ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

NEWSLETTER

JUL-SEPT'2024-25

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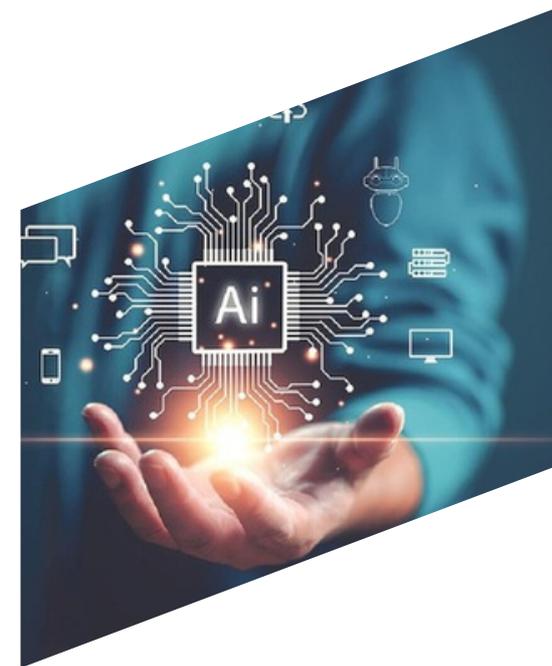
ABOUT SAEC

S.A Engineering College offers the students with advantageous atmosphere with state-of-the-art facilities, distinguished mentors, and pleasant educational environment. The institution provides the employability and communication skills for the development of students. It provides quality education in an environment of discipline. The focus is on shaping students to become self-disciplined, self-dependent and self-confident individuals. SAEC pulls out all the stops to mould the students career in such a way that they excel in all fine distinction of life. The College's stand is not only on mere acquisition of course knowledge and its application but also on the over all personality development of the student and his value system. The infrastructure facilities have also been made to allow detailed learning ambience for the students. The full-fledged eco-friendly campus offers a quality environment to the students.

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S.A.Engineering College

www.saec.ac.in

VISION

To be a Centre of Excellence in producing excellent standards of professionals through quality education with moral values.

MISSION

To provide a conducive learning atmosphere with the state of the art infrastructural facilities to enable our students to develop into globally competent professionals with high ethical standards. Enabling students to get expertise in critical professional skills with data science education in solving real world complex problems. To enable the students with essential skills for improving employability, entrepreneurship, continuing education and research.

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AI CLUB INAUGURATION

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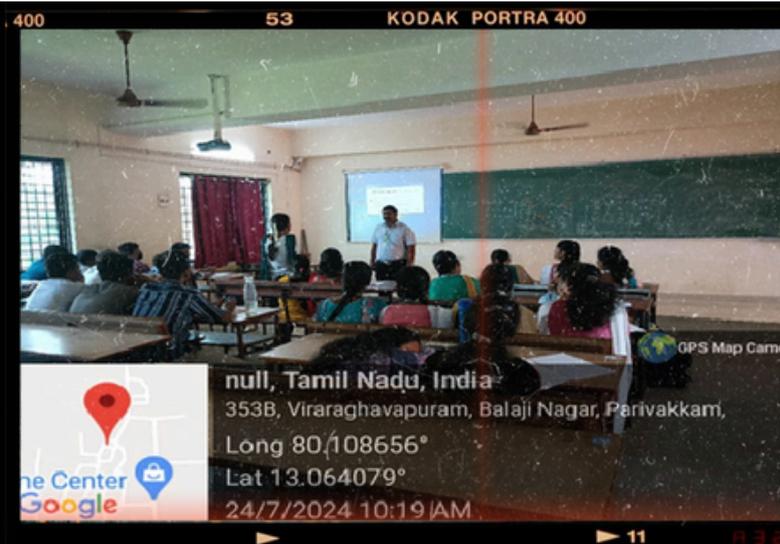Long 80.109510°
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AI CLUB INAUGURATION

Our Department Inaugurated Artificial Intelligence club for our students to connect members with professionals, researchers, and peers in the AI field. Facilitate practical experience through projects, hackathons, and coding challenges.

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Gate Coaching Class

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Gate Coaching Class

Our department has started training our students to prepare for the GATE exam, which tests knowledge in engineering and science subjects for higher education and job opportunities. It is aimed at students and professionals seeking postgraduate studies or job opportunities in public sector companies

GUEST LECTURE

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Guest Lecture on Digital Marketing Tactics for early stage entrepreneurs

Our 3rd-year students learned how to optimize their websites for search engines to increase visibility and organic traffic. They also learned to focus on platforms where their target audience is most active (e.g., Facebook, Instagram, LinkedIn) and use Google Ads or other PPC platforms to drive targeted traffic to their websites.

INTERNSHIP
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Internship certified students on IOT Innovations : Real World applications for present day challenges

Our 3rd-year students A.S. Aruna Shree, S. Raghul, and S. Karthikeyan attended an internship on 'IOT Innovations: Real-World Applications for Present-Day Challenges' conducted by Anna University. During the internship, they developed projects on IoT-based alcohol and driver drowsiness detection and road accident prevention.

GUEST LECTURES

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1.Exploring the Object Oriented Programming Concept with JAVA

Our second-year students learned about Object-Oriented Programming (OOP), a programming paradigm based on the concept of objects, and explored the OOP concepts commonly used in industrial standards.

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2.Machine Learning and Formal Concept Analysis

Our third- and final-year students learned that Machine Learning is a subset of artificial intelligence involving the training of algorithms to learn from data and make predictions or decisions without explicit programming. They also studied Formal Concept Analysis, which provides a framework for analysing relationships and structures within data

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3. AI Integrated Business Intelligence

Our third- and final-year students learned about advanced analytics, the automation of routine tasks, and how to offer deeper insights into data. This knowledge enhances decision-making, increases efficiency, and scales data processing capabilities. Despite its challenges the integration of AI and business intelligence (BI) is becoming increasingly essential for organizations seeking to leverage data for a competitive advantage.
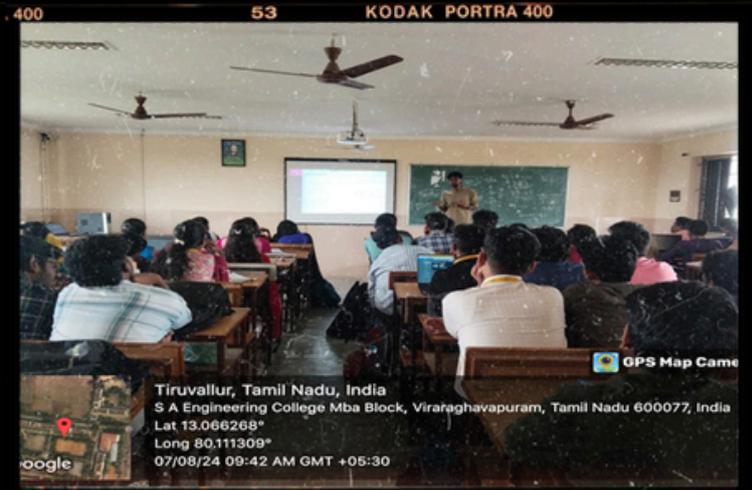
4.Cybersecurity

Our final-year students learned about implementations in multiple areas, including network, application, endpoint, and cloud security. Effective cybersecurity requires a combination of technology, policies, and practices, and must continuously adapt to the ever-evolving threat landscape
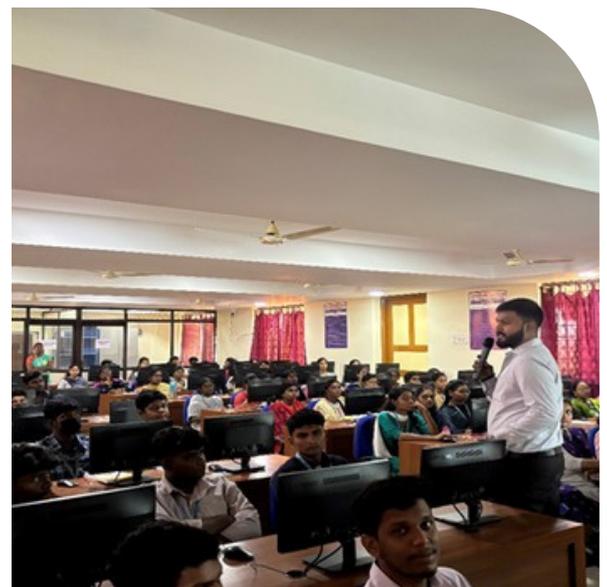
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5.INDUSTRIAL INTERNET OF THINGS WITH REALTIME APPLICATIONS USING IOT CLOUD

Our third-year students learned about integration of IoT with cloud technology enables industries to become more agile, efficient, and responsive to changes in the operational environment. By harnessing real-time data, businesses can drive innovation and maintain a competitive edge.

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6.Knime Analytics Platform No Code/Low Code for Aspiring Data Scientist

Our college AI Club and second-year students learned about an excellent choice for aspiring data scientists: a powerful no code/low code environment that enhances accessibility and encourages hands- on learning in data science. Its visual approach and extensive features empower users to unlock the potential of data without requiring extensive coding skills.

VALUE ADDED COURSE

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Python With Mongo DB

Our final year students learned about creating a robust environment for managing and interacting with NoSQL databases. By using the pymongo database operations such as connecting, inserting, querying, updating, and deleting documents, as well as library, they can perform various utilizing advanced features like indexing and aggregation. Understanding these basics will help them leverage MongoDB's flexibility and scalability in their Python applications.

VALUE ADDED COURSE

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DATA VISUALIZATION WITH PANDAS AND MATPLOTLIB

Our 3rd-year students learned about Data Visualization and Matplotlib Basics, Advanced Plotting Techniques with Matplotlib ,Data Handling with Pandas and Time Series Visualization, Advanced Data Visualization Techniques ,Data Visualization Best Practices and Real-world Applications Interactive Dashboards with Dash/Streamlit.

HACKER SHOWCASE
Dr. MGR UNIVERSITY

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Hacker showcase

Our second-year students, Mr. Aditya Kalidas, Mr. Hari Krishnan R., and Mr. Azeez V., attended the Hacker Showcase held at Dr. MGR University on September 3, 2024, and won second prize

INDUSTRIAL VISIT- STPI

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Industrial Visit-STPI Chennai

Our second -year students Visits software technology parks of India and gained knowledge about infrastructure, policy support, and focus on skill development, it continues to drive growth and innovation in the Indian software industry

ONAM CELEBRATION

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Onam Celebration Our department's students celebrated the Onam festival as a vibrant expression of Kerala's culture and heritage. It highlights themes of generosity, community, and gratitude for the bountiful harvest, making it a joyous occasion for all.

HERMEX 2K24 - SAVEETHA DEEMED UNIVERSITY

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HERMEX 2K24

saveetha deemed University Corporate Walk Runners Our third-year student S.S.Balasubramanian, attended and won second prize in the "HERMEX 2K24 - Corporate Walk Runners" event conducted by Saveetha Deemed University.

MR.FIZZ - FASHION EVENT

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MR.FIZZ- fashion event title- Rotaract club of madras Our third-year student S.S.Balasubramanian, attended and won MR.FIZZ fashion event titleconducted by Rotaract club of madras

WORKSHOP - CLOUD COMPUTATION

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Workshop ON BOOTCAMP ON CLOUD COMPUTATION TECHNOLOGIES

Our third-year and final-year students attended a three-day workshop on "Bootcamp on Cloud Computing Technologies," conducted by C-DAC. They gained knowledge about how Advanced Computing is uniquely positioned to establish a dependable and secure Exascale Ecosystem, offering services in various domains such as Futuristic Research, Applied R&D, and Applications and Services.

ZOHO - LOW CODE NO CODE

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Zoho - Low code no code

Our third-year students(Aruna Shree A.S, Lavanya R, Agalya S, Nivetha S, Swetha M , YAMUNA SRI. M ,Naveen Kumar T, and Raghul S attended the training and received certification Zoho - Low code no code

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Technical Talk Outcome based education (OBE)

Our faculty members learned about a student-centered approach that focuses on achieving defined learning outcomes. This approach involves designing curriculum and assessments around these outcomes to ensure that students acquire the necessary skills and knowledge.

While Outcome-Based Education (OBE) offers clarity, accountability, and flexibility, it also presents challenges in defining and aligning outcomes, as well as in providing the necessary resources and training for effective implementation.