



**CRESCENT**

**DEPARTMENT OF  
ARTIFICIAL INTELLIGENCE  
& DATA SCIENCE**

**INSTITUTE VISION**

"Moulding Professionals par Excellence with Integrity, Fairness and Human Values".

**INSTITUTE MISSION**

1. We commit to develop the institution as a Center of Excellence of International Standards
2. We guide our students in the attainment of intellectual and professional competence for successfully coping with the rapid advancements in technologies and the ever changing world of business, industry and services
3. We help each and every student in their personal growth into mature and responsible individuals
4. We strive to cultivate a sense of social and civic responsibility in our students, thus empowering them to serve humanity.
5. We promise to ensure a free environment where quest for the truth is encouraged

**DEPARTMENT VISION**

"Moulding professionals catering to research, innovation and entrepreneurial developments for global digitalization."

**DEPARTMENT MISSION**

- To inculcate research culture for design and innovative development towards a better world.
- To guide and mould the students to become globally competent professionals with ethical values.
- To generate innovative ideas, and disseminate it through quality publications.

**PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

The program educational objectives (PEO) of the Department of Artificial Intelligence & Data Science are to develop graduates who possess:

- ☑ Shall apply their skill-based knowledge attained during undergraduate education to adapt with the recent technological advancements and acquire a promising career.
- ☑ Shall possess critical thinking, professional skills and strong work ethics, to solve real world problems required to cater the needs of industry and to serve the society.
- ☑ Shall learn, apply and adapt to grow with the industrial needs thereby becoming a successful innovator in the challenging technological world.
- ☑ Shall have the competency to seek higher professional degrees, certifications and to do quality research work as an individual or as a team.

**PROGRAM SPECIFIC OUTCOMES (PSO)**

The Program Specific Outcomes of the Department of Artificial Intelligence & Data Science are:

- Able to apply the computational knowledge of data science, machine learning and deep learning to analyse, design and model novel applications.
- Ability to become an entrepreneur, which provides engineering solutions for industrial and societal problems.
- Up-skilling in advanced data science, machine learning and deep learning technologies.

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## PRINCIPAL'S MESSAGE:



I am glad to hear that the Viswajyothi College of Engineering and Technology Department of Artificial Intelligence and Data Science publish a departmental newsletter called "AEONIX." In addition to fulfilling the academic requirements and university curriculum, the department provides all of its students with first-rate academic and sociotechnical facilities, cutting-edge infrastructure, highly qualified and experienced teaching staff, and a plethora of extracurricular and sociocultural activities throughout the year. I am hoping this keeps going and gets to the very best. It makes me happy to see how well you all get along and I wish you all the best.

**Dr.K.K.Rajan**

## HOD'S MESSAGE

Department of Artificial Intelligence (AI) & Data Science (DS) aims at moulding highly competent AI & DS professionals which are in high demand in the present society. AI deals with the process of enabling computers/machines to perform intellectual tasks like decision making, problem solving, perception, human language understanding, image recognition etc. AI has in fact made human life more comfortable and efficient. Typical examples are Amazon's virtual assistant "Alexa", social robot "Sophia", IoT enabled devices etc. Data science is an interdisciplinary field focused on extracting knowledge from typically large data sets and applying the knowledge and insights from that data to solve problems in a wide range of application domains like health, climate modelling, business, entertainment etc. As such, it needs skills from computer science, statistics, information science, mathematics, data visualization.

The Department trains future educators, researchers and engineers through an intensely personal engagement in a set of research activities that span the development of fundamental knowledge about computational processes, the design of new computing systems and methods, and the creation of novel applications that benefit society at large. The emphasis on interdisciplinary research facilitates engagement with departments across the college and promotes novel uses of information technology across a wide range of disciplines. Good infrastructure consisting of well-equipped laboratories, high speed internet connection, high end computing facilities, and library access to a wide range of electronic databases, which in turn assist the productivity of the students are the other high lights of the department.

**Dr. Anita Brigit Mathew**



## STAFF ACHIEVEMENTS

- Dr. Anita Brigit Mathew took charge as the Head of the Department of Artificial Intelligence and Data Science . We congratulate and welcome her to the new position.
- Dr. Anita Brigit Mathew contributed as session chair in the 6th International conference on Recent Advances in Intelligent Computational Systems, RAICS 2024 on 16th -18th May 2024 organized by Mar Athanasius College of Engineering Kothamangalam, a flagship conference of IEEE Kerala section
- Ms. Femy John successfully completed an NPTEL course on Parallel Computer Architecture conducted by IIT Guwahati during Feb - April 2024.
- Ms. Femy John was selected for Student Fellowship and attended the 37th International Conference on VLSI Design, VLSID'24 from 6th – 11th January 2024 at Kolkata, India.



## FACULTY DEVELOPMENT PROGRAM/WORKSHOP

- Ms.Silpa Joseph attended a One week FDP and workshop on "Advanced Computer Vision for Video and Image Analysis and Applications" organized by the Department of Computer Science and Engineering at Indian Institute of Information Technology, Kottayam, during 17th -21st June 2024.
- Ms.Anjaly Muralidharan attended a One week FDP and workshop on "Advanced Computer Vision for Video and Image Analysis and Applications" organized by the Department of Computer Science and Engineering at Indian Institute of Information Technology, Kottayam, during 17th -21st June 2024.
- Ms.Anupriya Mohan attended a One week FDP and on "Cyber Security and Forensics" organized by the Department of Computer Science and Engineering at Mangalam College of Engineering, Ettumanoor,Kottayam during 22nd -26th January 2024.
- Ms.Anupriya Mohan attended a One week FDP and on "Universal Human Values" organized by AICTE during 17th -21st June 2024.

## PROGRAMS ORGANIZED BY THE DEPARTMENT

- Webinar on 'Low Code Approach for Artificial Intelligence' was conducted by CoreEL Technologies for the faculties on 20th March 2024.
- The Artificial Intelligence and Data Science students of 2021-2025 batch went for their industrial visit on 20/3/2024 to Infinity3D Pvt.Ltd, Goa.



- The Artificial Intelligence and Data Science students of 2022-2026 batch went for their industrial visit on 17/2/2024 to Red Team Hacker Academy, Thiruvananthapuram.



- Workshop on fusion 360 was conducted by CADCENTER Indian Educational Enterprises P LTD. for the Artificial Intelligence and Data Science students of 2022-2026 batch on 12th April 2024.



## FACULTY PUBLICATIONS

- Ms. Mary Nirmala George presented a paper "Energy-Efficient LEACH Approach Employing SOM and K-Means" in the 6th International conference on Recent Advances in Intelligent Computational Systems, RAICS 2024 on 16th - 18th May 2024 organized by Mar Athanasius College of Engineering Kothamangalam, a flagship conference of IEEE Kerala section



## STUDENTS ACHIEVEMENTS

- Chris Joy has completed as top 5% with a score of 75% in the course, "Programming in JAVA" organized by IIT Kharagpur in association with NPTEL from Jan – April 2024 with an Elite Certification.
- Alex Benny, Advait Jayaprasad, Mohit Manoj attended 3 day workshop on Aesthetics of Technology of Things organized by Human Resource Development centre(HRDC) of the University in collaboration

with Kerala Lalit Kala Academy, Kerala Sahithya Academy and Kerala Sangeetha Nataka Academy held at Govt Engineering College, Thrissur from Feb 19-21, 2024 .



- Jithin P J got Second Prize in Idukki District, 46th Arm Wrestling Championship 2024-25 held at Thodupuzha on 12th May 2024.
- Jiya Regi completed 12-week online certification course, "Programming in JAVA" organized by IIT Kharagpur in association with NPTEL from Jan – April 2024.
- Chris Joy completed 4-week online certification course, "Fundamental Algorithms: Design and Analysis" organized by IIT Kharagpur in association with NPTEL from Jan – Feb 2024.
- John paul Naiju, Donit Chacko and Jophan Shaji of 2021-2025 batch participated in hackathon "Build with AI" conducted by google Club.



- Donit Chacko, Joseph Benedict, Ronald Toneesh and Alan Alex Benoy of 2021-2025 batch participated in hackathon conducted by Technogenesis at SCMS School of engineering and Technology, Karukutty.
- Mr.Sanal Jose of 2021-2025 batch has successfully completed a course on "Python for Data Science" conducted by NPTEL and funded by MoE, Govt of India.
- Ms.Rose Elisabeth Rajan of 2021-2025 batch has successfully participated in "Backend Development" as part of TATHVA'23 conducted by NIT CALICUT on January 2024.
- Mr.Rahul Rajith of 2021-2025 batch has successfully completed a course on "Machine Learning A-Z:AI Python &R+ ChatGPT Prize 2024"

conducted by UdeMy on June 8th 2024.

- Mr. Johann Aby Vannilam, Elizabeth Paul and Basil Joy of 2021-2025 batch has successfully participated in "Backend Dev Workshop" as part of DRISHTI'24 conducted by CET Trivandrum on April 2024.



- C S Alfred of 2021-2025 batch is selected as IEEE Computer Society Chair and Bastin George is elected as IEEE VJCT Student Branch Secretary.
- Bharath N, Aksa Ann Glemin and Ameer P Ibrahim participated in Mega Atv championship conducted in Goa. The ATV has also participated in the international event SAE Baja.
- Alby Benny, Christo Vincent and Athul S attended Hackthon AI conducted by google developers club at Sahradya College of Engineering, Thrissur



- Students achieved various certifications from NPTEL, COURSERA, Microsoft Spring board etc. and also attended internships from recognised Institutions/Firms.

## PLACEMENT STATISTICS

- Our students Abin Antony, Abishek Ravi, Alby Benny, Ameer P Ibrahim, Ardhra Ann Denny, Athul S, Christo Vincent, Mikhela Theres, Nivya Vineeth, Rahul Praveen and Rohan Raj got placed at TCS.
- Our students Mikhela Theres, Rahul Praveen, Amithrajith V, Anjaly K Vinod, Ann Mariya Kurian, Joseph Vincent, Navaneeth V Nair, Athira Susan, Nova Emmanuel, Adhila Beegum, Aksa Ann, Ananthkrishna D S, Devadath, Allen Antony, Sandra Theresa and Sruthi Chandran got placed at Sutherland.
- Our student Nivya Vineeth got placed at Experion
- Our student Athira Susan got placed at PKJ Technologies
- Our student Jeevika Sojan got placed at EY

## GRADUATION

- First batch of our students graduated in JUNE 2024 with 100% pass in their S8 results and an overall pass percentage of 84.44.



## CONGRATULATIONS

- First batch of our students graduated in JUNE 2024 with 100% pass in their S8 results and an overall pass percentage of 84.44.



## UNIVERSITY RESULTS

Batch	Result Percentage
S1 AD (2023-2027 Batch)	45.16%
S3 AD (2022-2026 Batch)	84.13%
S5 AD (2021-2025 Batch)	74.07%
S7 AD (2020-2024 Batch)	95.56%

## ACADEMIC EXCELLENCE

2020-2024 Batch  
(S7 Topper)  
REETHU GEORGE  
(SGPA-9.40)



2021-2025 Batch  
(S5 Topper)  
Fr. Sanal Jose  
(SGPA-9.10)



2022-2026 Batch (S3-Toppers)  
Helen Joji (SGPA-9.27) & Mariena Thomas (SGPA-9.27)



2023-2027 Batch (S1-Topper)  
Anjitha Ajith (SGPA 9.15)



**STAFF EDITOR** Ms. Vinija Kurian, AP, AD