

Dayananda Sagar Academy of  
Technology and Management



# MCA

# 2024

# NEWSLETTER

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# EVINCE 3.0



## REVEAL THE PRESENCE



# Inside the Issue

- About the Department
- Vision & Mission of the Institute
- Vision & Mission of the Department
- HOD's Desk
- Faculty Information
- Faculty Achievements
- Faculty Research Publication
- Student Paper Presentation
- Student Achievements
- Departmental Activities
- Project Exhibition
- Technical Fest
- Industrial Visit
- Faculty Development Program Organized
- Industry/Academia Connects
- Results
- Semester Toppers
- Placements
- Student Corner
- Editorial Members

Every year, the Department of Master of Computer Applications releases a newsletter that includes the most recent information on developments in the global computer industry as well as the department's accomplishments.

This publication will offer the standards for ongoing enhancement in the department's overall development. This will act to offer a comprehensive package for expressing the innovative ideas, accomplishments (such technical publications) and relevant academic and research endeavours of professionals and students. This is also a useful tool for staff and incoming student groups when it comes to selecting future activities that will advance their careers

# About The Department



The MCA program at Dayananda Sagar Academy of Technology & Management is an Autonomous Institute, affiliated with VTU, Belagavi & approved by AICTE, with an intake of 120. The duration of the MCA program is 2 years. The department believes that Innovative Teaching-Learning methods coupled with problem solving using modern tools help the students enhance their skills & enable them to handle the challenges faced in their professional lives. The department provides quality education with high standards to achieve academic excellence thereby achieving the career goals of the students. Our students have completed MOOCs from various online platforms that have benefitted them in taking industrial internships. Our students are doing extremely well both in academics and extracurricular activities. The department offers various electives in cutting-edge technologies so that students are ready.

Faculty and students are encouraged by the department to present their ideas at national and international conferences and to publish their work in peer-reviewed journals. The department is run by devoted and hardworking faculty members who are assisted by administrative and technical staff. The department's teaching staff is incredibly dedicated to their work and gives the students their all by utilizing cutting-edge teaching and learning techniques. Research is an active endeavour for the faculties. Research projects from faculties are published in a number of reputable, worldwide, peer-reviewed publications. Reputable businesses like Virtusa, TCS, Capgemini, Cognizant, and many more hire MCA graduates.

## **Vision:**

To strive at creating the institution a centre of highest Caliber of learning, to create an overall intellectual atmosphere with each deriving strength from the other to the best of engineers, scientists and mathematicians.

## **Mission:**

### **M1:**

To serve its region, state, the nation and globally by preparing students to make meaningful contributions in an increasing complex global society.

### **M2:**

To encourage, reflection on and evaluation of emerging needs and priorities with state of art infrastructure.

### **M3:**

To support research and services establishing enhancements in technical, health, economic, human and cultural development.

### **M4:**

To establish inter disciplinary centre of excellence.

**M5:** To increase the number of Doctorate holders to promote research culture on campus.

## **Quality Policy:**

Dayananda Sagar Academy of Technology and Management aims at achieving academic excellence through continuous improvement in all spheres of Technical and Management education. In pursuit of excellence cutting-edge and contemporary skills are imparted to the utmost satisfaction of the students and the concerned stakeholders



# Vision & Mission of the Department

## **Vision:**

Nurture Continuous Learning through research and innovations in the field of Computer Science, Technology and Applications, to build competent professionals.

## **Mission:**

**M1:** Create a learning environment to motivate students to build strong technical skills.

**M2:** Promote value-based ethical practices in all facets of learning.

**M3:** Install Entrepreneurial collaborative thinking through structured interventions and industry participation.

## **Programme Educational Objectives:**

**PEO 1:** Analyse real-life problems, and design computing systems appropriate to their its solutions that are technically sound, economically feasible, and socially acceptable.

**PEO 2:** Exhibit professionalism, ethical attitude, communication skills, and teamwork in their profession and adapt to current trends by engaging in lifelong learning.

**PEO 3:** Demonstrate Leadership and Entrepreneurship Skills by incorporating organizational goals.

## **Programme-Specific Outcomes:**

**PSO 1:** The graduates of the Program will have skills to develop, deploy and maintain applications for desktop, web, mobile, cloud, and cross platforms using modern tools and technologies.

**PSO 2:** The graduates of the program Analyse the societal needs to provide novel solutions through technological-based research





## From The HOD's Desk



EVINCE 3.0

REVEAL THE PRESENCE



I am delighted to congratulate the Department of Master Computer Applications staff and students on the release of our newsletter, "EVINCE 3.0." The department's newsletter, which compiles all the events that took place in 2024, is a vital tool for increasing public awareness of the successes that the staff and students have achieved. We owe a debt of gratitude to our principle and management for their unwavering inspiration, encouragement, and support in producing this newsletter. I hope that with your encouragement and input, the upcoming issues will develop with better concepts

**Dr. Manjula Sanjay Koti**  
**Professor & Head, MCA Dept.**

# Faculty Information



**Dr. Manjula Sanjay Koti**  
Professor & Head



**Dr. Chitra K**  
Associate Professor



**Dr. Enoch Arulprakash**  
Assistant Professor



**Mrs. Usha Sree R**  
Assistant Professor



**Mrs. Priyadarshini S**  
Assistant professor



**Mrs. Priyanka Mohan**  
Assistant Professor



**Mr. Diwakara Vasuman**  
Assistant Professor



**Mr. Shreedhara N Hegde**  
Assistant professor



# Faculty Achievements

**Dr. Manjula Sanjay**, HOD-MCA, has published a Patent on "IoT-ML Medoptimizer: A machine learning-Based approach for optimizing medication dosage and delivery using internet of things data" on 8<sup>th</sup> February, 2024.

|                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (12) PATENT APPLICATION PUBLICATION                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (21) Application No.202441008553 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| (19) INDIA                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| (22) Date of filing of Application :08/02/2024                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (43) Publication Date : 08/03/2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| (54) Title of the invention : IOT-ML MEDOPTIMIZER: A MACHINE LEARNING-BASED APPROACH FOR OPTIMIZING MEDICATION DOSAGE AND DELIVERY USING INTERNET OF THINGS DATA |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (71)Name of Applicant :<br>1)Dr. Manjula Sanjay Koti, Dayananda Sagar Academy of Technology & Management<br>Address of Applicant :Professor &Head, Department of MCA, Dayananda Sagar Academy Technology & Management, Bangalore, Karnataka, India. Bangalore -----<br>2)Dayananda Sagar Academy of Technology & Management<br>Name of Applicant : NA<br>Address of Applicant : NA<br>(72)Name of Inventor :<br>1)Dr. Manjula Sanjay Koti, Dayananda Sagar Academy of Technology & Management<br>Address of Applicant :Professor &Head, Department of MCA, Dayananda Sagar Academy Technology & Management, Bangalore, Karnataka, India. Bangalore -----<br>2)Dayananda Sagar Academy of Technology & Management<br>Address of Applicant :Department of MCA, Dayananda Sagar Academy Technology & Management, Bangalore, Karnataka, India Bangalore ----- |
| (51) International classification                                                                                                                                | :A61B5/00, G06N20/00, G06N3/08, G16H10/00, G16H10/60, G16H20/00, G16H50/30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| (86) International Application No                                                                                                                                | :NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| (87) International Publication No                                                                                                                                | :NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| (61) Patent of Addition to Application Number                                                                                                                    | :NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| (62) Divisional to Application Number                                                                                                                            | :NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| (57) Abstract :                                                                                                                                                  | IoT-ML MedOptimizer is a novel system that leverages machine learning algorithms and internet of things (IoT) data to optimize medication dosage and delivery for individuals. The system collects multimodal data from various sources, including wearables, sensors, medical devices, and electronic health records (EHRs), to generate personalized medication plans tailored to each patient's unique needs. The system uses advanced machine learning models that take into account patient characteristics, medical history, and real-time health status indicators to determine the most effective medication dosages and schedules. IoT-ML MedOptimizer continuously learns from new data inputs, adapting its recommendations based on changing patient conditions. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| No. of Pages : 8 No. of Claims : 2                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**Dr. Manjula Sanjay**, HOD-MCA published an Article "Lung cancer diagnosis based on weighted convolutional neural network using gene data expression" in the Journal of "Scientific Reports"(Q1) indexed in WOS.





## Faculty Achievements

**Dr. Manjula Sanjay**, HOD-MCA, was the resource person for the FDP on “Digital Pedagogy: Incorporating ICT in Teaching and Evaluation” organized by Surana College, Bangalore on July 10, 2024.



**Dr. Manjula Sanjay**, HOD-MCA, was the resource person for the ATAL-FDP on “Comprehensive Cyber Security Techniques” organized by KG College of Science, Coimbatore on Sep 3, 2024.





## Faculty Achievements

**Dr. Manjula Sanjay**, HOD-MCA, presented paper On “International Conference on Emerging Technologies in Computer Science for Interdisciplinary Applications (ICETCS) 2024” organized by Department of CSE, AI-DS, CSE(ICB), B. M. S. College of Engineering, Bangalore, and IEEE Bangalore Section during 22nd and 23rd April 2024.



**Dr. Manjula Sanjay**, HOD-MCA, has been certified as “Cyber crime intervention officer” from ISAC



## Faculty Achievements

**Dr. Chitra K**, Assoc. Prof., Dept. of MCA, has published a Patent on "Robust Encryption and Access Control Mechanisms for Ensuring Confidentiality in Cloud-Based Data Storage" on 8th March, 2024.

Office of the Controller General of Patents, Designs & Trade Marks  
Department for Promotion of Industry and Internal Trade  
Ministry of Commerce & Industry,  
Government of India  
(<http://ipindia.nic.in/index.htm>)

INTELLECTUAL PROPERTY INDIA  
(<http://ipindia.nic.in/index.htm>)

| Application Details |                                                                                                                                                                                                                                                                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPLICATION NUMBER  | 202441011307                                                                                                                                                                                                                                                                                                                                  |
| APPLICATION TYPE    | ORDINARY APPLICATION                                                                                                                                                                                                                                                                                                                          |
| DATE OF FILING      | 19/02/2024                                                                                                                                                                                                                                                                                                                                    |
| APPLICANT NAME      | 1 . Dr. Chitra K<br>2 . Dr. Parimal Kumar Giri<br>3 . Mr. Konda Redy Lingaladinne<br>4 . Naveen Sai Krishna Amuluru<br>5 . Veeresh Naidu Gutta<br>6 . Mr. Sai Charan Sunkara<br>7 . Mr. Katroth Balakrishna Maruthiam<br>8 . Mr. Prateek Srivastava<br>9 . Mr. Panduraju Pagidimala<br>10 . Bhokya Rajkumar<br>11 . Dr. Harikumar Pallathadka |
| TITLE OF INVENTION  | ROBUST ENCRYPTION AND ACCESS CONTROL MECHANISMS FOR ENSURING CONFIDENTIALITY IN CLOUD-BASED DATA STORAGE                                                                                                                                                                                                                                      |
| FIELD OF INVENTION  | COMPUTER SCIENCE                                                                                                                                                                                                                                                                                                                              |

**Dr. Chitra K**, Assoc. Prof., Dept. of MCA, was the resource person for the National Level Workshop on "Quantum Computing Technologies: Exploring Interdisciplinary Frontiers" organized by AACST on August 22, 2024.



# Faculty Achievements

**Dr. Chitra K**, Assoc. Prof., Dept. of MCA, Attended International FDP on "Advanced Research Methodology and AI" from 18<sup>th</sup> - 23<sup>rd</sup> March, 2024.



**Dr. Chitra K**, Assoc. Prof., Dept. of MCA, is recognized as mentor for NPTEL Online Certification course on Data Base Management System





# Faculty Achievements

**Mrs. Ushasree R**, Asst. Prof., Dept. of MCA, participated in the FDP on "Artificial Intelligence Workshop" held on April 19-20,2024.



**Mrs. Ushasree R**, Asst. Prof., Dept. of MCA, participated in the FDP on "Unlocking Social Science Research: From Methodologies to Funding" held on May 9,2024.





# Faculty Achievements

**Mrs. Ushasree R**, Asst. Prof., Dept. of MCA, is recognized as mentor for NPTEL Online Certification course on Data Base Management System



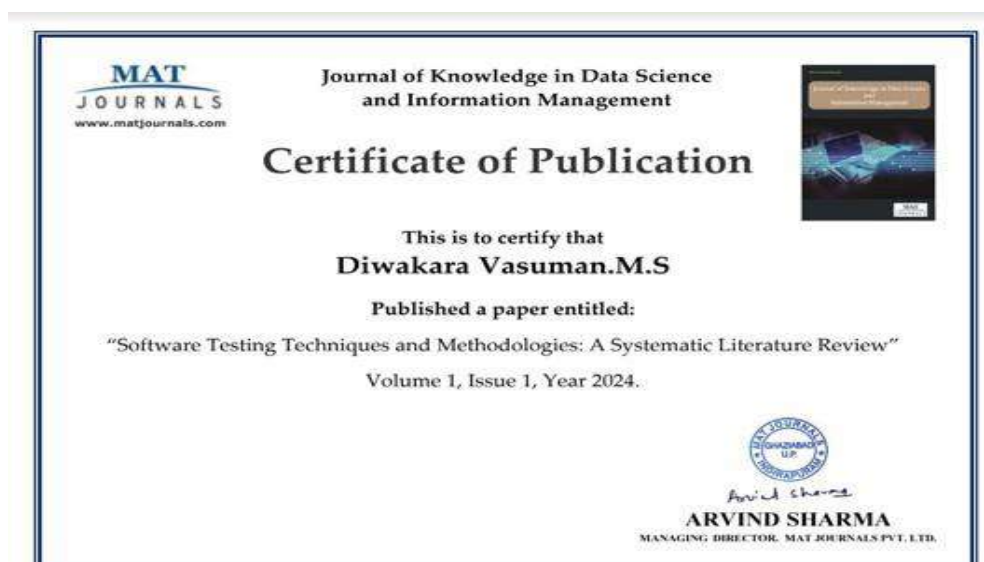
**Shreedhara N Hegde**, Asst. Prof., Dept. of MCA, is recognized as "Top Performing mentor" for NPTEL Online Certification course on Data Base Management System





## Faculty Achievements

**Diwakara Vasuman MS** Asst. Prof., Dept. of MCA published a paper in the Journal of "Software Testing Techniques and Methodologies: A Systematic Literature Review."



**Priyadarshini S**, Asst. Prof., Dept. of MCA, participated in the FIP on "Python for Data Science", from Infosys Springboard.



# Faculty Achievements

**Priyadarshini S**, Asst. Prof., Dept. of MCA, participated in the FIP on "Natural Language Processing for developers", from Infosys Springboard.



**Priyanka Mohan**, Asst. Prof., Dept. of MCA, participated in the FDP on "The Cadet Citation" on April 13, 2024.





# Student Achievements

**Simran Tanwani** Student of MCA, DSATM has secured **9<sup>th</sup> Rank** in VTU Examination 2022-2024



**MCA 1<sup>st</sup> and 3<sup>rd</sup> Semester students** participated in the technical fest organized by SIT College, Tumkuru from March 5<sup>th</sup> -6<sup>th</sup> 2024, and has won the 1<sup>st</sup> prizes in Quiz, IT Manager, Coding, and 2<sup>nd</sup> prize in Web Designing. They received Rs. 13000/- as cash prize.





# Student Achievements



# Student Achievements

**MCA 1st and 3rd Semester students** have won the Championship at the Intercollege Technical Fest "Zerone" organized by Siddaganga Institute of Technology, Tumkur





# Student Achievements

**Harsha D V**, 2<sup>nd</sup> Semester student has achieved karate Black belt from Okinawa Karate - Do Shorin Ryu Shorin Kai





# Students Paper Publication

**Abhimanyu Singh:** "International Journal of Advanced Research in Science, Communication and Technology," Housing Price Prediction using Linear Regression

**Abhimanyu Singh:** "International Journal of Advanced Research in Science, Communication and Technology," Empowering Presentations: Streamlining Content Generation through

**T Mohammad Adil:** "International Journal of Advanced Research in Science, Communication and Technology," Enhanced Spaces: The Art of Curating with Thoughtful Place Accessories using DJANGO

**T Mohammad Adil:** "International Journal of Advanced Research in Science, Communication and Technology," Intelligent Fingerprint Recognition System Using Machine Learning

**Aishwarya K:** "International Journal of Advanced Research in Science, Communication and Technology," Stock Sight: Insightful Predictions for Strategic Investment

**Aishwarya K:** "International Journal of Advanced Research in Science, Communication and Technology," Demand Forecasting for Agro Tech Technical Textiles

**Ananya Dubey:** "International Journal of Advanced Research in Science, Communication and Technology," Revolutionizing Healthcare with Intelligent Remote Health Monitoring

**Ananya Dubey:** "International Journal of Advanced Research in Science, Communication and Technology,"

**Ankita Priyadarsini Routaray:** "International Journal of Advanced Research in Science, Communication and Technology," Auto Mobilize Pro





## Students Paper Publication

**Ankita Priyadarsini Routaray:** "International Journal of Advanced Research in Science, Communication and Technology," *Sentiment Analysis and Rating Predicting for Hotel Review*

**Ananya Dubey:** "International Journal of Advanced Research in Science, Communication and Technology," *Intelligent Agriculture System using KNN Algorithm*

**Annapoorna CM:** "International Journal of Advanced Research in Science, Communication and Technology," *Sign Language to Text Conversion*

**Chaithanya L:** "International Journal of Advanced Research in Science, Communication and Technology," *Plant Disease Recognition through Deep Learning and CNNs*

**Chaithanya L:** "International Journal of Advanced Research in Science, Communication and Technology," *Demand Forecasting for Aqua Tech Technical Textiles*

**Devesh Kumar:** "International Journal of Advanced Research in Science, Communication and Technology," *Real-Time People Counting System*

**Gurumurthy M:** "International Journal of Advanced Research in Science, Communication and Technology," *Blockchain Based Voting System*

**Harshitha V:** "International Journal of Advanced Research in Science, Communication and Technology," *Brain Tumour Detection*

**Karthik C:** "International Journal of Advanced Research in Science, Communication and Technology," *Wind Power Generation Data Forecasting*

**Karthik C:** "International Journal of Advanced Research in Science, Communication and Technology," *Stock Market Price Prediction Using ARIMA Model*



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**Karthik C:** "International Journal of Advanced Research in Science, Communication and Technology," *Wind Power Generation Data Forecasting*

**Karthik C:** "International Journal of Advanced Research in Science, Communication and Technology," *Stock Market Price Prediction Using ARIMA Model*



## Students Paper Publication

**Kavya K R:** "International Journal of Advanced Research in Science, Communication and Technology," *UPI Fraud Detection using Machine Learning*

**Kavya K R:** "International Journal of Advanced Research in Science, Communication and Technology," *Leveraging Machine Learning for Predicting Chronic Kidney Disease: Techniques and Application*

**Keerthana G:** "International Journal of Advanced Research in Science, Communication and Technology," *Handwritten Digit Recognition Using Logistic Regression*

**Kottur Siddaraju Gari Sai Kiran:** "International Journal of Advanced Research in Science, Communication and Technology," *Machine Learning Classifies the Smoking and Drinking Impact*

**Lakshmi U:** "International Journal of Advanced Research in Science, Communication and Technology," *Prediction of Indian Currency Using Artificial Neural Network*

**Lakshmi U:** "International Journal of Advanced Research in Science, Communication and Technology," *Predictive Modelling for Diabetic Management: A Machine Learning Approach*

**Lohith E:** "International Journal of Advanced Research in Science, Communication and Technology," *Credit Card Fraud Detection Using Machine Learning*

**Mahesh G.M:** "International Journal of Advanced Research in Science, Communication and Technology," *Optimizing Test Automation with Selenium for Enhancing Web Application Quality*

**Mahesh G.M:** "International Journal of Advanced Research in Science, Communication and Technology," *Vitality Hub*

**Nandan S:** "International Journal of Advanced Research in Science, Communication and Technology," *Cryptocurrency Price Prediction using Machine Learning*



# Students Paper Publication

**Nisha A R:** "International Journal of Advanced Research in Science, Communication and Technology," *Keyless Bike Control System*

**Padmini Y:** "International Journal of Advanced Research in Science, Communication and Technology," *Guardian of Cybersecurity: Unveiling the Tactics in Phishing Website Detection*

**Rakshitha M V:** "International Journal of Advanced Research in Science, Communication and Technology," *SecureCloud: A Shield Against Virtual Threats*

**Saketha N:** "International Journal of Advanced Research in Science, Communication and Technology," *FINSYNC AI: Stock Market Analysis*

**Sanjay Aswath K S M:** "International Journal of Advanced Research in Science, Communication and Technology," *Crop Selection and Cultivation Using Machine Learning*

**Shobha D S:** "International Journal of Advanced Research in Science, Communication and Technology," *Detecting Missing Persons Using Face Recognition*

**Tanuja M:** "International Journal of Advanced Research in Science, Communication and Technology," *Work Sync 360*

**Tanuja M:** "International Journal of Advanced Research in Science, Communication and Technology," *Predictive Analytics for Maintenance*

**Thrupthi C P:** "International Journal of Advanced Research in Science, Communication and Technology," *Object Detection for Autonomous Vehicles Using YOLO Algorithm*

**Thrupthi C P:** "International Journal of Advanced Research in Science, Communication and Technology," *Unveiling the Shadows: A Guide For Diagnosing Leukemia And Better Outcome*





## Students Paper Publication

**Varshini H S:** "International Journal of Advanced Research in Science, Communication and Technology," *Insurance Claim Prediction*

**Varshini H S:** "International Journal of Advanced Research in Science, Communication and Technology," *Real-Time Driver State Detection Based on OpenCV and MediaPipe Libraries*

**Venkatesh S D:** "International Journal of Advanced Research in Science, Communication and Technology," *Forecasting Rate of Crime Using Machine Learning*

**Vimal Kumar E S:** "International Journal of Advanced Research in Science, Communication and Technology," *Seasonal And Trend Analysis of Drug Sales using Time Series Analysis*

**Vishal Anand N:** "International Journal of Advanced Research in Science, Communication and Technology," *Anomaly Detection System using Machine Learning Algorithms*

**Vishal Anand N:** "International Journal of Advanced Research in Science, Communication and Technology," *Procurement Management System*

**Yashaswini Kini:** "International Journal of Advanced Research in Science, Communication and Technology," *Finger Vein Detection using Deep Learning*

**Yogesh Maurya:** "International Journal of Advanced Research in Science, Communication and Technology," *Intrusion Detection System using Machine Learning*

**Yogesh Maurya:** "International Journal of Advanced Research in Science, Communication and Technology," *Climate Change Prediction*

**Lohith E:** "International Journal of Advanced Research in Science, Communication and Technology," *Credit Card Fraud Detection Using Machine Learning*

# Departmental Activities

## EVENT 1: Skill Enhancement program on python using Machine Learning

**Date:** 24/01/2024 – 31/01/2024

**Resource Person:** Dr. Deepak Kumar Sinha, Professor & PG Head,  
Department of CSE, Jain University, Bangalore



## EVENT 2: Technical Talk on Enhancing Cybersecurity using modern Technology

**Date:** 01/02/2024

**Resource Person:** Mr. Stenin N Parambath, Program Manager, Nokia,  
Bangalore





### EVENT 3: Workshop on Amazon web services

**Date:** 24/02/2024

**Resource Person:** Dr. Vinay, Team Lead, Capgemini Pvt Ltd, Bangalore



### EVENT 4: Seminar on Professional ethics

**Date:** 07/03/2024

**Resource Person:** Dr. Richa Mishra







## EVENT 5: Hands-on session on Dot net framework

**Date:** 09/03/2024

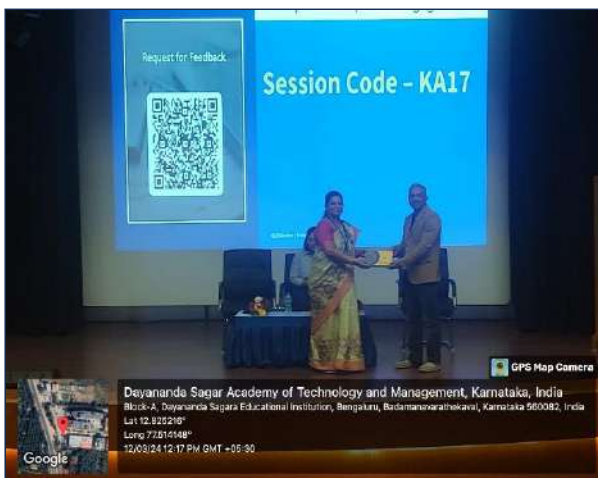
**Resource Person:** Ushasree & Diwakara Vasuman, Assistant Professors, Dept. of MCA, DSATM



## EVENT 6: Technical Session on “AI and Relevance to Business”

**Date:** 12/03/2024

**Resource Person:** Mr. Vaman Sharma, Product Leader, LTI MINDTREE & Ms. Katya Lohani, Senior Executive Talent Acquisition







## EVENT 7: Placement Orientation program

**Date:** 08/05/2024

**Resource Person:** M.N. Guruvenkatesh, Senior Vice President, Placement & Skill Development, DSI



## EVENT 8: Workshop on Microsoft SQL Server

**Date:** 08/05/2024 – 09/05/2024

**Resource Person:** Mr. Debendra Das, CEO and Founder, DV Analytics, Bangalore

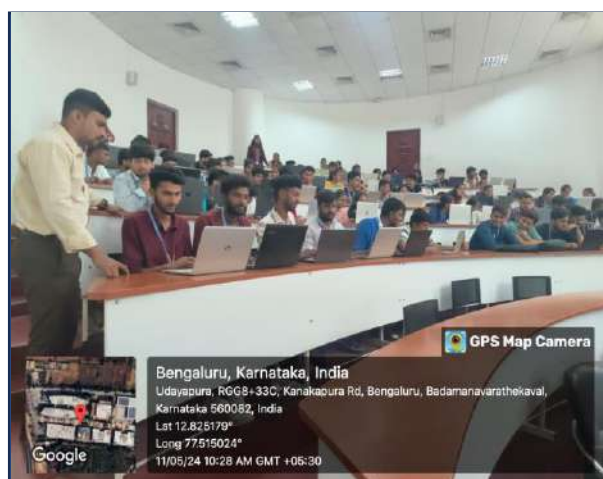




## EVENT 9: Hands-on Session on Java Project Development and Architecture

**Date:** 11/05/2024

**Resource Person:** Mr. Gagan Hebbar, Senior Software Developer, Sapiens, Bangalore



## EVENT 10: Workshop on UNIX Operating System

**Date:** 17/05/2025

**Resource Person:** Mr. Bala Subramanian, Manager, Alshaya Pvt. Ltd., Bangalore







## EVENT 11: Mastering the Art of Research from concept to publication

**Date:** 02/07/2024

**Resource Person:** Dr. Chitra Ravi, Research Director, Cybersena (R&D) India Pvt. Ltd., Bangalore



## EVENT 12: Financial Awareness

**Date:** 29/08/2024

**Resource Person:** A. Dhanalakshmi, Professor, Acharya B School, Bangalore

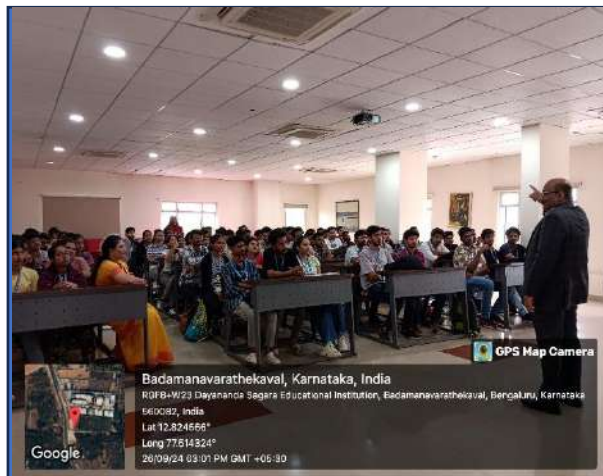




## EVENT 13: Placement Orientation Program

**Date:** 26/09/2024

**Resource Person:** Mr. M.N. Guruvenkatesh, Senior Vice President,  
Placement & Skill Development, DSI



## EVENT 14: Workshop on Building Scalable Apps Using AWS

**Date:** 28/09/2024

**Resource Person:** Dr. Vinay D R, Project Leader, Capgemini Pvt. Ltd.,  
Bangalore







## EVENT 15: Workshop on Problem Solving Skills Through DAA

**Date:** 04/10/2024

**Resource Person:** Shivamma D, Assistant Professor, Dept. of CSE, DSU



## EVENT 16: Workshop on Mastering Machine Learning using Python

**Date:** 08/10/2024

**Resource Person:** Mr. Sachin Shivakalimath, Senior Manager, Genpact India Pvt. Ltd., Bangalore





# Project Exhibition

## EVENT 17: Project Exhibition-IOT

**Date:** 20/03/2024

**Resource Person:** Dr Dilip R Professor –Dept of ECE and Dr Ravi G, Professor – Dept of ECE Dayananda Sagar Academy of technology & Management



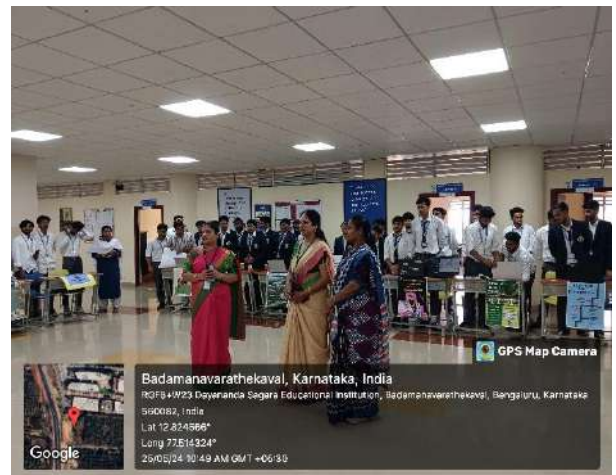


# Project Exhibition

## EVENT 18: Project Exhibition-Societal Project

**Date:** 25/05/2024

**Resource Person:** Dr. Roopa Kulkarni, Associate professor, Dept of ECE and Mrs. Sowmya, Assistant professor, Dept of ISE, DSATM





# Technical Fest - INSTELLATION

## EVENT 19: Technical Fest- Instellation-2k24

**Date:** 25/07/2024 to 27/07/2024

**Chief Guests:** Mr. Chandrappa S Associate director, Cognizant and Mr Manjunatha P, Manager and Product Development, Epicof



REVEAL THE PRESENCE





# Technical Fest - INSTELLATION

## Technical Fest Winners List

| Event Name         | Winner College Name           | Winner Participants Name | Runner Up College Name    | Runner Up  |
|--------------------|-------------------------------|--------------------------|---------------------------|------------|
| Codexplor e        | ATRIA INSTITUTE OF TECHNOLOGY | HARSHIT, ADITIYA         | BMSIT                     | HITESH B   |
| Quizzofobs         | RVCE                          | LAKSHMISAGAR J M         | SURANA COLLEGE, SOUTH END | ABHISHEK V |
| Design Dive        | SURANA, KENGERI               | SUDEEP N                 | -----                     | -----      |
| It Crown           | BMSCE                         | SARVESH M K              | -----                     | -----      |
| Battle Of Extremes | CMRU                          | DHANUSH M                | -----                     | -----      |
| Seekers Of Secrets | SIT                           | HARSHITH N BALI          | -----                     | -----      |
| Pixelup            | SIT                           | MOHAMMED NAUMAN          | -----                     | -----      |

Overall, Champions

Siddhanta Institute of Technology

# Industrial Visit

EVENT 20: Industrial visit to Capgemini

Date: 17/07/2024





# Industrial Visit

## EVENT 21: Industrial visit to Capgemini

Date: 18/10/2024







## Third Semester Toppers

MCA 2022 - 2024 Batch



ANNAPOORNA C M  
1DT22MC008



SHOBHA D S  
1DT22MC044



TANUJA M  
1DT22MC049



VIMAL KUMAR E S  
1DT22MC057



SIMRAN TANWANI  
1DT22MC045



SRINIDHI KULKARNI  
1DT22MC047

## Fourth Semester Toppers



SHOBHA D S  
1DT22MC044



AKSHAYA A  
1DT22MC005



SIMRAN TANWANI  
1DT22MC045



# First Semester Toppers

## Placement

MCA 2023 - 2025 Batch



ANKITH KUMAR  
1DT23MC002



VEERESH ANKALAG  
1DT23MC105



BHAVANA DATTATREYA BHAT  
1DT23MC002

## Second Semester Toppers



ANKITH KUMAR  
1DT23MC002



ADITHIYA K L  
1DT23MC004



MONISHA L  
1DT23MC057



NAGARAJ KRISHNA  
1DT23MC060

# Student Corner



## **The Rise of Artificial Intelligence: A New Era of Possibilities**

Artificial Intelligence, or AI, is no longer a distant dream from science fiction — it is one of the most transformative forces of our time. Every day, we interact with AI-powered tools, whether we are unlocking our smartphones using facial recognition, getting product recommendations while shopping online, or navigating with GPS that predicts traffic. Behind the scenes, AI is working silently, analysing massive amounts of data, making decisions, and learning as it goes.

### **What is AI and Why Does it Matter?**

AI refers to the simulation of human intelligence by machines. It allows computers to perform tasks that usually require human intelligence — such as understanding natural language, recognizing speech and images, making decisions, and solving problems. Machine Learning, a subset of AI, enables systems to learn from data and improve over time without being explicitly programmed.

AI matters because of its vast potential to revolutionize industries, solve complex problems, and enhance human capabilities. It's already helping doctors detect diseases early, assisting farmers with crop planning, enabling smarter financial systems, and making education more accessible.

### **AI in Our Daily Lives**

Students may not always realize how often they use AI every day. When you speak to Google Assistant, use Grammarly to check your essays, or get music suggestions from Spotify — AI is working behind the scenes. Even social media platforms like Instagram and YouTube use AI to analyse your interests and tailor your feeds.





# Student Corner

Learning the basics of AI, such as understanding algorithms, data handling, and ethical considerations, can give students a competitive edge in the job market. Today's students are tomorrow's innovators — and AI is the toolkit for building the future.

## Challenges and Ethical Concerns

Despite its potential, AI also raises important questions. Who is responsible when an AI system makes a wrong decision? Can machines truly understand human values? What about data privacy and the potential loss of jobs due to automation?

These concerns highlight the importance of developing **ethical AI** — systems that are transparent, fair, and accountable. Governments, companies, and institutions around the world are working to set guidelines and frameworks to ensure that AI is used responsibly.

As future professionals, it is crucial for students to understand not just how AI works, but how it impacts society. The goal is not to fear AI, but to guide its development with human-centric values.

## The Road Ahead

The journey of AI has only just begun. From building smart cities and sustainable energy systems to combating climate change and improving mental health care — the possibilities are endless. AI can be a force for good, and its impact will depend on how we choose to harness it.

For students, this is a call to action. Whether you want to become an AI engineer, a policymaker, a healthcare worker, or an entrepreneur — understanding AI can empower you to drive change.

# Student Corner

Start by learning the basics, stay updated with advancements, explore open-source projects, and most importantly, think critically about the ethical use of technology.

## In Conclusion

Artificial Intelligence is not just about machines — it is about **human potential**. It is about how we can use technology to solve problems, improve lives, and build a better world. As students, you are not just users of AI — you are the next generation of thinkers, creators, and changemakers.

Let AI be your ally in this exciting journey of growth and innovation. The future is intelligent — and it begins with you.

**Compiled by,**

**Chandana R**

**MCA III Semester**



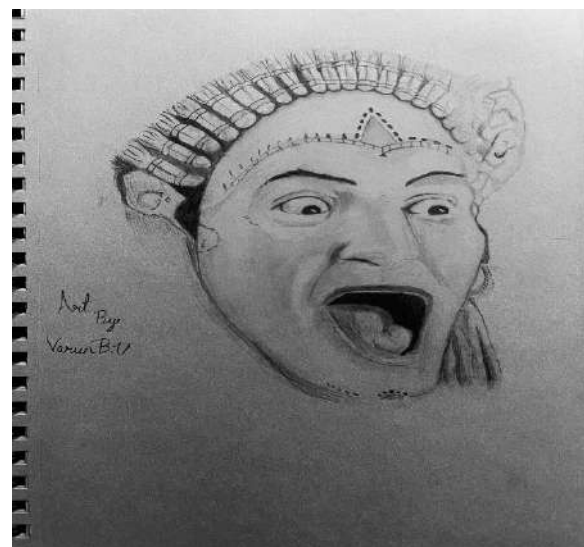
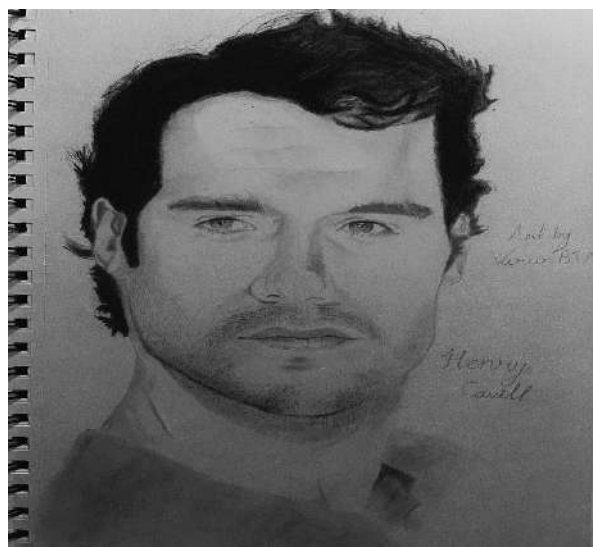
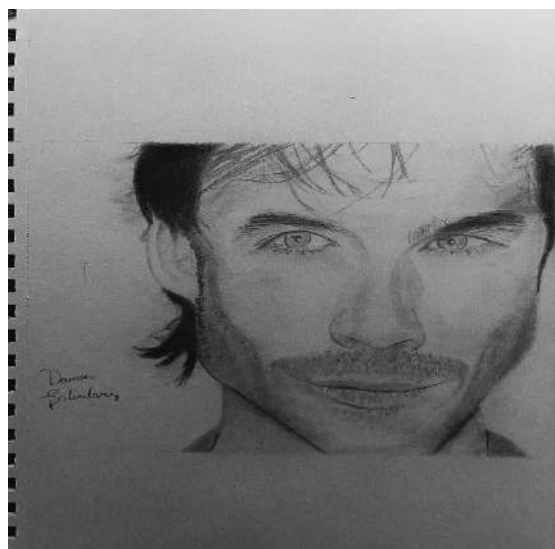
# Student Sketches



Students Of 1<sup>st</sup> And 3<sup>rd</sup> Semesters



# Student Sketches



Students Of 1<sup>st</sup> And 3<sup>rd</sup> Semesters

# Editorial Members



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Professor & Head

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**Mrs. Usha Sree R**  
Assistant Professor

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III Semester



**Monisha L**  
III Semester