning Techniques	PiCET 2024
Rohit Vinayak biradar	Crop prediction & Fertilizer recommendation using AODE algorithm	I2CT 2024

Papers Published in Conferences by the Students

AUTHORS	TITLE OF THE PAPER	NAME OF THE PAPER
G.sreekar, P.Praneeth, B.Tarun, Mrs.Koti Tejasvi	IOT Based Intelligent Smart Home Controlling System	INCET 2024
Korutla Meghana, Polisetty swetha	Detection of underwater objects using deep learning and you only look once algorithm	IEEE mysurucun,Banglore
Konda Avinash Shaista Farhat	Apple Leaf Disease detection Using Deep learning	ICDCOT-2024 International conference on distributed computing and optimization techniques

Faculty Pursuing Ph.D

NAME OF THE FACULTY	UNIVERSITY	ADMITTED YEAR
Mr. Manzoor Mohammad	Koneru Lakshmaiah Educational Foundation, Vijayawada	2021
Mr. M. Sudhakar	Kalasalingam Academy of Research and Education University, Tamil Nadu	2021
Ms. Koti Tejasvi	ICFAI Tech Faculty of Science and Technology, Hyderabad	2022
Ms. Shaista Farhat	Koneru Lakshmaiah Educational Foundation, Vijayawada	2022
Mr. M. Anudeep	Chitkara University, Punjab	2022
Mr. Rama Chandra Rao Meka	VTU, Bangalore	2022

Faculty Pursuing Ph.D

NAME OF THE FACULTY	UNIVERSITY	ADMITTED YEAR
Ms. D. Sandhya Rani	Annamali University, Tamil Nadu	2023
Mr. N.S.S.S Girish Kumar	Sri chandrasekharendra saraswathi viswa Mahavidyalaya, Tamil Nadu	2024



MESSAGE FROM THE FIRST BATCH OF CSM

We are proud to see the Computer Science and Engineering (AI&ML) program flourish, having been its pioneers. With its setbacks and victories, our path has created enduring relationships and molded us into leaders of the future. With thanks for the support of our peers and the direction of our mentors, we confidently explore new areas. We share the knowledge of our experiences with the upcoming CSM students: seize chances, follow your passions, and never undervalue your abilities. Let us keep pushing limits and collectively reshaping CSM with tenacity and creativity.



CLASS OF 2024

SAI AASHRITH - 20881A6601

Good day everyone, I am Sai Aashrith, currently pursuing my fourth year in the Department of Computer Science and Engineering with a specialization in Artificial Intelligence and Machine Learning. Reflecting on my journey, being part of this department has been incredibly enriching. Our Head of Department and the entire faculty have consistently supported us, not only in academic endeavors but also in various other aspects of personal and professional growth

The faculty's dedication is evident in their unwavering efforts to ensure that students are not only well-versed in their subjects but also equipped with practical skills. Our modern infrastructure and state-of-the-art laboratories have been instrumental in fostering hands-on learning experiences, empowering us with the resources needed to thrive in our academic pursuits. Emphasis is placed on practical knowledge, encouraging us to go beyond theoretical understanding.

I am grateful for the opportunities and support provided by our esteemed faculty, which have contributed significantly to my development. Thank you.

CLASS OF 2024

GAJULA SHASHANK - 20881A6617



Hello, I am Gajula Shashank (Roll No. 20881A6617), reflecting on my journey in the Computer Science and Engineering (CSM) department at Vardhaman College of Engineering fills me with pride and excitement. From the moment I stepped into this newly established department, I felt the thrill of being part of something groundbreaking. The top-notch infrastructure, with its cutting-edge labs and modern classrooms, has provided the perfect environment for my learning journey. I've been fortunate to have such dedicated faculty members who not only teach but also mentor us through every step of our academic endeavors.

What truly stands out is the emphasis on machine learning-related subjects, which have been taught with exceptional clarity and depth. These subjects have equipped me with the latest knowledge and skills in this rapidly evolving field, preparing me for the challenges of the future. Moreover, the support from Dr. M.A. Jabbar, our Head of Department, has been invaluable. Jabbar sir's encouragement and assistance with our projects and paper publications have fueled my ambition and determination. With his guidance, I feel confident in pursuing my academic and professional goals. As I continue on this journey, I am grateful for the opportunities and support that have shaped my experience in the CSM department.



CLASS OF 2024

Sai Mallik Rameshwaram - 20881A6647

The Department of Computer Science and Engineering Specialization in Artificial Intelligence and Machine Learning at Vardham College of Engineering, led by our esteemed HOD and dedicated professors, has been crucial in shaping my academic and professional journey. The comprehensive curriculum and guidance provided have equipped me with invaluable knowledge and practical skills in AI and ML, fostering a dynamic learning environment that encourages innovation and critical thinking.

Through the department's support, I've not only gained expertise but also secured valuable opportunities like a full-stack development scholarship and placement in renowned companies such as UST Global and Accenture. The holistic education and abundant opportunities provided by the department have played a pivotal role in my academic and professional success, for which I am immensely grateful.

CLASS OF 2024

Medipally Honey Priya Reddy - 20881A6638



I'm M. Honey Priya Reddy from the fourth year of the Computer Science and Engineering (CSE) department, specializing in Artificial Intelligence and Machine Learning (AI&ML). Being a part of this department has been an incredibly enriching experience for me. Our Head of Department (HOD) and all the faculty have always been very supportive to us students, not just in our studies, but in many other ways too. They put in a lot of effort to make sure we understand our subjects really well.

The department has modern facilities and labs that are well-equipped, which helps us learn by doing things hands-on. This means we get to use all the tools we need to do well in our studies. We're also encouraged to do research and work on real projects that are happening right now. They focus more on practical knowledge than just theories, which is really helpful for us students.



CLASS OF 2024

ANUGU ROHIT REDDY - 20881A6604

The faculty members at Vardhaman College have been instrumental in shaping our academic journey, providing invaluable support and guidance every step of the way. Under the leadership of our supportive Head of Department (HOD), we have embarked on numerous research endeavors that have yielded remarkable results. Their dedication to fostering a culture of innovation and scholarly pursuits has propelled us towards academic excellence. Through their mentorship and expertise, we have had the privilege of publishing papers contributing to the advancement of knowledge in our field. In moments of academic challenge, our faculty members have stood by us, offering unwavering support and encouragement. Their commitment to our academic and personal development has left an indelible mark on our lives.



CLASS OF 2024

Md Shahid Ali - 20881A6637

I wanted to extend my deepest gratitude to the esteemed faculty for the outcome based education provided to me . Under the guidance of the always encouraging HOD Jabbar sir . They have always encouraged me to learn new technologies . Due to this, I have excelled in academics as well as grabbed the highest package in the department. The Unwavering support and expertise have truly transformed my future. Thank you for nurturing me and setting me on the right path . I'm greatly impressed by the Management's unending quest for sourcing out all the companies of the highest tier which in turn brings the esteemed institution in the limelight of top-ranking companies. Thank you for making my college life memorable & victorious.

Parents Testimonial



Testimonial by Karampuri Venu

Choosing Vardhaman College for my daughter, Karampuri Anuhya, was a significant decision for me. I wanted her to receive the best education possible, and after visiting the campus, I felt confident that it was the right choice. The Computer Science and Engineering Department, with its focus on Artificial Intelligence and Machine Learning (AI&ML), seemed like the perfect fit for her interests.

Throughout her time at Vardhaman College, the faculty were incredibly supportive, providing her with both knowledge and encouragement. She gained a lot from her education, both academically and personally. When she graduated, she quickly secured a good job, a testament to the excellent education and training she received at Vardhaman College.

I am immensely proud of my daughter and grateful to Vardhaman College for playing a crucial role in her achievements. Their commitment to excellence and their supportive environment helped her reach her goals and set a strong foundation for her future.

Karampuri Anuhya - 20881A6627

CLASS OF 2024

Parents Testimonial



Testimonial by Kolan Shanker Reddy

I am Kolan Shanker Reddy, father of Kolan Ritwik Reddy, who is pursued a B.Tech in Computer Science and Engineering with a specialization in Artificial Intelligence and Machine Learning (CSE-AIML) at Vardhaman College of Engineering. I want to express my sincere appreciation for Vardhaman College of Engineering, its management, and the CSE-AIML department, along with its dedicated faculty members. Throughout my son's academic journey, the college has demonstrated a strong commitment to creating a conducive learning environment. The industry-relevant curriculum of the CSE-AIML department has been exceptional, equipping students with the necessary skills and knowledge to excel in their field. The faculty's mentorship, encouragement, and approachability have been invaluable in helping my son excel academically and navigate challenges effectively.

I am highly satisfied with the quality of education and support provided by Vardhaman College of Engineering. I am confident in my son's continued success at this esteemed institution, thanks to the excellent foundation and guidance he has received.

Kolan Ritwik Reddy - 20881A6629

CLASS OF 2024

Parents Testimonial



Testimonial by Md Hamed Ali

Iam Md Hamed Ali Father of Md Shahid Ali, It is my heartfelt appreciation to you and your renowned faculty for the extraordinary education in AI that my son received during his time at your institution. The tireless efforts of the passionate HoD of AI Department Jabbar Sir and the entire faculty have undoubtedly played a pivotal role in shaping his academic journey. Thanks to your support and guidance, my son secured the highest package in the department, a testament to the exceptional quality of education provided by your institution. We are truly grateful for your dedication to nurturing and empowering young minds.

Md Shahid Ali - 20881A6637

CLASS OF 2024

PLACEMENTS & HIGHER EDUCATION

Our graduates embark on illustrious career paths, securing coveted positions in renowned companies worldwide. Notable placements include roles at tech giants like Deloitte, Oracle, Advance Auto Parts India, and many more, where our alumni excel in diverse fields such as software engineering, data science, and cybersecurity. Additionally, many graduates carve their niche in innovative start-ups, leveraging their CSM education to drive technological advancements and entrepreneurial endeavors.



Placement Details of Batch 2020-2024

STUDENT NAME	COMPANY
KARAMPURI ANUHYA	ADVANCE AUTO PARTS INDIA
MD SHAHID ALI	ADVANCE AUTO PARTS INDIA
DEEKONDA KARTHIKEYA	ORACLE
GUDAVARTHI TEJASH	ORACLE
VARALA ADITYA RAM	ORACLE
GELIVI SAI CHAITANYA	EAPPSYS LIMITED
ADEPU SAI AASHRITH	KORE.AI SOFTWARE INDIA
BONDUGULA DHARANISHWAR	KORE.AI SOFTWARE INDIA
ELMA SHRENITHA	EPAM
GANGARAJ SIDDHAARTH RAJ	EPAM
GUVALA CHARAN SREE MANIKANTA	EPAM
THIRUVEEDULA BHARATH CHANDRA	EPAM
BATTULA ROHIT	DELOITTE
DOMMATI VAISHNAVI	INMOVIDU TECH
RUDRARAJU VANDANA	ACMEGRADE PVT LTD
SANKA BHAVYA SRI	TA DIGITAL

Deloitte.

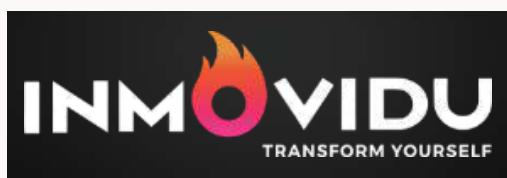


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Higher Education Details of Batch 2020-2024

ROLL NUMBER	STUDENT NAME	UNIVERSITY
20881A6604	ANUGU ROHITH REDDY	UNIVERSITY OF CINCINNATI
20881A6605	ASANI SOUMITH REDDY	UNIVERSITY OF OKLAHOMA
20881A6606	AYYAGARI SUJAN REDDY	UNIVERSITY OF OKLAHOMA
20881A6607	BATTULA ROHIT	UNIVERSITY OF OKLAHOMA
20881A6608	BHARATH KUMAR NANGUNURI	UNIVERSITY OF NORTH CAROLINA
20881A6612	D SHIVARAM	AUBURN UNIVERSITY AT MONTGOMERY
20881A6617	GAJULA SHASHANK	UNIVERSITY OF NORTH CAROLINA

ROLL NUMBER	STUDENT NAME	UNIVERSITY
20881A6620	GELIVI SAI CHAITANYA	UNIVERSITY OF OKLAHOMA
20881A6624	GURRAM SURYA PRABHAV	UNIVERSITY OF OKLAHOMA
20881A6628	KATRAGADDA DEEPIKA	UNIVERSITY OF NEW HAMPSHIRE
20881A6629	KOLAN RITWIK REDDY	NEW JERSEY INSTITUTE OF TECHNOLOGY
20881A6631	KONDA AVINASH	UNIVERSITY OF NORTH CAROLINA
20881A6633	LINGALADINNE YOSHITHA REDDY	UNIVERSITY OF NORTH CAROLINA
20881A6635	MD AFTAAB BIN USMAN	ILLINOIS INSTITUTE OF TECHNOLOGY

ROLL NUMBER	STUDENT NAME	UNIVERSITY
20881A6645	R ABHIRAM	ARIZONA STATE UNIVERSITY
20881A6648	ROHIT GANESH VEEPURI	UNIVERSITY COLORADO DENVER
20881A6652	SEGURU RITHVIK REDDY	UNIVERSITY OF NORTH TEXAS
20881A6654	SURAM ABHIRAM REDDY	UNIVERSITY OF CALIFORNIA IRVINE
20881A6656	THIRUMAL REDDY PAVAN REDDY	UNIVERSITY OF CINCINNATI





THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL





COLLABORATIONS AND MOU'S

- **RedHat**
- **India Drone Academy**
- **Infisum**

The Department of CSE (Artificial Intelligence & Machine Learning) has established Memorandums of Understanding (MoUs) with Red Hat, India Drone Academy, and Infisum. These partnerships have opened up a multitude of opportunities for students, including workshops, internships, and more. Here's how these collaborations benefit the department:

Collaborations and MoU's



redhat.

2. India Drone Academy:

- Drone Technology Workshops: Workshops on drone technology, which is increasingly relevant in fields like data collection, surveillance, and automated delivery systems using AI.
- Hands-on Projects: Practical experience in building and programming drones, integrating AI for autonomous navigation and other functionalities.
- Research Collaboration: Joint research projects focusing on innovative applications of AI and ML in drone technology.

1. Red Hat:

- Workshops and Training: Red Hat provides specialized workshops and training sessions on open-source technologies, Linux systems, and cloud computing, which are crucial for AI and ML development.
- Internship Programs: Students can participate in internship programs to gain hands-on experience with enterprise-level software and real-world projects.
- Certifications: Opportunities to earn Red Hat certifications, enhancing students' qualifications and job prospects.



3. Infisum:

- Industry Projects: Collaboration on industry projects where students can apply their AI and ML knowledge to solve real-world problems.
- Internships: Internship opportunities to work on advanced AI/ML projects, gaining exposure to cutting-edge technologies and industry practices.
- Workshops and Seminars: Regular workshops and seminars conducted by industry experts from Infisum to keep students updated with the latest trends and technologies in AI and ML.





INDUSTRIAL VISITS ORGANIZED BY THE DEPARTMENT



Experiential Learning through Industry Exposure

The Department of CSE (AI&ML) at Vardhaman College of Engineering continuously seeks to bridge the gap between theoretical knowledge and practical application. One of the pivotal experiences we offer our students is the opportunity to participate in industrial visits. These visits are not just excursions but are integral to our curriculum, providing firsthand exposure to real-world applications of Artificial Intelligence and Machine Learning.

INCOIS INDUSTRIAL VISIT

The Department of Computer Science and Engineering (AI & ML) recently organized a visit to the Indian National Centre for Ocean Information Services (INCOIS). Students explored the application of AI and ML in oceanography, witnessing firsthand how these technologies aid in weather forecasting, disaster management, and maritime safety. The interaction with INCOIS experts provided valuable insights into real-world challenges and innovative solutions, enriching the students' understanding and inspiring them to explore interdisciplinary applications of their skills. This visit was organized for the 2021-25 batch students.



PHOTO GALLERY

























DEPARTMENT OF CSE (AI&ML)

Editorial Committee :

Dr. M. A. Jabbar

Ms. Koti Tejasvi

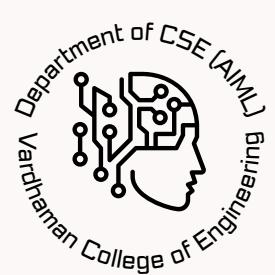
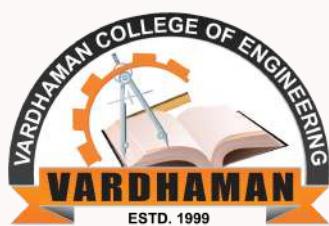
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