SRM
VALLIAMMAI
ENGINEERING COLLEGE

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Where Data Speaks and Intelligence Evolves

Engineering Tomorrow's Intelligence, Today

IN A WORLD POWERED BY DATA, INTELLIGENCE IS THE KEY TO INNOVATION. AI AND DATA SCIENCE FUEL DISCOVERIES, AUTOMATE SOLUTIONS, AND REDEFINE POSSIBILITIES. LET'S EMBARK ON A JOURNEY WHERE TECHNOLOGY MEETS TRANSFORMATION

ABOUT THE COLLEGE

SRM Valliammai Engineering College, established in 1999 in Kattankulathur, Chennai, is an autonomous institution affiliated with Anna University and approved by AICTE. The college offers 11 undergraduate programs, including B.E. in Computer Science and Engineering, Electronics and Communication Engineering, and B.Tech. in Information Technology and Artificial Intelligence & Data Science. Additionally, it provides 9 postgraduate programs, such as M.E. in Structural Engineering, Computer Science, and an MBA.

The institution holds NBA accreditation for eligible courses and NAAC accreditation with an 'A' grade, reflecting its commitment to academic excellence. It was granted autonomous status by UGC and Anna University, allowing greater flexibility in curriculum design and research initiatives. With a strong emphasis on innovation and industry collaboration, the college continues to nurture skilled professionals ready to meet global challenges.

VISION & MISSION

SRM Valliammai Engineering College aims to be a leading institution in engineering education, fostering innovation, research, and excellence to meet global and societal needs. It is committed to developing technically skilled professionals with strong ethical values and leadership qualities.

The college provides quality technical education through advanced learning methodologies and hands-on training. It promotes research, innovation, and industry collaboration, equipping students to solve real-world challenges. With a focus on lifelong learning and professional excellence, it strives to bridge the gap between academia and industry for national and global progress.

ABOUT OUR DEPARTMENT

The Department of Artificial Intelligence and Data Science at SRM Valliammai Engineering College, established in 2020, is dedicated to providing high-quality education and fostering research excellence in AI and Data Science. The department offers a comprehensive B.Tech program designed to equip students with a strong foundation in core computing subjects such as Programming, Data Structures and Algorithms, Operating Systems, Database Management Systems, and Computer Networks.

In addition, the curriculum integrates advanced topics including Artificial Intelligence, Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, and Generative AI. With a focus on innovation and industry relevance, the department ensures that graduates are well-prepared to meet the growing demand for skilled professionals in emerging technologies. The department also features well-equipped laboratories with over 90 high-end computers and essential software to support hands-on learning and research.

PLACEMENTS

COGNIZANT

DHANUSH N
4 LPA

JAI HARISH SATHESHKUMAR
4 LPA

JANANI S
4 LPA

MANJUSHREE R
4 LPA

THERESH R
4 LPA

SKILL INTERN PVT LTD

DHILIP KUMAR B
5.2 LPA

KAMALES M
5.2 LPA

HCL TECH

SUJA M
5.2 LPA

PLACEMENTS

SUTHERLAND

SOMESH VARMAN A
2.75 LPA

KRITHIK ADITYA S
2.75 LPA

SHYAM GANESH S
2.75 LPA

HEXAWARE TECHNOLOGIES CAMPUS DRIVE

PRASANNA RAVI R
4 LPA

JAANAVEE S V
4 LPA

MANJUSHREE R
4 LPA

SRI HARINE S
4 LPA

HARSHINI P
4 LPA

JAI HARISH SATHESHKUMAR
4 LPA

VIGNESH S
4 LPA

The Power of Data & Innovation in AI Evolution

Dr. B. Muthusenthil, Professor & Head of the Department of Artificial Intelligence and Data Science at SRM Valliammai Engineering College, delivered a technical talk on "Role of Data-Centric Generative AI Model" at Saveetha School of Engineering, SIMATS, on February 15, 2024. He highlighted the significance of high-quality data in AI model performance, covering data preprocessing, augmentation, and ethical AI practices.

Further contributing to AI advancements, he participated in 'Umagine TN 2024' at Chennai Trade Centre on February 24, 2024. As Asia's leading platform for technology and innovation, the event focused on emerging AI trends and industry collaborations, showcasing his commitment to bridging research with real-world applications.

Advancing AI & Data Science: Workshops, Lectures, and Innovation

The Department of Artificial Intelligence and Data Science at SRM Valliammai Engineering College fostered technical excellence through key initiatives. On February 1, 2024, it launched AI COGNITRON, a technical club, in collaboration with CSI-SRMVEC, IIC, IQAC-SRMVEC, and ISTE. The same day, R. Sudhakar, Data Engineer at Driven, Bangalore, delivered a seminar on "Recent Trends in Data Mining". Additionally, on February 5, 2024, Ms. K. Sangeetha, Assistant Professor, enhanced her expertise by completing a one-week internship on "Data Analysis and Visualization."

To strengthen academia-industry collaboration, Dr. B. Muthusenthil, HOD, signed an MoU with Hawkit Technology to enhance research and industry exposure. This partnership provides students with internships, research opportunities, and hands-on experience in AI and Data Science. Additionally, an MoU was also signed with Hawkit Technology to facilitate joint projects and skill development programs, further bridging the gap between academics and industry advancements.

Research Excellence in AI & Data Science

Faculty members of the Department of Artificial Intelligence and Data Science at SRM Valliammai Engineering College have made significant contributions to academic research. Mr. R. Danu, Assistant Professor, published a research paper in the Scopus-indexed International Journal of Engineering Trends and Technology on February 3, 2024. Additionally, Dr. R. Thenmozhi, Professor, also published a research paper in a Scopus-indexed journal in February 2024. Their work reflects the department's commitment to advancing knowledge in AI and Data Science through high-impact research and scholarly excellence.

Industry Exposure Through Educational Visits

The III-year students of the Department of Artificial Intelligence and Data Science visited the CSIR Madras Complex on February 8, 2024, where they explored advancements in scientific research and technology. This visit provided them with valuable exposure to innovative research practices and real-world applications in various scientific domains.

On February 22, 2024, II-year students visited the Network Geek Broadcast Ideas Training Institute in Chennai. They gained insights into broadcasting, digital media, and networking technologies, enhancing their understanding of modern communication systems and industry trends in digital media.

On February 29, 2024, III and IV-year students visited ISRO, Sriharikota, gaining insights into satellite technology, space research, and mission operations. This visit, along with other industry tours, bridged the gap between classroom learning and real-world applications, enhancing students' understanding of emerging technologies.

Exploring New Frontiers in AI Research

Dr. R. Thenmozhi, Professor, Department of AI and Data Science, presented three research papers at RTACT 2024 on March 15, 2024, organized by SIMATS Engineering, Chennai. Her work focused on false news detection in social media, EMPATH AI for emotional intelligence, and food recognition with calorie estimation using deep learning, highlighting AI's impact on social media integrity, healthcare, and human-centric responses.

Pioneering Research in AI & Data Science

The Department of Artificial Intelligence and Data Science at SRM Valliammai Engineering College continues to drive research excellence. Mr. R. Sankaranarayanan, Assistant Professor, published a research paper in the Scopus-indexed ADALYA JOURNAL in March 2024, contributing to advancements in AI and data science. Meanwhile, Dr. B. Muthusenthil, Professor & Head, secured a patent for the 'All-in-One Portable Smart Pill Box' (Patent No: 518268), showcasing a groundbreaking innovation in medication management.

Showcasing Innovation: Mini Project Expo 2024

Encouraging hands-on learning and innovation, the department organized a 'Mini Project Expo' on March 25, 2024, in collaboration with CSI-SRMVEC Student Branch, ISTE, IIC, and IQAC-VEC. The event featured Mr. Chandran Krishnan, Managing Director & CEO, Campus Angles Network, Chennai, and Mr. Rohit Jhunjhunwala, Director, IN44 Capital, Chennai, as chief guests. They provided valuable feedback and recognized the three best projects, reinforcing the department's dedication to fostering creativity, problem-solving, and technical excellence among students.

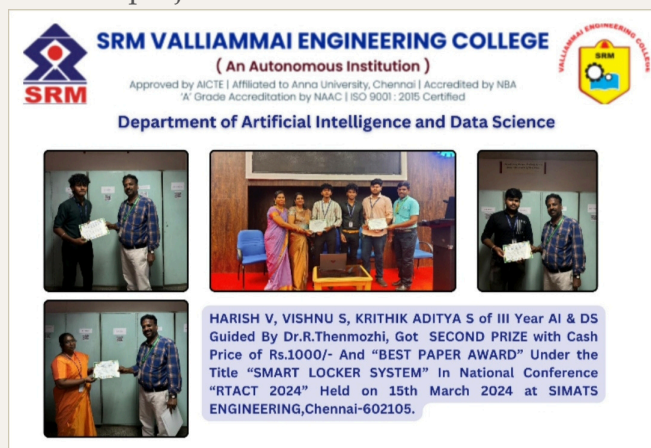## Student Achievements in Skill Development & Workshops

Students from the Department of Artificial Intelligence and Data Science at SRM Valliammai Engineering College have actively enhanced their skills through various online courses and workshops. Akhash Kumar A and Rishitha M, final-year students, completed "Advanced Learning Algorithm (Machine Learning Specialization)" on Coursera and "Application Services Overview" on AWS, respectively. Harish Raj C P earned certification in "Java Complete Course using Visual Studio Code" on Udemy, while Palani Chinmayi completed "Introduction to Deep Learning" on Great Learning. Additionally, Pritha R gained expertise in UI/UX Graphics Design through a Simplilearn course.

Beyond online learning, students also engaged in practical workshops. Shyam Ganesh S, Imran Kader Kani K U, Krithik Aditya, and Harish participated in a Hands-on Workshop on Unmanned Aerial Vehicles at Chennai Institute of Technology on February 14, 2024, while Vishnu S attended a Workshop on Drones at the same institute. These experiences highlight the department's commitment to skill development and industry-oriented learning.

Academic Excellence in Conferences & Competitions

Students from the Department of Artificial Intelligence and Data Science excelled in technical events and conferences. Dhanush N (III year) participated in TechMatrix'24 at Velammal Engineering College, while Rahul D and team (II year) presented papers at Coco-enz23 and Narrato at Sairam Institute of Technology.

At RTACT 2024, Syed Imjaz Ahamed G and team (IV year) won the Best Paper Award for their research on Food Recognition and Calorie Estimation using Deep Learning. Harish V and team (III year) secured Second Prize (₹1000) and Best Paper Award for their Smart Locker System, while other teams presented AI-driven research projects

Faculty Industry Immersion & Advanced Training

Faculty members from the Department of Artificial Intelligence and Data Science actively engaged in industry-oriented training programs to enhance their expertise. Ms. K. Sangeetha, Assistant Professor (O.G), attended a one-week internship on A Week to Data Wizardry: Fast-track Your Analytics Expertise at Marcello Tech from June 5 to June 12, 2024.

Dr. S. Jeyalakshmi, Associate Professor, and Ms. R. Lakshmi, Assistant Professor (Sel.G), completed a Faculty Industry Immersion Program on Data Visualization Tools at RETECH Solution Pvt. Ltd., Chennai, from June 25 to June 29, 2024. Dr. R. Thenmozhi, Associate Professor, participated in a Faculty Industry Immersion Program on IoT and Data Science at Adventure Technology Solutions Pvt. Ltd. from June 18 to June 22, 2024. Meanwhile, Dr. B. Muthusenthil, Head & Professor, completed a Faculty Industry Immersion Program on Interactive AI at Evolve Robot Pvt. Ltd. during the same period. These initiatives contribute to the department's commitment to staying at the forefront of AI and Data Science advancements.

Faculty Development Program on Emerging Trends in Data Science

The Department of Artificial Intelligence and Data Science organized a hybrid-mode Faculty Development Program (FDP) on Emerging Trends and Challenges in Data Science from May 20 to May 24, 2024. This program aimed to provide faculty members with insights into the latest advancements, research opportunities, and challenges in the field of data science.

Distinguished faculty members, including Dr. B. Muthusenthil, Dr. S. Jeyalakshmi, Dr. R. Thenmozhi, Ms. R. Lakshmi, Dr. R. Deepa, Mr. P. Sirenjeevi, Mr. R. Danu, Mr. R. Sankaranarayanan, Ms. V. Abarna, and Ms. K. Sangeetha, actively participated in the program. The FDP fostered discussions on cutting-edge technologies, enhancing faculty expertise and promoting innovation in data science education.

Faculty Contributions in Data Science and AI

During the hybrid-mode Faculty Development Program on Emerging Trends and Challenges in Data Science held from May 20 to May 24, 2024, faculty members from the Department of Artificial Intelligence and Data Science shared valuable insights through their presentations. Dr. R. Thenmozhi presented on "Statistical Approaches for Computer Vision," Dr. R. Deepa covered "Descriptive and Predictive

Statistics," and Ms. V. Abarna discussed "Neural Networks - Case Studies." Their sessions provided an in-depth understanding of key data science methodologies and their applications.

Additionally, Ms. V. Abarna participated in a One-Week National Level Online Faculty Development Program on Generative AI Models and Applications of Machine Learning from May 21 to May 25, 2024. Organized by the Department of Computer Science and Engineering at Shri Vishnu Engineering College for Women (A), Bhimavaram, Andhra Pradesh, this program enriched her expertise in AI-driven innovations.

Academic Excellence in Online Learning

Students from the Department of Artificial Intelligence and Data Science have successfully completed various online courses, enhancing their technical expertise. Ragul M (2nd year) completed "Introduction to Cloud" at IBM Cognitive Class on May 21, 2024. Bharath Kumar M K (2nd year) earned certifications in "Data Visualization with Python (3.5 Hrs)" and "Python Complete Course & HTML Essentials (9.5 Hrs)" at Udemy on May 21, 2024. Aswin Kumar P (2nd year) completed "Mastering Python, Pandas, and Numpy (6.5 Hrs)" at Udemy, receiving certification on May 20, 2024.

Amuthapriyan A M (2nd year) completed "Python, Flask Framework" at Udemy-Horizon Tech on May 21, 2024. Aravindhan M (3rd year) successfully finished "Data Science: R Programming (5 Hrs)" at Udemy on May 7, 2024. These achievements reflect their commitment to continuous learning and skill development in emerging technologies.

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Achievements in Technical Events

Students from the Department of Artificial Intelligence and Data Science actively participated in technical events held on May 8, 2024. Abinaya M, Dhivya S.S, Harini S, Raahuleshwar A, Tisha R, and Varun Radhakrishnan took part in the "CAST N FACTS" event, while Sethumadhavan N, Udhaya Prakash M, Varma N, and Deepasree R.S.S. participated in "Factor Fest."

Dhivya S.S secured 1st place, Abinaya M secured 2nd place, and Tisha R secured 3rd place in "CAST N FACTS." In "Factor Fest," Sethumadhavan N won 2nd place, and Udhaya Prakash M secured 3rd place. Their participation and achievements highlight their technical expertise and problem-solving skills.

Faculty Achievements in Research, Learning, and Industry Exposure

The Department of Artificial Intelligence and Data Science actively engaged in academic and industrial advancements. Dr. B. Muthusenthil, Professor & Head, organized a faculty industrial visit to IIT Madras Research Park and IITM Incubation Cell on May 2, 2024. Mr. P. Sirenjeevi, Assistant Professor (Sr. G), contributed to research by publishing a paper on "Enhancing Network Security Using Hybrid Machine Learning Techniques" at an international conference on May 10, 2024.

Faculty members also excelled in learning and knowledge-sharing. Dr. R. Deepa, Assistant Professor (O.G), achieved Silver Elite in "Python for Data Science" (NPTEL) and delivered a guest lecture on "Optimization in Wireless Sensor Networks" at Tagore Engineering College on April 24, 2024. Ms. V. Abarna, Assistant Professor (O.G), completed the same course as an FDP, earning Elite status

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Student Innovations Recognized at Technical Competitions

Students from the Department of Artificial Intelligence and Data Science excelled in innovation competitions. Hemamalini J, Prasanna Ravi R, and Sri Harini S, guided by Dr. R. Deepa, won the Best Innovation Prize with a ₹2000 cash award at InnovateXpo on April 24, 2024, organized by St. Joseph Institute of Technology, Chennai. Similarly, Dileep Adhithyan K, Aathavan S K, and Dinesh Kumar M, mentored by Ms. V. Abarna, secured Third Prize at INNOVENTZZ'24 on April 30, 2024, hosted by Rajalakshmi Engineering College, Chennai. These achievements reflect their excellence in AI-driven innovation and problem-solving.

Udhaya Prakash M, Yuvaraj J, and Abinaya M secured 3rd place in the Technical Quiz event held at Crescent College, showcasing their knowledge and problem-solving skills.

AI&DS Faculty Coordinated School Outreach Program

Mr. R. Danu, Mr. R. Sankaranarayanan, and Dr. R. Thenmozhi from the Department of Artificial Intelligence and Data Science organized a school event for students of

Bethlehem Matriculation Higher Secondary School on April 27, 2024. The event provided an opportunity for students to explore fundamental concepts in AI and data science through interactive sessions.

The initiative aimed to spark curiosity among young minds by introducing them to emerging technologies and their real-world applications. Through engaging activities and discussions, the faculty members helped students gain a deeper understanding of the field, encouraging them to consider future studies and careers in AI and data science.

Industry Engagement: Expert Talks on AI and Fintech

Dr. B. Muthusenthil, Head & Professor of the Department of Artificial Intelligence and Data Science, participated in an industry expert talk on AI agents at SPICOT Industrial Area, Guindy, on July 20, 2024. The session provided insights into the latest advancements in AI-driven automation and intelligent systems.

Continuing industry engagement, Dr. B. Muthusenthil attended another expert talk at M2P Fintech, Guindy, on July 27, 2024. This event focused on the intersection of AI and financial technology, highlighting innovations in digital transactions, risk assessment, and AI-powered financial solutions.

Rotaract Club Orientation Ceremony

The Rotaract Club held its orientation ceremony on July 6, 2024, with Mr. Rtr. Udhaya Kumar as the Chief Guest. The event was attended by 23 beneficiaries, including 16 officials, marking the beginning of a new term with a focus on leadership and service.

Rotaract Club Installation Ceremony

The Rotaract Club held its installation ceremony on July 29, 2024, in the presence of distinguished guests, including Dr. B. Chidhambara Rajan, Mr. Sakthi, Dr. P. Ravisekaran, Rtn. Manikandan, Rtn. M. Suresh Kumar, Rtn. Michael Rosario, and Rtn. M. Rajan Babu. The event was attended by 141 Rotaract members and all officials.

During the ceremony, Harrish B was elected as the President of the club, and Udhaya Prakash M was elected as the Secretary, marking the beginning of a new leadership term.

Rotaract Club Hosts "Pudhu Varalare" Event

The Rotaract Club organized an event titled "Pudhu Varalare" on June 19, 2024, at Boys Government Higher Secondary School, Nandivaram, Guduvancheri. The school's Headmaster was invited as the guest for the occasion.

The event saw the participation of seven Rotaract officials along with 14 school students, fostering engagement and learning among the attendees.

Workshop Participation on Generative AI

Dr. B. Muthusenthil, Head & Professor of the Department of Artificial Intelligence and Data Science, attended the workshop "Get Cre-AI-Tive: To Kickstart Your Gen AI Journey" at

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M2P Fintech, Guindy, on August 4, 2024. The session focused on exploring Generative AI and its applications.

Academic and Competitive Achievements in AI & Data Science

Ms. M. Abinaya, Assistant Professor (O.G) in the Department of Artificial Intelligence and Data Science, attended a specialized program on AI/ML for Geodata Analysis conducted by the Indian Institute of Remote Sensing, ISRO, from August 19 to August 23, 2024.

In student achievements, Abishek A secured First Prize in PROMPTKRAFT at AI Cognitron (Technical Club) on August 22, 2024. N. Mukesh, Balavignesh A.U, and Savishnu L secured Second Prize, while Priya Dharshini S won Third Prize in the Logical Storm event organized by CSI on July 29, 2024, at SRM Valliammai Engineering College.

Student Success Stories in Tech Competitions

Students from the 2nd year showcased remarkable performances in various technical events. Kavirajan E and Annet A secured Third Prize in PROMPTKRAFT at AI Cognitron (Technical Club) on August 22, 2024.

Vijayvarshan and Rohan Raaj won 1st prize with a ₹3000 cash award in Conoscenza at St. Joseph Engineering College on 31st August 2024. Ram Sundar S, Ashwin M, Sadhan Raj U, and Sanjai Krishnan A K secured 2nd prize in Flarendo'24 at Sai Ram Engineering College on 28th August 2024.

AI Cognitron Hosts "PROMPTKRAFT" with Enthusiastic Participation

The AI Cognitron technical club organized the event "PROMPTKRAFT" on 22nd August 2024, attracting 29 student participants who showcased their skills in the competition.

Academic Achievements and AI Insights

A guest lecture on The Future of AI Trends & Predictions for the Next Decade was held on 12th August 2024 for 2nd-year students, featuring Dr. Arvin Subramanian, AI Solution Specialist at Alpharithm Technologies.

Additionally, Dr. B. Muthusenthil, HoD & Professor of AI&DS, successfully completed the NPTEL course Demystifying Networking.

Krithik Aditya S, Shyam Ganesh S, Suja M, and Theresh R (Final Year) secured 3rd place in a Hackathon at SSN College of Engineering, winning ₹1000. Tamilselvan D V (2nd Year) secured 3rd prize in Building from Scratch at SRM Valliammai Engineering College on 25th September 2024. Santhosh M, Rahul D, and Ramsundar M J (3rd Year) won 2nd prize in Breaking Brain at the same venue.

Workshop on Gemini AI: Exploring the Future of AI Technology

A workshop on "Introduction to Gemini AI" was conducted on 18th September 2024 for 125 students from 2nd and 3rd year. The session featured Mr. Jagdeesh Gopal, B.E., Senior Azure Network Engineer at Microsoft, Hyderabad, as the resource person, providing valuable insights into AI advancements and applications.

Rotaract Club Celebrates Teachers' Day and Hosts 'Pudhu Varalaare' Event

The Rotaract Club organized a Teachers' Day event in the presence of Dr. M. Murugan, Principal of SRM Valliammai Engineering College, with the participation of 25 Rotaract officials.

The club also conducted 'Pudhu Varalaare' on 17th September 2024, featuring Dr. B. Chidambara Rajan, Director of SRM Valliammai Engineering College, as the Guest of Honour, along with 7 Rotaract officials actively contributing to the event.

'Maatram' – A Transformative Initiative by Rotaract Club

The Rotaract Club successfully conducted the 'Maatram' event from 25th to 28th September 2024, with the participation of 37 students, including 26 Rotaract officials. Dr. M. Murugan, Principal of SRM Valliammai Engineering College, graced the event as the Guest of Honour.

Breaking Brain: A Thrilling Tech Challenge by AI Cognitron

The technical event Breaking Brain was organized by AI Cognitron under the guidance of Dr. B. Muthusenthil, Head & Professor of the Department of Artificial Intelligence and Data Science, on 25.09.2024. The event saw participation from 42 students across various departments, including AI&DS, CSE, IT, and Cybersecurity, fostering interdisciplinary learning and innovation.

Aadhaar Enrolment Camp Organized by Rotaract Club & NSS

The Rotaract Club, in collaboration with the National Service Scheme (NSS) of SRM Valliammai Engineering College, successfully conducted an Aadhaar Enrolment and Update Camp on 04.10.2024, providing essential identity services to the community.

AI&DS Department Students Explore Industry and Science

Students from the Department of Artificial Intelligence and Data Science participated in two industrial visits to enhance their practical learning. On 24.09.2024, 59 students and 2 staff members visited M.S. Swaminathan Research Foundation in Tharamani, Chennai. Later, on 26.09.2024, 63 students and 2 staff members explored Birla Planetarium, Child Playing Park, and Duraisamy Nagar in Kotturpuram, Chennai, gaining insights into scientific and technological advancements.

Karam Koduppom: Extending Support to Wayanad

The Rotaract Club of SRM Valliammai Engineering College organized the "Karam Koduppom: We Stand with Wayanad!" initiative on 05.08.2024. This effort provided essential relief materials to those affected by the Wayanad landslides, demonstrating solidarity and support during a critical time.
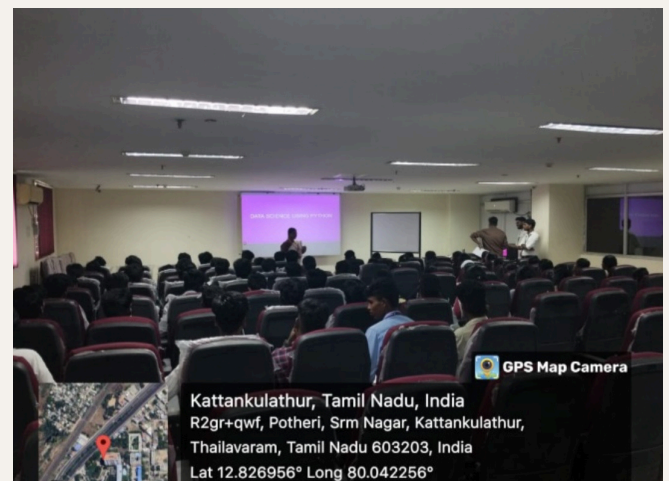

ALTRUIXX 24: A National-Level Tech Symposium on AI & Data Science

The Department of Artificial Intelligence & Data Science at SRM Valliammai Engineering College successfully organized the 2nd National Level Technical Symposium, ALTRUIXX 24, on 5th October 2024, in collaboration with CSI-SRM VEC Student Branch, ISTE Chapter, and IIC. The event was presided over by Dr. M. Murugan, Principal, SRMVEC, and Manoj Paul, Chief Creative Alchemist APAC, RRD GO Creative™, with Dr. B. Muthusenthil as the convener. A total of 152 students (112 external & 40 internal) participated in various technical and non-technical events, including Visionary Horizon, AI Vernus, Analytix, Pictorades, and Flick Frenzy. The symposium was coordinated by Dr. S. Jeyalakshmi and Mr. R. Danu.

Hands-On Learning: Workshop on Data Science Using Python

The AI Cognitron Technical Club organized a workshop on "Data Science Using Python" for first-year students on 24th October 2024, providing them with foundational insights into data science concepts and Python programming.

Rotaract Club Joins World Polio Day Bike Rally

On behalf of the Rotaract Club, student officials from the Department of Artificial Intelligence and Data Science actively

participated in the World Polio Day Bike Rally on 27th October, raising awareness for polio eradication.

Dr. B. Muthusenthil Honored for AI Research and Expertise in Indonesia

Dr. B. Muthusenthil, Head & Professor of the Department of Artificial Intelligence and Data Science, received the Best Presenter Award for his research article at the IEEE International Conference on Computer Network and Intelligent Multimedia 2024 in Surabaya, Indonesia, on 19th November 2024. The following day, he delivered an expert lecture on "Role of Generative AI and Its Human Assistive Applications" at the International Workshop on Deep Learning and Its Applications in Assisting Humans at Institute Technology Sepuluh November (ITS), Surabaya.

Advancing AI Education, Research, and Industry Collaborations

Ms. Abinaya, Asst. Prof (O.G) from the Department of AI & DS, successfully completed the NPTEL course on 'Introduction to the Internet of Things' in October 2024. Dr. B. Muthusenthil, Head & Professor, participated in SINOX 2024, evaluating student-led incubation projects at Universitas Airlangga (UNAIR) and ITS, Surabaya, on 21st November 2024. He also facilitated the MoU signing between ITS and SRM Valliammai Engineering College, fostering research and technological collaboration. Additionally, the department organized industrial visits for third-year students to Kerala Electrical and Allied Engineering Company Limited, Kochi (22nd Nov 2024) and MASCO Tea Factory,

Vagamon (23rd Nov 2024), coordinated by Mr. R. Danu and Ms. R. Vaishnavi.

Trailblazing AI: Faculty Achievements & Innovation

Ms. R. Vaishnavi, Asst. Prof (O.G), successfully completed the NPTEL course on 'Computer Vision' in November 2024. Dr. B. Muthusenthil and Dr. S. Jeyalakshmi, Professors in AI & DS, were recognized as NPTEL DISCIPLINE STARS in December 2024. Dr. B. Muthusenthil also attended a 2-day mentor training program at BIS Chennai (17th-18th Dec 2024). Additionally, the department organized a 5-day Faculty Development Program (FDP) on 'Converging Machine Learning, DevOps, and GPU Computing for Breakthrough Innovations' (18th-24th Dec 2024), coordinated by Ms. P. Jeyakani and Ms. M. Abinaya.

Faculty Immersion: Industrial Visit to RETECH LASERS

The Department of Artificial Intelligence and Data Science organized an industrial visit for faculty members to RETECH LASERS on 24th December 2024. The visit, coordinated by Ms. P. Jeyakani, A.P. (O.G), and Ms. M. Abinaya, A.P. (O.G), provided valuable industry exposure, enabling faculty to explore advanced laser technologies and their applications in AI-driven innovations.

AI Excellence: Knowledge Sharing and Competition Wins

A technical talk on "Role of Data-Centric Generative AI Model" was delivered at Saveetha School of Engineering, SIMATS on 15th February 2024. Additionally, fourth-year AI and Data Science students—Krithik Aditya S, Shyam Ganesh S, Suja M, and Theresh R—showcased their skills at a Hackathon organized by SSN College of Engineering, securing third place and winning a cash prize of Rs. 1000.

Staff Activities

The faculty members from the Department of Artificial Intelligence and Data Science visited the IIT Madras Research Park to explore cutting-edge advancements in AI-driven research and industry collaborations. This visit provided valuable insights into emerging technologies, innovative research projects, and startup ecosystems, fostering opportunities for

academic-industry partnerships and enhancing the department's research and development initiatives.

Dr. B. Muthusenthil, Head & Professor, Department of Artificial Intelligence and Data Science, signed a Memorandum of Understanding (MoU) with Hawkit Technology, strengthening industry-academic collaboration. This partnership aims to enhance research, innovation, and skill development in emerging AI technologies, providing students and faculty with opportunities for hands-on experience, internships, and joint projects.

Our HOD, Department of Artificial Intelligence and Data Science, participated in "Umagine TN 2024" at Chennai Trade Center on 24th February 2024. As Asia's premier engagement platform for Technology, Entrepreneurs, and Talent, the event provided a unique opportunity to explore emerging technological trends, industry innovations, and networking with global leaders in the field.

Dr. B. Muthusenthil, Head & Professor, Department of Artificial Intelligence and Data Science, visited TANSAM Siemens, where he explored advanced industrial automation, digital manufacturing, and smart infrastructure solutions. The visit facilitated discussions on potential collaborations, research opportunities, and technological advancements in AI and Data Science.

Dr. B. Muthusenthil, Head & Professor, Department of Artificial Intelligence and Data Science, was honored with a Certificate of Appreciation for his exceptional achievement as an NPTEL Discipline Star in the Computer Science and Engineering domain for the July–December 2024 session. This recognition highlights his dedication to continuous learning and excellence in academic contributions.

He also attended SINOX 01 – UNAIR ITS, a prestigious Project Expo, where he evaluated innovative student projects and engaged in discussions on emerging technologies and research collaborations.

AI&DS Students Shine in National-Level Competitions

Students from the Department of Artificial Intelligence and Data Science achieved remarkable success in various national-level technical events. Srinath S (II Year) secured First Prize in 'AI-Vernus' at SRM Valliammai Engineering College, while Sharan Kumar (II Year) won First Prize in 'Tech Clash (BGMI).' Iniya R (II Year) earned Second Prize in 'Logo Vista' by Vecoders Club. Jovina M, Mega M, and Harini S (III Year) won First Prizes in 'Nexus-2K24' and 'KeyNote Deck' at St. Joseph College of Engineering. Sathishkumar B (III Year) secured Third Prize in 'Mind Masquerade' at Sri Sairam Institute of Technology. Anapalli Arjun and Varun Radhakrishnan (III Year) both claimed First Prizes at the National Level Techfest hosted by Sri Sairam Institute of Technology. These achievements highlight the department's commitment to excellence and innovation.

Safety and Hygiene: Our Commitment for a Better Tomorrow

Students of the Department of Artificial Intelligence and Data Science actively participated in National Safety Week by taking a safety pledge, reaffirming their commitment to promoting a safe and secure environment.

All the staff members of the Department of Artificial Intelligence and Data Science took a pledge on Hygiene Day at SRM Valliammai Engineering College, emphasizing the importance of cleanliness and well-being in both personal and professional spaces.

Victory Through Innovation

Sedhumadhavan N, Suman T, and Gowtham emerged victorious in a technical event held at Sai Ram Engineering College, demonstrating their expertise and innovation.

Iniya R and her teammate secured victory in a technical event conducted at SRM Valliammai Engineering College, showcasing their skills and knowledge.

Prasanna Balaji C, Raahuleshwar A, and Sathish Kumar B secured 3rd place in a technical event at Velammal Engineering College, demonstrating their technical expertise and problem-solving skills.

Sedhumadhavan N and Gowtham demonstrated their exceptional problem-solving skills by winning a prestigious hackathon at Amrita College. Competing against talented participants from various institutions, they showcased their expertise in coding, innovation, and real-time problem-solving. Their ability to develop a creative and

efficient solution set them apart, earning them well-deserved recognition. This achievement highlights their technical proficiency and dedication to applying their knowledge in practical scenarios, reinforcing the department's commitment to fostering innovation and excellence in the field of Artificial Intelligence and Data Science.
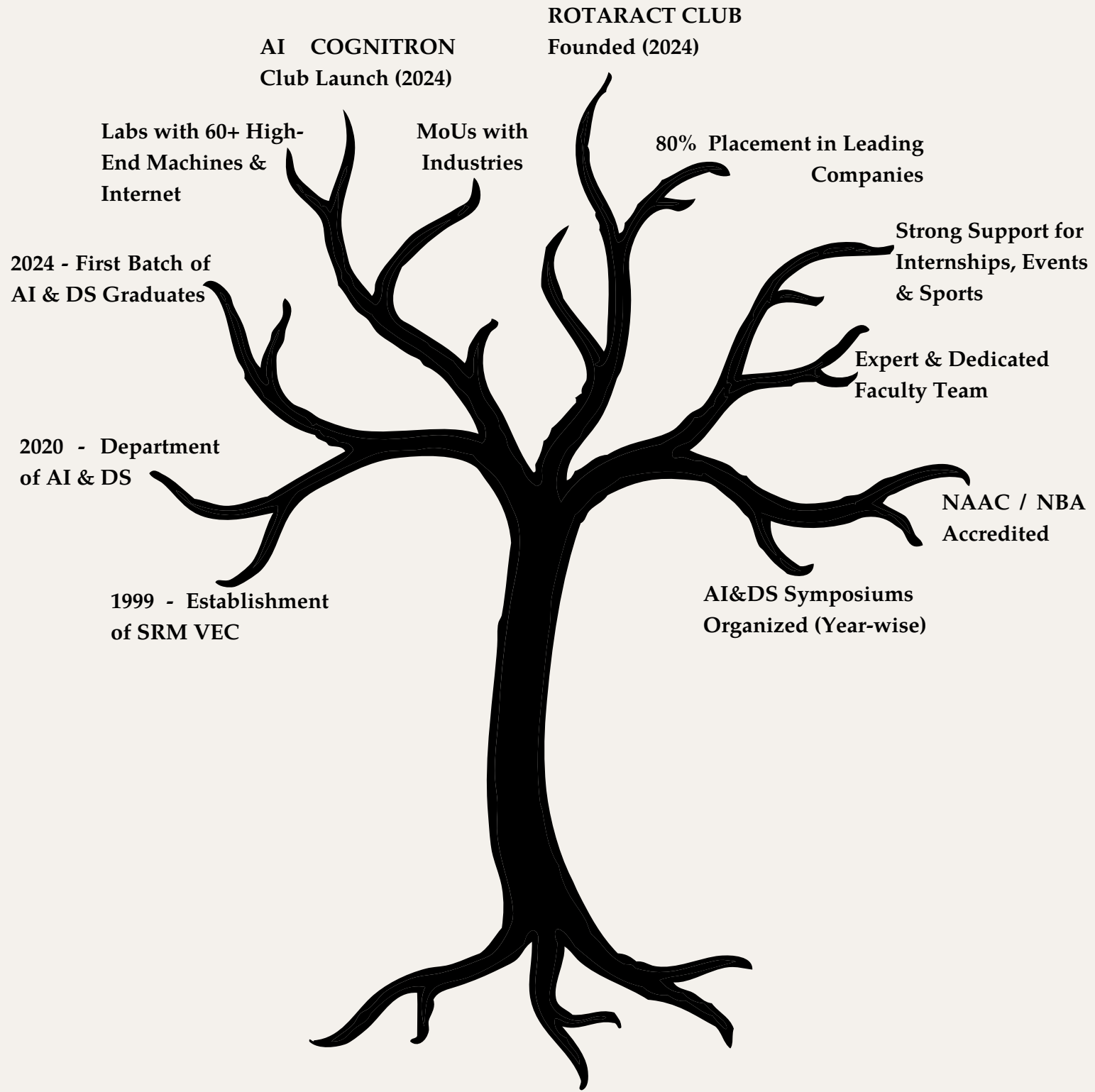

Shaping Well-Rounded Innovators: Academic and Extracurricular Excellence

The Department of Artificial Intelligence and Data Science at SRM Valliammai Engineering College fosters academic excellence through research, technical workshops, and industry collaborations. Students actively engage in hackathons, symposiums, internships, and certification programs, enhancing their skills for real-world challenges. Beyond academics, the department promotes extracurricular and sports activities, encouraging participation in cultural fests, leadership programs, and athletic events. With a balanced focus on innovation, teamwork, and holistic development, students excel both intellectually and physically, preparing to become skilled professionals and confident individuals ready to thrive in diverse fields.

ROTARACT CLUB
Founded (2024)

AI   COGNITRON
Club Launch (2024)

Labs with 60+ High-
End Machines &
Internet

MoUs with
Industries

80% Placement in Leading
Companies

Strong Support for
Internships, Events
& Sports

2024 - First Batch of
AI & DS Graduates

Expert & Dedicated
Faculty Team

2020 - Department
of AI & DS

NAAC / NBA
Accredited

1999 - Establishment
of SRM VEC

AI&DS Symposiums
Organized (Year-wise)

Why SRM Valliammai Engineering College ?

- SRM Valliammai Engineering College, established in **1999**, is a premier institution located in **Chennai, India**, renowned for its commitment to academic excellence, research, and innovation. The college offers **11 undergraduate (UG)** and **4 postgraduate (PG)** programs, covering diverse fields of engineering, technology, and management.

- Recognized for its quality education and industry-oriented curriculum, SRM Valliammai Engineering College holds permanent affiliation with **Anna University** and has several departments accredited by the **National Board of Accreditation (NBA)**. The institution is also an **AICTE-approved Research Center**, fostering Ph.D. and MS (by research) programs in various disciplines.

- SRMVEC maintains a strong placement record, with over **90%** of students securing placements in leading **multinational companies** every year. The college has established partnerships with global industries and research organizations, providing students with internship opportunities, industry collaborations, and skill-development training.

- The institution has received recognition for its entrepreneurial ecosystem and has been awarded **4.5 out of 5 stars** by the **Institution's Innovation Council (IIC)**, Ministry of Education, Government of India. It is also a proud recipient of multiple Hackathon Awards, Best Employability Awards, and Skill Development Grants from national and international bodies.

- With state-of-the-art laboratories, modern infrastructure, active research centers, and a dedicated faculty, SRM Valliammai Engineering College provides students with a holistic learning experience. The institution is a nodal center for **IIT Bombay's e-learning initiatives**, **ISRO-IIT outreach programs**, and **AICTE's Idea Lab**, ensuring students stay ahead in emerging technologies.

- Additionally, the **Rotaract Club of SRMVEC**, under the leadership of President **Harrish B** and Secretary **Udhaya Prakash M**, actively engages in community service, leadership development, and international outreach programs, reinforcing the institution's commitment to social responsibility.

- With a legacy of **25 years** of excellence in technical education, SRM Valliammai Engineering College continues to empower students with cutting-edge knowledge, industry readiness, and global opportunities, making it a top choice for aspiring engineers and technologists.