

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



**Department
Magazine**

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CONTENT

- 01** ABOUT THE INSTITUTION
- 02** ABOUT THE DEPARTMENT
- 03** DEPARTMENT VISION & MISSION
- 04** PROGRAMMES ORGANIZED
- 05** STUDENTS ACHIVEMENTS
- 06** STUDENTS ADDITIONAL PURSUITS

01

ABOUT THE INSTITUTION



VISION



To be an institute of repute in the field of Engineering and Technology by implementing the best Educational practices akin to Global standards for fostering domain knowledge and developing research attitudes among students to make them Globally competent.

ABOUT THE INSTITUTION



MISSION



Achieving excellence in Teaching Learning process using state-of-the-art resources
Extending opportunity to upgrade faculty knowledge and skills
Implementing the best student training practices for requirements of industrial scenario of the state
Motivating faculty and students in research activity for real time application.

02

ABOUT THE DEPARTMENT

The Department of Artificial Intelligence and Data Science was established in the academic year of 2020-21 with a sanctioned intake of 60 students to produce competent engineers in the field of Artificial Intelligence (AI). Department offers a broad spectrum of activities in AI with its sub domains like Machine Learning, Neural Network, Robotics and Expert Systems, Natural Language Processing and Fuzzy Logic. Data science is a concept to ally statistics, data analysis, informatics and their allied methods in order to understand and analyse actual phenomena with data. This course will also facilitate the Students for multidisciplinary initiative to equip with Statistical, Mathematical Reasoning, Knowledge Discovery, and Visualization Skills with a cutting edge combination. The Department has well established and equipped lab facilities with advanced software contended to the curriculum.

03

DEPARTMENT'S VISION & MISSION

VISION

Envision to have Global recognition by producing high quality, creative and ethical engineers and technologists to contribute effectively through innovations and research excellence in the advancing field of Artificial Intelligence and Data Science.

MISSION

M1: To empower the cognitive skills of the students in the pioneering domain of Artificial Intelligence and Data Science by providing content-based learning with quality teaching and learning opportunities, industry institute interaction activities, and centers of excellence.

M2: To transform professionals into technically competent to contribute to society positively by inducing entrepreneurship skills through collaborative teaching, innovations, and research

PROGRAMMES ORGANIZED

04

Taking Flight: Innovative Applications of Drones in Artificial intelligence

In a groundbreaking convergence, Artificial Intelligence (AI) and drones are reshaping industries. Precision agriculture sees AI-equipped drones optimizing crop health and resource use, ensuring sustainable farming. In disaster scenarios, AI drones with image recognition aid search and rescue, drastically cutting response times. Environmental monitoring benefits from drones tracking deforestation and wildlife, contributing to conservation efforts. For infrastructure inspection, AI drones autonomously identify issues in critical structures, enhancing safety and reducing costs.

Urban planning embraces aerial intelligence, with drones analyzing traffic and air quality for smarter cities. This synergy is transforming how we perceive and utilize drones, unlocking unprecedented potential in various sectors. The skies are no longer limits but platforms for AI-driven advancements, promising a future of innovation that transcends boundaries.

Soaring Beyond Limits with AI-Infused Drone Technology



As we witness the fusion of AI and drone technology, it's evident that the sky's the limit for their collaborative potential. From optimizing agriculture to safeguarding the environment and reshaping urban landscapes, the applications are as diverse as they are impactful. The future promises even more innovations as these technologies continue to evolve. In the era of AI-infused drones, we are not just witnessing flight; we are witnessing the soaring evolution of intelligence from the skies.

STUDENTS ACHIEVEMENTS

05



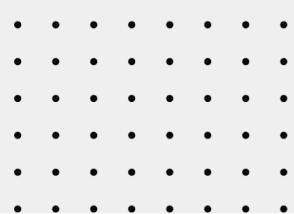
Embarking on an exciting journey from our Department of Artificial Intelligence & Data Science, our visionary students are set to dazzle as they pitch groundbreaking ideas to our College Executive Director. The promise of innovation and excellence has earned them the golden ticket—incubation at our cutting-edge center. Adding to the thrill, our initiative is backed by none other than Suresh Sambandam, the dynamic CEO of Kissflow, who has graciously issued the memorandum of understanding. Get ready for a future where ideas soar, possibilities unfold, and success is redefined!"

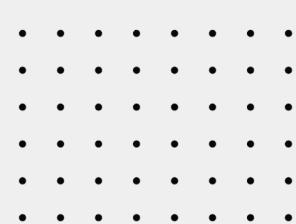


Dhanush, one of our talented students, recently participated in the story writing competition at Mahendra College of Engineering and Technology, Salem, and emerged as the winner of the 1st prize. His exceptional storywriting abilities and creativity shone brightly, earning him this well-deserved honor.



Hariharan, a talented student at our college, recently participated in the photographic competition at the prestigious Influx event and clinched the 1st prize. His incredible eye for detail and artistic flair have earned him this well-deserved recognition.





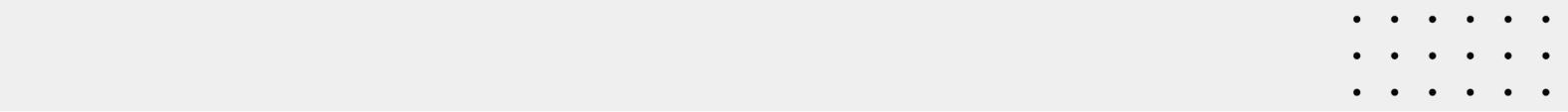
Akshayan, one of our talented students, recently showcased his artistic prowess at the Poster Design competition held at Gnanamani College of Engineering and Technology, Namakkal. We are thrilled to announce that he clinched the 3rd prize, making us immensely proud.



Three of our outstanding students, Dhanush Kumar, Prabhu, and Hariharan, secured the 3rd prize in the paper presentation competition at Mahendra College of Engineering and Technology, Salem. Their remarkable achievement reflects their dedication and intellect, making us proud and reinforcing our commitment to academic excellence. Congratulations to these exceptional students! We look forward to their continued success.



In a demonstration of academic excellence, Prabu, a dedicated student at our college, recently participated in the ECE Department's Paper Presentation Competition and secured the 2nd prize.



06

STUDENTS ADDITIONAL PURSUITS

Latchiya's Insightful Journey into Virtual Reality Evolution

We celebrate the remarkable work of Latchiya.l, a talented student who embarked on a fascinating exploration of the evolution of virtual reality. Her insightful article delves into the history, growth, and promising future of this cutting-edge technology. This article is a testament to Latchiya's passion for technology and her commitment to broadening our understanding of this exciting field. We look forward to more of her exceptional contributions in the future.



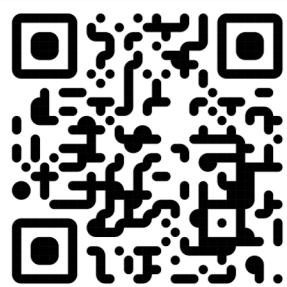
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Udhai Kumar's Artistic Tribute to Freedom Fighters

Udhai Kumar, a talented student with a keen artistic eye, has beautifully captured the essence of our nation's unsung heroes. Through his remarkable sketches, he pays homage to the valiant freedom fighters who dedicated their lives to securing our nation's independence.

Udhai Kumar's artwork not only showcases his artistic prowess but also serves as a touching reminder of the sacrifices made for our freedom. We applaud his dedication and his ability to convey powerful messages through his art.



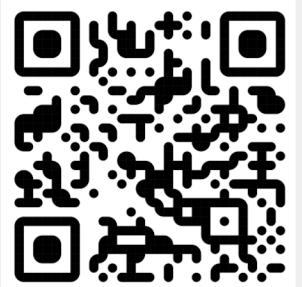
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Praveen's Artistic Homage to Jawaharlal Nehru: A Freedom Fighter's Legacy

In a stunning display of artistic talent, Praveen, a gifted student, has paid a heartfelt tribute to one of our nation's most iconic figures, Jawaharlal Nehru. Through his evocative sketches, he brings to life the legacy of our first Prime Minister, who was not only a visionary leader but also a prominent freedom fighter.

Praveen's artwork beautifully captures the essence of Jawaharlal Nehru, showcasing his dedication and love for the country. This artwork not only reflects Praveen's artistic prowess but also serves as a powerful reminder of the contributions of our founding leaders.



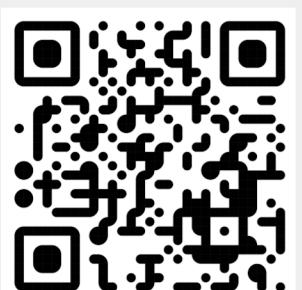
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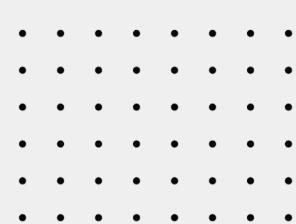
Mohana's Insightful Dive into the World of AI- Powered Self-Driving Cars

We are delighted to feature the work of Mohana, a talented student who has delved into the fascinating world of self-driving cars powered by artificial intelligence (AI). Her insightful article sheds light on the cutting-edge technology driving the future of transportation.

Mohana's well-researched article not only demonstrates her depth of knowledge but also highlights her passion for technology and innovation. Her work provides valuable insights into the transformative potential of AI in the automotive industry.



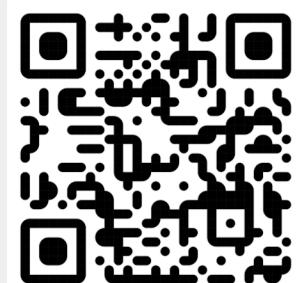
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Dhanush's Poetic Ode to Engineers' Struggles in Tamil

Dhanush, a talented student, has beautifully woven the challenges and triumphs of engineers into a stirring Tamil poem. His verses resonate with the dedication and perseverance of those who strive to build a better future through engineering.

Dhanush's poem not only showcases his literary prowess but also highlights the importance of acknowledging the struggles and achievements of engineers. We commend his ability to capture the essence of their journey in the Tamil language.



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Kiruthick Raj's Tamil Poem: A Soothing Ode to Peace

Kiruthick Raj, a student with a gift for poetic expression, has penned a captivating Tamil poem that beautifully explores the theme of peace. His verses envelop readers in a world of tranquility, offering solace in a sometimes chaotic world.

Kiruthick Raj's poem reflects not only his profound understanding of the concept of peace but also his ability to convey it through the richness of the Tamil language. We commend his talent for using poetry as a means to inspire and uplift.



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