



NEWS LETTER

JULY - DECEMBER 2024



Department Of Artificial Intelligence and Data Science

(NextGen AI Club)

Department Vision

To build a conducive academic and research environment to produce competent Professionals to the dynamic needs of the emerging trends in the field of Artificial Intelligence and Data Science.

Department Mission

- To establish a unique learning environment to empower students with innovative teaching learning processes that meets the dynamic requirements of the industries.
- To sensitize students to solve societal issues through AI techniques by inculcating values and ethics.
- To foster research aptitude and to enhance employability and entrepreneurial skills through experiential and self-directed learning.

Achievements

NPTEL Course Completion	: 4
Events Organized	: 2
Patent Publications	: 2
FDP Participations	: 06
Student Internship	: 37
Student Online Certification	: 330
Faculty Appreciations	: 3

Mrs.A.Ruba Head of the department

It is with immense pleasure that I extend my warmest greetings to all as we unveil this edition of our Artificial Intelligence & Data Science Department Newsletter. This publication serves as a platform to showcase the remarkable achievements, innovative projects, and research contributions of our students and faculty.

In an era where AI and data-driven technologies are revolutionizing industries, our department remains committed to fostering excellence in education, research, and innovation. We take pride in nurturing young minds to become skilled professionals who can drive technological advancements and address real-world challenges.

I commend the relentless efforts of our students and faculty in making this newsletter a reflection of our department's progress and vision. Let us continue to strive for excellence, explore new frontiers, and contribute meaningfully to the evolving landscape of Artificial Intelligence and Data Science.

BEST WISHES TO ALL, AND CONGRATULATIONS ON THIS WONDERFUL ACHIEVEMENT!

NPTEL Course completion



Mrs. A. Ruba has been awarded the ELITE-SILVER certification in NPTEL for the course "Technical Communication for Engineers."



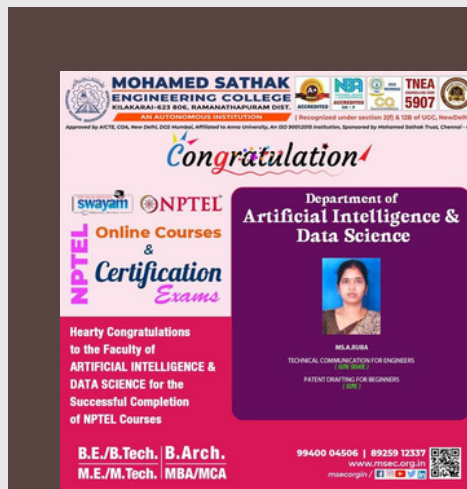
Mrs. A. Ruba has been awarded the ELITE certification in NPTEL for the course "Patent Drafting for Beginners."



J. JEBASHELTON has been awarded with NPTEL Certificate for scoring 51% in Deep learning course.



J. SHAJIA FAHIMA has been awarded with NPTEL Certificate for scoring 55% in Joy of computing using python course.



PATENT PUBLISHED

- Mrs. A. Ruba has published a patent on "Impact of AI model in E-commerce companies for personalized Recommendation".
- Mr. M. Gughan Raja published a patent entitled "Machine Learning approaches for rainfall prediction and crop health management in intelligent agriculture".

STUDENT ACHIEVEMENTS IN APR/MAY'24 EXAMINATIONS

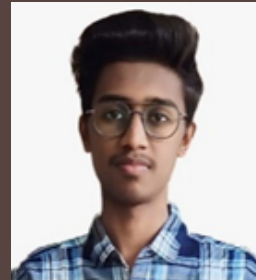
AI&DS (2022-26)



AHAMED FIRAZ S
8.67 GPA



AL RIDA S
8.63 GPA



JEBA SHELTON J
8.58 GPA

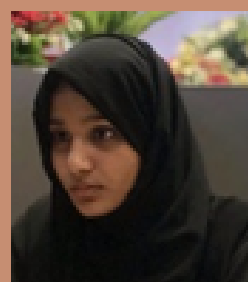
AI&DS (2023-27)



JAWAHAR NISHA J
9.08 GPA



LOGEETHA SRI B
8.92 GPA



FATHIMA SHAAFIYAH J
8.88 GPA



INDUSTRIAL VISIT

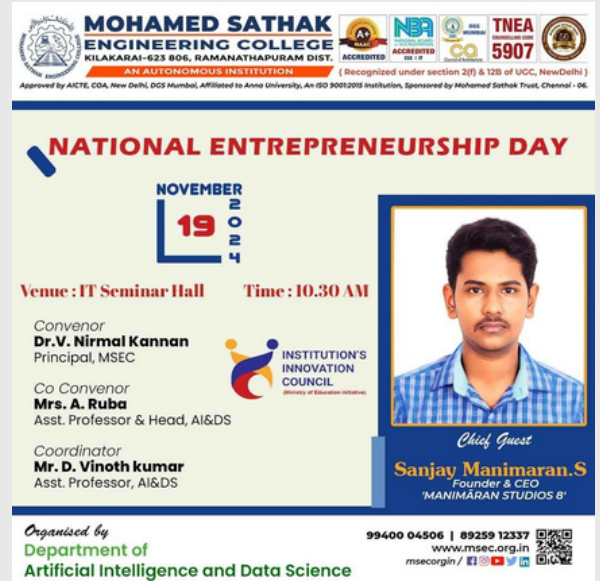
On 10 OCT 2024, ten students from our department visited HCL Technologies, Madurai. The visit provided insights into the company's work environment and latest technologies. Students interacted with experts who shared valuable knowledge about IT trends and career opportunities. It was an inspiring and educational experience for everyone.

EVENTS ORGANIZED

The Department of AI&DS at Mohamed Sathak Engineering College hosted National Entrepreneurship Day on November 19, 2024.. Sanjay Manimaran S, Founder & CEO of Manimaran Studios 8, shared insights on startups, challenges, and innovation.

Dr. V. Nirmal Kannan, Principal of MSEC, inaugurated the event, emphasizing entrepreneurship's importance. Sessions covered AI in business, startup strategies, and government funding. Coordinated by Mrs. A. Ruba and Mr. D. Vinoth Kumar, the event included interactive discussions and a live Q&A.

Organized by the Institution's Innovation Council, the event inspired students to explore entrepreneurship.



The "Uncovering Cybersecurity: Guidance to Penetration Testing" seminar was held in the IT Seminar Hall, organized by the Department of Artificial Intelligence and Data Science and the NextGenAI Club. Mr. Thillairaj Selvakkanni, a Security Analyst at Novalnet E-Solutions Pvt. Ltd., was the guest speaker, delivering an insightful lecture on cybersecurity fundamentals, penetration testing, and ethical hacking.

NEXTGEN AI

Every Saturday, our club organized engaging club activities, providing students with opportunities to enhance their skills, explore new interests, and foster teamwork. These activities range from Technical events to Non Technical events.

Students actively participate in these events, showcasing their talents and enthusiasm. The recent competitions saw an impressive turnout, with participants demonstrating innovation, problem-solving, and teamwork. These activities not only contribute to their personal and professional development but also create a vibrant and dynamic learning environment.



STUDENT ACHIEVEMENTS



TEAM KALAM TECH have reached grand finale of the SMART INDIA HACKATHON and earned special mention from judges.



HANIF ZAYED SHARIF M from the 3rd year has won 2nd prize at DISTRICT YUVA UTSAV 2024-25 science mela.



J.JAWAHAR NISHA has secured 3rd place in CM TROPHY WOMENS BADMINTON.

Department Website Launched!



We are proud to announce the successful launch of our AI & Data Science Department Website, inaugurated by our respected Principal on 29th Nov 2024. This platform will showcase our department's activities, achievements, and resources, fostering innovation and collaboration.

Special appreciation to our dedicated team, led by Jeba Shelton (3rd Year) and supported by talented students from 2nd and 3rd years. Their hard work and commitment made this vision a reality. This website will serve as a hub for students, faculty, and industry partners.

Visit us at msec-aids.web.app

FACULTY ACHIEVEMENTS



Mrs. A. Ruba has awarded with NPTEL Certificate for scoring 83% with ELITE-SILVER Grade for Technical Communications For Engineers course.



Mrs. A. Ruba has awarded with SIH-2024 mentor Certificate for participating in the Grand Finale of Smart India Hackathon 2024.



Mrs.A.Ruba has conducted Spoken Tutorial IT Skills training Course and appreciated with Organizer certificate by Spoken Tutorial – IIT Bombay.

FACULTY PARTICIPATIONS

- Mr. M. Gughan Raja has completed a one-day FDP training on Data Science, conducted as part of the IBM Career Education Program.
- Mrs. A. Ruba has successfully completed a training on Gen-AI and Prompt Engineering Using Microsoft Co-Pilot, conducted by BNM Institute of Technology, D.Y. Patil Agriculture and Technical University, and Marwadi University in collaboration with ExcelR Edtech Pvt. Ltd.
- Mr. M. Gughan Raja has attended the Microsoft Digital Skills Training, organized by the Naan Mudhalvan Programme of Tamil Nadu Skill Development Corporation.
- Mrs. A. Ruba has attended a Five Days Online Workshop on Foundation of Stock Market for Beginners, organized by Star International Foundation for Research and Education.
- Mrs. G. Gayathri has participated in the Five Days Online Workshop on Foundation of Stock Market for Beginners, organized by Star International Foundation for Research and Education.
- Mrs. A. Mariam Aysath Minha has attended the Five Days Online Workshop on Foundation of Stock Market for Beginners, organized by Star International Foundation for Research and Education.
- Mr. D. Vinoth Kumar has completed a online course on "Circular Econmy" on 11.08.2024 conducted by HP LIFE.
- Mrs. G. Gayathri has attended a session on DDoS Defense 101: Safeguarding Your Network from Attacks, conducted by NoviTech R&D Private Limited.
- Mrs. G. Gayathri has completed a one-day masterclass on Data Science using Gen AI and Python, conducted by Scalar Masterclass.
- Mrs. G. Gayathri has engaged in a one-day masterclass on Top Design Patterns in Java, organized by Scalar Masterclass.
- Mrs. A. Ruba has enrolled in the NPTEL Faculty Development Program on Technical Communication for Engineers, a four-week course.
- Mrs. A. Ruba has participated in the FDP on Recent Advancements in AI & IoT - Industry Perspective, organized by Periyar Maniammai Institute of Science & Technology, Vallam, Thanjavur.
- Mrs. G. Gayathri has attended the FDP on Recent Advancements in AI & IoT - Industry Perspective, organized by Periyar Maniammai Institute of Science & Technology, Vallam, Thanjavur.
- Mr. D. Vinoth Kumar has taken part in the FDP on Recent Advancements in AI & IoT - Industry Perspective, organized by Periyar Maniammai Institute of Science & Technology, Vallam, Thanjavur.
- Mrs. G. Gayathri has completed a online course on "The Role of NLP in Modern Data science" on 08.11.2024 conducted by GUVI.

STUDENT INTERNSHIP



Our 3rd-year AI & DS students have embarked on 1-month internships at various companies, gaining hands-on experience and industry exposure to enhance their practical skills.

FACULTY DETAILS

Mrs. A.Ruba, M.E., Assistant Professor –HOD

Mr. M.Gughan Raja, M.E., Assistant Professor.

Mr. D.Vinoth Kumar, M.E., Assistant Professor.

Mrs. G.Gayathri, M.E., Assistant Professor.

Mrs. A.Mariam Aysath Minha, B.E., Teaching Assistant.

EDITORIAL BOARD

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