VISWAJYOTHI
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

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.

PRINCIPAL'S MESSAGE:

I am glad to hear that the Department of Artificial Intelligence and Data Science of Viswajyothi College of Engineering & Technology is going to publish a departmental newsletter called "CRESCENT". In addition to fulfilling the academic requirements and university curriculum, the department provides all of its students with state of art 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

STAFF ACHIEVEMENTS

- ➲ Dr.Melvin C Jose was a resource person for KTU Sponsored FDP at Viswajyothi College of Engineering and Technology Muvattupuzha on "Advances in communication engineering" on 9th March 2023.
- ➲ Dr. Anita Brigit Mathew was a resource person at ILAHIA College of Engineering and Technology, Mulavoor for "IEEE International Conference on Innovations in Engineering and Technology" on 13th and 14th July 2023.

- ➲ Dr. Anita Brigit Mathew was a resource person for KTU Sponsored FDP at Viswajyothi College of Engineering and Technology Muvattupuzha on "Data Analytics for decision making" on 27th February to 3rd March 2023.
- ➲ Dr. Anita Brigit Mathew is approved as Research Supervisor under KTU University
- ➲ Dr.Melvin C Jose, Dr. Anita Brigit Mathew and Ms.Silpa Joseph were appointed as examination chairman's for KTU University practical examinations.
- ➲ Ms.Mary Nirmala George Completed Coursera online certification course on 'Basic Modeling for Discrete Optimization', conducted by The University Of Melbourne (Jul 2022) from June – July 2022.
- ➲ Ms.Mary Nirmala George Completed the self-paced training course "Optimization Onramp" by MathWorks Training services on 25 th Feb 2023.

HOD'S MESSAGE

I am delighted to introduce the first issue of "CRESCENT," our AD Department's newsletter. This edition showcases workshops, Faculty Development Programs (FDP), inspiring talks, and the outstanding achievements of our students and faculty. My sincere thanks to the dedicated faculty and student coordinators for making this possible. Enjoy the read!

Dr. Melvin C Jose

- ➲ Femy Mary John Completed as top 2% with a score of 98% in the course, "Advanced Computer Architecture" organized by IIT Guwahati in association with NPTEL with an Elite + Gold Certification.
- ➲ Femy Mary John Completed as top 5% with a score of 86% in the course, "Multi-Core Computer Architecture – Storage and Interconnects" organized by IIT Guwahati in association with NPTEL with an Elite Certification

FACULTY DEVELOPMENT PROGRAM/WORKSHOP

- ➲ Mr.Somy P Mathew attended a APJ KTU sponsored FDP on "Advances in Communication Engineering" organized by the Department of Electronics & Communication Engineering, Viswajyothi College of Engineering & technology, during 6th -10th March 2023.
- ➲ Dr.Melvin C Jose attended a APJ KTU sponsored FDP on "Advances in Communication Engineering" organized by the Department of Electronics & Communication Engineering, Viswajyothi College of Engineering & technology, during 6th -10th March 2023.
- ➲ Dr. Anita Brigit Mathew attended a APJ KTU sponsored FDP on "ML-AI" conducted by the ICT Academy of Kerala organized by the Department of Computer Science & Engineering, Viswajyothi College of Engineering & technology, during January 30th to February 3rd 2023.
- ➲ Ms.Silpa Joseph attended a APJ KTU sponsored FDP on "ML-AI" conducted by the ICT Academy of Kerala organized by the Department of Computer Science & Engineering, Viswajyothi College of Engineering & technology, during January 30th to February 3rd 2023.
- ➲ Ms.Mary Nirmala George attended a APJ KTU sponsored FDP on "Advances in Communication Engineering" organized by the Department of Electronics & Communication Engineering, Viswajyothi College of Engineering & technology, during 6th -10th March 2023.
- ➲ Ms.Femy John attended a APJ KTU sponsored FDP on "Advances in Communication Engineering" organized by the Department of Electronics & Communication Engineering, Viswajyothi College of Engineering & technology, during 6th -10th March 2023.
- ➲ Ms.Mary Nirmala George attended a APJ KTU sponsored FDP on "ML-AI" conducted by the ICT Academy of Kerala organized by the Department of Computer Science & Engineering, Viswajyothi College of Engineering & technology, during January 30th to February 3rd 2023.
- ➲ Ms.Femy John attended a APJ KTU sponsored FDP on "ML-AI" conducted by the ICT Academy of Kerala organized by the Department

of Computer Science & Engineering, Viswajyothi College of Engineering & technology, during January 30th to February 3rd 2023.

- Ms.Geethu Gopan attended a workshop on "Data Analysis with R programming" held from 25 february 2023 to 26 february 2023 conducted by commcad.
- Ms.Sneha Benny attended a workshop on "Data Analysis with R programming" held from 25 february 2023 to 26 february 2023 conducted by commcad.

PROGRAMS ORGANIZED BY THE DEPARTMENT IN ASSOCIATION WITH CSI/ISTE/IIC /R&D

- The Artificial Intelligence and Data Science Department Association, called "CRESCENT," was launched by Mr.Linil Paul,Senior Project Manager,Lt-Mindtree, as a lively and colourful celebration of creativity, innovation, and teamwork. Our department comes together during this festival to share knowledge, to show our abilities, and deepen our ties to one another as a community.

- The Artificial Intelligence and Data Science students of 2020-2024 went for their excursion to the beautiful costal state of Goa from 28th May 1st June 2023.

- The Artificial Intelligence and Data Science students of 2021-2025 went for their industrial visit on 30th May 2023 to Red Team Hackers Academy situatedThampanur, Trivandrum.
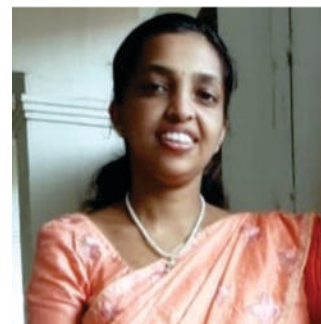

FACULTY PUBLICATIONS

- AB Mathew, "Detect and Prevent Phising Websites using Machine Learning Techniques," Journal of Emerging Technologies and Innovative Research, 2022, vol. 9, issue 6, pp: 218-225, ISSN: 2349-5162.

- Ayer, Bharti, Dara, Vijaya Lakshmi, AB Mathew, M. Saradha, and R. Karthik. "An efficient management education in developing women entrepreneurial aspirations," International Journal of System Assurance Engineering and Management, 2022, pp: 1-12, ISSN: 0976-4348.
- Ms.Mary Nirmala George Presented a paper on " K-means based LEACH protocol Implementation" in 9th International Conference on Smart Computing and Communications (ICSCC 2023) sponsored by IEEE Kerala Section held at Muthoot Institute ofTechnology & Science, Kochi.

- Ms.Mary Nirmala George Presented a paper on " Importance of Machine Learning based Clustering algorithms in Wireless Sensor Networks" in International Colloquium on Advances in Engineering & Technology, in association with Saint Petersburg Electro technical University "LETI" Russia held at Mar Athanasius College of Engineering Kothamangalam

STUDENTS ACHIEVEMENTS

- Navaneeth V Nair Shortlisted among the three finalists teams for the global video contest conducted as part of ICIP conference 2023 and Selected as the IEEE Day Ambassador of the year 2023
- Aksa Ann Glemin Won 1st place in 3×3 basketball tournament conducted in our college.
- Devadath T M of semester 7 secured IFH Award For Best Actor
- Sandra Theresa Mathew and Navaneeth V Nair got appreciation for participating in a funded project under IEEE APS and IEEE HAC to set a smart street light system that uses solar energy along with the application of IoT and wireless communications at the forest area of Pooyamkutty, Kuttampuzha Grama Panchayath by IEEE SB VJCET in association with IEEE SIGHT VJCET, LIGHTS UP
- 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
- Alwin P Jose,Alby Benny,Abin Antony,Athul Ashok,Christo Vincent,Navaneeth V Nair,Allen Antony,Denil George,Georgekutty Jose,Rohan Raj and Nihal Thomas AWS Internship at IIT Kottayam from 03.05.2023 to 31.05.2023
- Athira Susan Sabu attended Internship in Machine Learning with Python conducted by Verzeo in collaboration with IBM from 01.10.2022 to 30.11.2022
- Aswin V A,Aby Johnny,Amithrajith V,Ananthkrishna D S,Bharath N,Kevin Tom Sajeev,Devadath T M,Joel Punnassery and Jom Sebastian attended Web Development internship at keltro, Trivandruth from 22.05.2023 to 26.05.2023

- Joseph Vincent, Abishek Ravi, Ameer P Ibrahim and Muhammad Hansif attended Internship at INTERN- IT Department Of High Court Of Kerala from 04.05.2023 to 12.05.2023.

- Mr. Ryan Mathai Abraham has been selected as Google Developer Student Club lead. Google Developer Student Club is a community group for students who are keen to expand their knowledge and come up with solutions. GDSC's mission is to help students to identify relevant, forward looking objectives, solve live problems, learn a wide range of technical tools, bridge the gap between theory Vs practice with comparable goals.

- Mr. Ryan Mathai Abraham completed various online courses conducted by different platforms such as Introduction to Data Science by CISCO Networking Academy, AI0101EN : AI For Everyone : Master The Basics by IBM and FC1x : Fat Chance : Probability From The Ground by HarvardX, edX

- Fifth semester Students of Viswajyothi College Of Engineering And Technology from the department of Artificial And Data Science attended their internships on Self-Driving Electric Vehicle conducted by the Techmaghi, associated with Kshitij, IIT Kharagpur, Artificial Intelligence from ORBO conducted by the Teachnook, Machine Learning With Python at Inventeron, Data Science With Machine Learning conducted by the Camerin Group and Machine Learning and Artificial Intelligence at Keltron.

- Mr. Johann Aby Vannilam of Viswajyothi College Of Engineering And Technology, secured the 2nd prize in the event MINDSCAPE in BODHI'23 which is a National Level Technical Festival held on 28th & 29th of March 2023 held at Viswajyothi College Of Engineering And Technology.

- Mr. Rickson Raphel and Mr. Sandesh Varghese Sunny (3rd year students of Artificial Intelligence And Data Science) were the mentors of a program conducted by the GDSC, in which about 50 students had taken part. It was a workshop of 3 day program teaching about the basics in python

- Dinu Shibuchan, Lakshmi Hani, Aby Shajan have participated in ARANG, an Inter Engineering College Kalolsavam of SANSKRITI'2023, the Annual National level Cultural Fest of Mar Athanasius College of Engineering, Kothamangalam held on 27,28 & 29 April 2023. Lakshmi Hani has won Third prize in Bharathanatyam and Dinu Sibuchan has won Third prize in Mono Act.

- Anandu Biny has participated in five day student development workshop on "Deep Learning, ML, ANN & AI" held from 22.05.2023 to 26.05.2023 at Yeldo Mar Baselios College, Puthuppady.

- Lakshmi Hani, Karthika Jayachandran, Helen Joji, Ann Grace Francis, Muhsina Nazar, Chris Joy have completed a one week Internship Program conducted at KELTRON KNOWLEDGE CENTRE, Kaloor held from 25.05.2023 to 31.05.2023 on the topic DATA SCIENCE AND MACHINE LEARNING USING PYTHON.

- Achuth Sankar T.S, Dinu Shibuchan, Aby Shajan have participated in SAPTHA, an Inter College Arts Fest held at GEC Palakkad on September 14 – 17, 2023. Dinu Shibuchan has won First prize in Mimicry.

- Mariena Thomas has attended ICSSR Sponsored Two-Day National Seminar on India's G20 Presidency: Scope for Strengthening Peace and Sustainable Development organized by PG Department of Economics, Nirmala College, Muvattupuzha from 3rd to 4th October 2023 and presented a Paper entitled ' SWOT ANALYSIS ON WOMEN ENTREPRENEURS:A STUDY WITH REFERENCE TO ANGAMALY'.

- Jithin P.J and Chris Joy have participated in one day workshop on Python conducted by Zoople Technologies, dated on 28- 09-2023 and has successfully completed programme.

- Adithya Raj, Akshay Roy, Helen Joji, Fayiz Ali, Joseph James, R.Jayadev, Jose Martin, John Sunny have participated in a one day program AKSC'23 organized by IEEE KeralaSelection Summit held at TKM Engineering College, Kannur.

- Cyriac Paul Pullan has completed an Internship with Academor for a duration of one month under the domain Artificial Intelligence.

- Albert Johnson completed an internship with Academor from 01/02/2023 to 31/03/2023 under the domain Android Development.

- Jithin P.J has attended a Nxtwave webinar, about career choices for today's studentsand a path to get high-paid jobs like the top 1% IITians.

- Gouripriya P.S has participated in the first edition of All Kerala Intercollege MalayalamElocution Competition 'Pulimoottil Silks Best Speaker Award ' on 31 st January 2023 at Newman College, Thodupuzha.

- Sitalakshmi B, Muhsina Nazar, Helen Joji, Karthika Jayachandran, Priya Mary Prince, Aysha Nassar, Jithin P.J , Karun Sankar A have participated in self-driving electric vehicle workshop conducted by Tech Maghi and SAE MACE on 19th and 20th November 2022 as a part of Takshak 22, national-level tech-fest of Mar Athanasius College of Engineering, Kothamangalam.

UNIVERSITY RESULTS

Batch	Result Percentage
S1 AD	87.3
S3 AD	64.81
S5 AD	77.77

ACADEMIC EXCELLENCE

2020-2024 Batch(S5 Topper)
Nivya Vineeth

2021-2025 Batch (S3 Topper)
Fr. Sanal Jose

2022-2026 Batch (S1-Topper)
Mariena Thomas

STAFF EDITOR   **Anjaly Muralidharan**
AP, AD