

ACADEMIC YEAR 2023-24



DEPARTMENT OF
ARTIFICIAL
INTELLIGENCE AND
DATA SCIENCE

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2023-24

DEPT OF AI&DS

AI&DS MAGAZINE



ABOUT THE DEPARTMENT

THE DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE WAS ESTABLISHED IN 2023, OFFERING A B. TECH (ARTIFICIAL INTELLIGENCE & DATA SCIENCE) PROGRAM WITH AN INTAKE OF 60 STUDENTS. THIS FOUR-YEAR FULL-TIME UNDERGRADUATE PROGRAM, RECOGNIZED BY AICTE (ALL INDIA COUNCIL FOR TECHNICAL EDUCATION), PREPARES STUDENTS FOR CAREERS IN THE RAPIDLY EVOLVING FIELDS OF AI AND DATA SCIENCE.

THE DEPARTMENT IS DRIVEN BY A TEAM OF HIGHLY QUALIFIED FACULTY MEMBERS WITH EXPERTISE IN AI, MACHINE LEARNING, AND DATA ANALYTICS. FACULTY UNDERGO CONTINUOUS PROFESSIONAL DEVELOPMENT TO STAY UPDATED WITH INDUSTRY TRENDS AND ADVANCEMENTS. THE DEPARTMENT'S STRONG EMPHASIS ON PRACTICAL LEARNING IS REFLECTED IN ITS CUTTING-EDGE LABORATORIES AND RESEARCH-DRIVEN CURRICULUM.

STUDENTS ENGAGE IN HANDS-ON PROJECTS, RESEARCH INITIATIVES, AND INDUSTRY COLLABORATIONS TO GAIN IN-DEPTH KNOWLEDGE OF AI TECHNOLOGIES, DATA ANALYSIS, AND ALGORITHM DEVELOPMENT. THE DEPARTMENT ENCOURAGES A BLEND OF THEORETICAL EDUCATION AND PRACTICAL SKILLS THROUGH REGULAR CLASSROOM INSTRUCTION AND LAB EXERCISES.

RESEARCH IS A KEY FOCUS, WITH FACULTY PUBLISHING IN TOP-TIER JOURNALS AND PROMOTING STUDENT INVOLVEMENT IN RESEARCH ACTIVITIES. THIS COMMITMENT TO RESEARCH AND INNOVATION ENSURES THAT STUDENTS ARE WELL-PREPARED TO MEET THE CHALLENGES OF THE AI AND DATA-DRIVEN FUTURE.

VISION AND MISSION OF THE INSTITUTION AND DEPARTMENT

VISION OF THE INSITITUTION

To establish state-of-the-art engineering education with a definition of high quality in technical, professional and research skills including ethical character, producing engineers to meet the various needs of the Society, Nation and the World.

MISSION OF THE INSTITUTION

To provide the platform to upgrade the teaching faculty with high standards of quality education, technical training and developments

v To establish an encouraging learning environment to create and improve the student's capacity-building skills.

v To provide adequate infrastructural facilities to develop professional and research skills in line with global trends.

v To create a linkage with other educational institutions at the national and international level for knowledge transformation.

v To provide opportunities to mould the students' character and personalities on professional ethics and moral value

VISION OF AI&DS DEPARTMENT

·The vision of the Department of Artificial Intelligence and Data Science is to produce globally competent engineering professionals with a focus on intellectual learning of artificial intelligence and data science tools with utmost professionalism.

·To enhance the problem solving skills of students with a focus to prepare them for industry expectation, support them in research areas with value based education to serve the greater cause of the society.

ENGINEERING
PROFESSIONALS
WITH A FOCUS ON
INTELLECTUAL
LEARNING OF
ARTIFICIAL
INTELLIGENCE
AND DATA
SCIENCE



a tri-language quiz program organized by the department, AI&DS. NAAC peer team visit, and an on-campus placement drive

ASSOCIATION
OF AI&DS
DEPARTMENT



MISSION OF AI&DS DEPARTMENT

- To improve the interdisciplinary skill set of students by cognitive learning environment with industrial collaboration in the field of Artificial Intelligence and Data Science.
- Provide the students with leadership qualities, ethical and human values to serve the nation and focus on students' overall development.
- To guide the students to do research in the area of artificial intelligence and data science with an aim of having impact on society by tackling societal challenges.

OUR FACULTIES



Mrs. K. Maheshwari, M.E.,
Head of the Department/AI&DS



Dr. H. Prabavathi, M.E.,
Assistant Professor/AI&DS



Ms. S. Mahalakshmi, M.E.,
Assistant Professor/AI&DS



Ms. R. Sindhuja, M.E.,
Assistant Professor/AI&DS



Mr. SR. Boopathybalan, M.E.,
Assistant Professor/AI&DS



Mr. M. Nagulan, M.E.,
Assistant Professor/AI&DS



Mr. M. Prabu, M.E.,
Assistant Professor/AI&DS



Ms. A. Mahesh, M.E.,
Assistant Professor/AI&DS



Ms. G. Abinaya, M.E.,
Assistant Professor/AI&DS

FACULTIES ACHIEVEMENTS



Mrs. K. Maheshwari, M.E.,(Ph.D)
Head of the Department/AI&DS

- Published Patents in the titles of “E-TROLLEY” and “Coconut Scraper Machine”
- Presented a paper titled Social Media Fake Account detection using Machine Learning in National Conference Conducted in A.V.C College of Engineering.
- Participated and received certificates for workshop in Research Methodology conducted in Sembodai Rukmani Varatharajan Engineering College.
- Participated and Received Certificate for “Online Voting System using Face Recognition” in an International conference conducted in Sembodai Rukmani Varatharajan Engineering College.
- Participated and Received Certificate for “Achieving Security in Cyber World through Block chain as a Taxonomy” in an International conference conducted in Sembodai Rukmani Varatharajan Engineering College.
- Participated and Received Certificate for “Robust Layout Independent License Detection and recognition model Based on attention Method” in Sembodai Rukmani Varatharajan Engineering College.
- Participated and Received Certificate for “Securing Societal Welfare in the Digital Age: A Social Science Perspective on Cyber Security Challenges” in India in A.V.C College of Engineering.
- Participated and Received Certificate for 3 days’ Workshop on “Envision Recent Technology Trends with MATLAB & Cody Challenge, E.G.S. Pillay Engineering College.

FACULTIES ACHIEVEMENTS



**Ms. S. Mahalakshmi, M.E.,
Assistant Professor/AI&DS**

- Published Patent in the title of “E-TROLLEY”
- Participated and Received Certificate for 3 Hours Bootcamp in “INTERNET OF THINGS” Conducted by NoviTech R&D Private Limited.
- Publish international journal of titled in “Deep Convolution Neural Network Based Approaches for Face Recognition Using Pattern matching Algorithm”
- Received certificate for Nan mudhalvan project Evaluator on IBM Professional readiness for Innovation, Employability and Entrepreneurship program on emerging technology
- Published Patent in “AI –Based Semi Manual Military Application Tele medical Robot for Band Aiding Bleeding and Flesh Wounds”
- presented paper titled Agromax: Sustainable Precision Farming Rover Artificial Intelligence and Internet of things in Sembodai Rukmani Varatharajan Engineering College
- presented a paper titled has presented a paper titled AI Powered Nutrition Analyser for Fitness Enthusiast A.V.C College of Engineering.

OUR FACULTY MEMBERS



OUR 3RD YEAR STUDENTS



OUR 2ND YEAR STUDENTS



THIRD YEAR AI&DS STUDENTS ACHIEVEMENTS

- S.Janani Published Patent in the title of "Coconut scrapper Machine".
- (B.Madhana, A.Sneka, S.Kavijayalakshmi, T.Boomidevi, P.Dharaneeshwari) Published patent in the title of "E-TROLLEY".
- (Hariviswua.S, Yogesh.R, Baranidharan.D) Participated in the District Level inter Collegiate Cricket Alumni Trophy.
- (Ahalya.S, Dhanaja.S, Kavijayalakshmi.S, Manoranjan.N, Nithish.D) Participated paper presentation on the topic of Gaming in ELEMENTS 2K23 held at Sri Ramakrishna College of Engineering.
- R.Giridharan Participated and received certificates for workshop in Research Methodology conducted in Semboadi Rukmani Varatharajan Engineering College.
- (R.Gokulraj, R.Harini, S.Hariviswua, S.Arulpriya, Hemapriya.S, R.Abinesh, A.Arun, S.Arunasriram, R.Giridharan, D.Elakkiyakumaran) participated "Master the Machine Hands on ML workshop" in INSIGHTX'23 national level tecnofest organized by BIT campus
- (R.Kannitha, M.Naveen, A.Naveenraj, S.Saravanan, V.Priyadharsini, S.Sunil, T.Vishal) participated "Master the Machine Hands on ML workshop" in INSIGHTX'23 national level tecnofest organized by BIT campus.
- J.Sethuraman & D.Elakkiya kumaran Participated and received certificates for paper presentation in the title of "AI based smart home automation system" conducted in Semboadi Rukmani Varatharajan Engineering College.
- V.Theethina moorthy & M.Sairaman Participated and received certificates for paper presentation in the title of "Online voting system" conducted in Semboadi Rukmani Varatharajan Engineering College.
- S.Mugilan & S.Arulpriya Participated and received certificates for paper presentation in the title of "AGROMAX:SUSTAINABLE PRECISION FORMING ROOOR AI & IOT" conducted in Semboadi Rukmani Varatharajan Engineering College.
- S.Janani & A.Sneka Participated and received certificates for paper presentation in the title of "Email spam detection" conducted in Semboadi Rukmani Varatharajan Engineering College.
- (S.Ahalya, B.Madhana, S.Dhanaja, S.Kavijayalakshmi, S.Janani, S.Sathiya, R.Monisha, P.Dharaneeshwari, M.Manoranjan) participated in one day national level workshop on ETHICAL HACKING AND CYBER SECURITY conducted by VEL TECHNOLOGIES PVT LTD at Sree Sakthi Engineering College.
- (S.Janani, A.Sneka, S.Arulpriya, M.Sairaman, S.Mugilan, V.Theethinamoorthy) participated and received certificates for paper presentation in the event of National level technical symposium BARNSTROM2 2K23 at Hindustan institute of technology.
- (S.Janani, A.Sneka, S.Arulpriya, M.Sairaman, S.Mugilan, V.Theethinamoorthy) participated and received certificates for AD SUP in the event of National level technical symposium BARNSTROM2 2K23 at Hindustan institute of technology.
- (V.Theethina moorthy, M.Sairaman, J.Sethuraman, K.Vikram, A.Sneka, S.Arulpriya) has successfully completed a Two weeks internship and received completion certificate on INDUSTRIAL BASED EMBEDDED SYSTEM WITH AI&IOT at NSIC Technical services Centre.
- (D.Elakkiya kumaran, S.Aruun sriram, S.Saravanan, M.Faizul Rahman, R.Giridharan, S.Dhanaja, S.Kavijayalakshmi) has successfully completed a One weeks internship and received completion certificate on INDUSTRIAL BASED EMBEDDED SYSTEM WITH AI& IOT at NSIC Technical services Centre.
- (S.Mugilan, D.Nithish, S.Aruun sriram, M.Faizul Rahman, D.Elakkiya kumaran, S.Janani, V.Priyadharnashini, R.kannitha, B.Madhana, S.Dhanaja, C.Kaviya, C.Selvapriya) participated in the "Science & Technology capacity Building for industrial needs" Organized by University college of Engineering, Thirukkuvalai.
- (J.Sethuraman, S.Mugilan, V.Theethina moorthy, M.Sairaman, D.Elakkiya kumaran, S.Aruun sriram, R.Giridharan, S.Kavijalakshmi, D.Nithish, A.Sneka, S.Ahalya, M.Gokul raj, R.Harini, S.Harivishuwa, S.Hemapriya, S.Arulpriya) participated in the One day National level Workshop on "COMPUTATIONAL INTELLIGENCE USING ML" Conducted by CUTN.

THIRD YEAR AI&DS STUDENTS ACHIEVEMENTS



- S.Janani participated in "DR.B.R.AMBETHKAR SPEECH COMPETITION 2024", and got the 1st prize



- s.Janani,A.Sneha,M.Sairam participated in "BARN:STROMZ 23" at Hindusthan institute of technology and received best paper award in paper presentation



- S.Janani,P.Dharaneeshwari,M.Sairam participated in "BARN:STROMZ 23" at Hindusthan institute of technology

SECOND YEAR AI&DS STUDENTS ACHIEVEMENTS

- Akash.C, Bakthavachalam.S, Harikrishnan.R, Ragavan.S Participated in the Two days National Seminar on Securing Societal Welfare in the Digital Age: A Social Science Perspective on Cyber Security Challenges in India in A.V.C College of Engineering.
- (Dhaniya.N, Janaki.S, Vinsi.J) has presented a paper titled Social Media Fake Account Deduction Based on Machine Learning in A.V.C College of Engineering.
- Dhanesh.E, Navukkarasar.S.T has presented a paper titled has presented a paper titled AI Powered Nutrition Analyser for Fitness Enthusiast A.V.C College of Engineering.
- Nishanthini.S, Jagatheeshwari.R, Yogalakshmi.P Participated in the Two days National Seminar on Securing the Digital Frontier:Navigation Cyberspace Challenges in National Security in A.V.C College of Engineering.
- (Anbumani.M, Aravindkumar.R, Dhanesh.E, Jagadheesvari.R, Nishanthini.S, Sanjeevbabu.M, Yogalakshmi.P, Jeeva.G, Navukarasar.S.T) Participated one day National Workshop on Computational Intelligence using Machine Learning in Central University.
- Sakthiragul.R Participated in the District Level inter Collegiate Cricket Alumni Trophy.
- (Naveen.E, Josuva.P.) Participated paper presentation in VIYUGAM'24 in Karpaga Vinayaga College of Engineering and Technology.
- (Viswanathan.S, Vijay.R) Participated poster presentation in VIYUGAM'24 in Karpaga Vinayaga College of Engineering and Technology
- (Vijay.R, Viswanathan.S) has Participated in the National Level Symposium in KGiSL Institute of technology.
- Umabharathi.C participated in Dr.Kalaingar Nootrandu vizha Speech Competition.
- (Harshini devi.S,Santhiya.N) has presented paper titled Achieving Security in Cyber World through Block chain as a Taxonomy in Sembodai Rukmani Varatharajan Engineering College.
- (Janaki.S, Jeeveetha.M, Vinsi.J) has presented paper titled Robust Layout Independent License Detection and recognition model Based on attention Method in Sembodai Rukmani Varatharajan Engineering College.
- Nithish.V presented paper titled Agromax: Sustainable Precision Farming Rover Artificial Intelligence and Internet of things in Sembodai Rukmani Varatharajan Engineering College.
- Nithish.V has attended the One-day workshop on Ethical Hacking and Cyber Security at Sree Sakthi Engineering College.
- Nithish.Vparticipated Coding Battle in INSIGHT'23 in Bannari Amman Institute of Technology.

SECOND YEAR AI&DS STUDENTS ACHIEVEMENTS



• R.Vijay, S.Sugapriya, P.Yogalakshmi, Vishvanathan all are Participated in Viyugam 24 at Karpaga Vinayaga college of Engineering and Technology And Winners in Connection

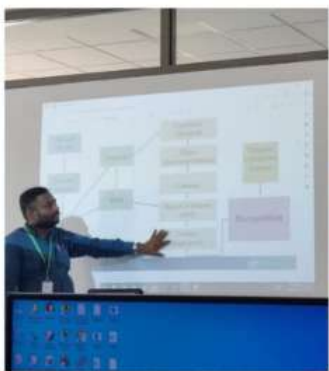


• V.Nithish, R.Harikrishnan, S.Ragavan are Participated in Top Coders at Sudharsan Engineering College



• S.Vishvanathan, R.Vijay, PM.Josuva, E.Naveen are Awarded in Poster presentation, Paper Presentation, Connection got first prize at Karpaga Vinayaga college Engineering And technology

SKILL TRAINING



SKILLTRAINING AT BANNARIAMMAN INSTITUTE OF TECHNOLOGY

OUR STUDENTS SPORTS ACTIVITIES



- Sakthiragul.R and Harivishwa Participated in the AnnaUniversity Zonal Level Winners 1st.



- Sakthiragul.R and Harivishwa Participated in the District Level CM TROPHY Cricket Runners 2nd.



- Sakthiragul.R and Harivishwa Participated in the Zonal Tournaments in Anna University Thirukkuvalai 3rd.

OUR STUDENTS SPORTS ACTIVITIES



S.Janani,B.Madhana participated volleyball competition in "ANNUAL SPORTS MEET 2024" and received "RUNNER UP".



S.Janani,B.Madhana,S.Hemapriya participated kabaadi competition in "ANNUAL SPORTS MEET 2024" and received "RUNNER UP".



During the volley ballmatchin"ANNUAL SPORTS MEET 2024"

CELEBRATION OF OUR COLLEGE



AYUTHA POOJA FUNCTION



WOMEN'S DAY CELEBRATION



WOMEN'S DAY CELEBRATION



PONGAL FUNCTION



PONGAL CELEBRATION

ASSOCIATION OF AI&DS DEPARTMENT



3RD YEAR



2ND YEAR



OUR DEPARTMENT
MAGAZINE RELEASE FUNCTION



1ST YEAR

RESULT OF OUR DEPARTMENT

DEPT OF AI&DS

2023-2024

STAFF NAME	CLASS	SUBJECT	PASS
K.MAHESHWARI	3YR AI&DS (VI SEM)	CCS354- NETWORK SECURITY	100%
S.MAHALAKSMI	3YR AI&DS (VI SEM)	CCS364- SOFT COMPUTING	100%
R.SINDHUJA	2YR AI&DS (IV SEM)	AL3452- OPERATING SYSTEMS	100%
R.SINDHUJA	3YR AI&DS (VI SEM)	CCS335- CLOUD COMPUTING	100%

EVEN SEMESTER RESULT

Congratulations to all the students for achieving a 100% result in the even semester! Your dedication, hard work, and perseverance have truly paid off, and this remarkable accomplishment is a testament to your commitment to excellence. Such a collective success reflects not only your individual efforts but also the guidance of your teachers and the support of your families. Keep striving for greatness and let this milestone inspire you to reach even higher goals in the future. Well done!

ODD SEMESTER RESULT

Congratulations to all the students who achieved a 100% result in the odd semester! Your hard work, dedication, and unwavering commitment to excellence have truly paid off. This outstanding achievement is a reflection of your perseverance, focus, and determination to succeed, even in the face of challenges. You have set a remarkable example for your peers and made your teachers and families immensely proud. Keep up the great work this is just the beginning of many more accomplishments to come!

STAFF NAME	CLASS	SUBJECT	PASS
S.MAHALAKSMI	3YR AI&DS (VSEM)	CCS334- BIG DATA ANALYTICS	100%
A.MAHESH	3YR AI&DS (VSEM)	CCS338- COMPUTER VISION	100%