

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE NEWSLETTER



VISION

Creating ethical leaders through quality professional education with emphasis on holistic excellence.

MISSION

- To emerge as an institution par excellence of global standards by imparting quality engineering and other professional programmes with state-of-the-art facilities.
- To equip the students with appropriate skills for a meaningful career in the global scenario.
- To inculcate ethical values among students and ignite their passion for holistic excellence through social initiatives.
- To participate in the development of society through technology incubation, entrepreneurship and industry interaction.

CORE VALUES

Faith in God and man · Love of fellow beings · Belief in universal citizenship · Moral integrity · Social commitment.



Jyothi Engineering College

Reaccredited with NAAC (Grade A)

Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE AND TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTKATTI P.O., CHERUTHURUTHY, THRISSUR, 679531 | Ph. +91 4864 259000 | info@jecc.ac.in | www.jecc.ac.in



DEPARTMENT MISSION

Strengthening basic competencies in the domains of Artificial Intelligence and Data Science. Providing high-quality, value-based technical education and developing technology professionals with creative ideas and compelling leadership abilities. Using logical thinking to create and develop cutting-edge products in collaboration with industry stakeholders in order to meet global expectations and requirements. Enabling graduates to adapt to new technologies via strong fundamentals and lifetime learning.

DEPARTMENT VISION

Creating ethical leaders in the domain of Artificial Intelligence and Data Science through effectual teaching and learning process to develop emerging technology solutions for the benefits of industry and society with a focus on holistic learning and excellence.

PROGRAMME EDUCATIONAL OBJECTIVES

- Graduates will demonstrate comprehensive expertise in Artificial Intelligence, Machine Learning and Data Analysis, and apply interdisciplinary knowledge in Computer Science, Statistics and Advanced Mathematics to address real-world challenges.
- Graduates will innovate and create impactful solutions ethically, contributing to societal betterment, leveraging their leadership, collaboration and communication skills for effective teamwork and multidisciplinary endeavours.
- Continuously fostering a culture of lifelong learning, graduates will adapt to evolving technological landscapes, demonstrating adaptability and a commitment to ongoing professional development in the dynamic field of AI and Data Science.

PROGRAMME SPECIFIC OUTCOMES

- Graduates will be able to apply core principles of Science, Engineering and Mathematics to develop AI-driven solutions for real-world challenges.
- Graduates will design, develop and implement efficient as well as scalable algorithms using programming languages, data structures and cloud computing technologies.
- Graduates will integrate ethical, social and security considerations while developing AI-driven intelligent systems, ensuring responsible AI deployment.

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S4 KTU Result Analysis and College Day 2026 honours

A Note from the HoD...

Welcome to the **8th Issue** of the Artificial Intelligence and Data Science Department Newsletter, covering the even semester of the academic year **2025–2026**. If the odd semester was about bringing the outside world into our classrooms, this one was about our students stepping out to meet it.

Within a single fortnight in January the department ran a technical bootcamp on **Agentic AI**, hosted **YODHA: Warriors of AI** — a twenty-four-hour national-level hackathon that brought a hundred participants from engineering colleges across India onto this campus — and held **CODEX**, a prompt-engineering competition in which students built working web applications inside a two-hour window. In March, the S6 batch put its own machines on show at the **Robotics and Intelligent System Project Expo**.

The academic results tell the same story of steadiness. Across the S4 A and B batches, **eighty of ninety-two students cleared the semester at the first attempt including revaluation — 86.96 per cent** ahead of every nearby college we compared ourselves against, and a clear improvement on the three preceding batches.

My thanks to the faculty coordinators, to the AIDA committee, and to the students who organised, judged, fetched, fed and cleared up. A department is built by people willing to do the unglamorous half of the work.

MR. SHINE P XAVIER
Head of the Department

Student Spotlight

YODHA was a student production. A hundred participants, twenty volunteers, two judges and two faculty members shared the auditorium for twenty-four hours; the registration drive, the sponsorship, the judging schedule and the overnight logistics were run by the AIDA committee and its volunteers, with support from ESAF, Softronics and Tharang.

On the field, **Mr. Al Amthan R. M. (S8 AD)** took the gold medal in Kata and Kumite at the APJAKTU Inter-Zone Karate Championship 2025–26, won silver at the South-West Zone Inter-University Championship, and was selected to the APJAKTU men's karate team for the All India Inter-University Championship. **Ms. Sneha Paul (S8 AD)** won silver in the women's discus throw at the APJAKTU Intercollegiate Athletic Meet and was named Individual Champion (Sports) — Girls at College Day 2026.

In the classroom, **Ms. Vrindha Manoj Kumar** topped the S4 semester with an SGPA of 9.27 and **Ms. Aysha Shaza Kaniyatta** led the A batch with 9.23 — both of whom also sit at the top of the cumulative table.

THE SEMESTER AT A GLANCE

Date	Programme	Venue / Mode	Resource person or partner
7 January 2026	One-Day Technical Bootcamp on Agentic AI	CC Lab-2	Mr. Aakash K and Mr. Ramanathan M
9–10 January 2026	YODHA: Warriors of AI — 24-hour hackathon	Auditorium and campus labs	AIDA, with ESAF and Softronics
15 January 2026	CODEX — Build Web Apps with AI	Project Lab	Department of AI & DS
4 March 2026	Robotics & Intelligent System Project Expo	WAB 405	Mr. Arjun K M, course instructor
14 March 2026	Fundamentals of Artificial Intelligence	Online	Er. John Johnson

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DEPARTMENT OF ARTIFICIAL
INTELLIGENCE AND DATA SCIENCE

IN THIS ISSUE

Agentic AI Bootcamp — one-day technical bootcamp, January 2026

YODHA: Warriors of AI — 24-hour national hackathon, January 2026

CODEX — build web apps with AI, January 2026

Robotics & Intelligent System Project Expo — March 2026

Fundamentals of Artificial Intelligence — technical talk, March 2026

S4 KTU Result Analysis — 2024 scheme, A and B batches

College Day 2026 — departmental honours

THE SEMESTER IN NUMBERS

124 people took part in YODHA, the department's first national-level hackathon.

25 teams shortlisted from 44 registrations across India.

86.96% combined S4 pass percentage — the highest among the nearby colleges compared.



DEPARTMENT HIGHLIGHTS

One-Day Technical Bootcamp on Agentic AI

The department organised a one-day technical bootcamp on **Agentic AI**, exclusively for S8 AD students, on **7 January 2026** at CC Lab-2. The sessions were handled by **Mr. Aakash K**, Cohort Trainer (DT/iHub), and **Mr. Ramanathan M**, Professional Associate (SNS I-Hub), and coordinated by **Ms. Nikhitha N** and **Ms. Sindhu S**, Assistant Professors.

The day opened with generative AI and moved into prompt engineering, where students worked through the difference between a good and a bad prompt by hand. Later sessions covered large language models and a range of generative tools — D-ID, Suno, Sora and Playground AI — with live demonstrations of image, music and video generation.

A deep dive into agentic AI followed: what an agent is, how one is put together, and where such systems are already at work. Students then designed and presented AI agents of their own in groups, and the day closed with a visit to the SPINE lab.



The Agentic AI bootcamp in CC Lab-2, 7 January 2026.

For a final-year batch about to enter the profession, the value of the day lay less in any one tool than in the working habit it demonstrated: state the problem precisely, ask the system for a first attempt, judge what comes back, and ask again.

YODHA: Warriors of AI — 24-Hour National Hackathon

YODHA: Warriors of AI, organised by the department through AIDA, ran from **2:00 p.m. on 9 January to 3:00 p.m. on 10 January 2026** in the auditorium and campus labs. Of forty-four registrations from across India, **twenty-five teams** were shortlisted for the offline final; in all, **124 people** were involved — 100 participants, 20 volunteers, two faculty coordinators and two judges.

The brief asked for AI-driven solutions to real problems in **healthcare and environmental safety**. The inauguration was led by **Mr. Shine P Xavier** (HOD), with the presidential address by **Dr. P. Sojan Lal** (Principal), the inaugural address by **Rev. Fr. Deljo Puthoor** (Joint Director, Amala Institute of Medical Sciences) and felicitations by **Rev. Fr. Jose Kannampuzha** (Academic Director).



Teams at work on the opening afternoon of the 24-hour sprint.

The sprint ran through the night and judging concluded the following afternoon, with a prize pool of ₹30,000.



The inauguration on 9 January, which opened the 24-hour sprint.

YODHA was the department's first national-level event, and the first time this campus hosted teams from other colleges overnight.

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RESOURCE PERSONS

Mr. Aakash K — Cohort Trainer, DT/iHub. Agentic AI bootcamp.

Mr. Ramanathan M — Professional Associate, SNS I-Hub. Agentic AI bootcamp.

Er. John Johnson — over two decades in the IT industry with Infosys, TCS, General Motors, Ford, Citibank, Hewlett Packard and PayPal. Technical talk on the fundamentals of AI.



SUPPORTED BY

ESAF · Softronics · Tharang · µLearn · FAMCO · Jubilee Mission Healthcare & Educational Institutions · Amala · SUN

DEPARTMENT HIGHLIGHTS



YODHA: participants, volunteers, faculty and judges — 124 people in all.

CODEX — Build Web Apps with AI

CODEX, a two-hour individual prompt-engineering competition, was held on **15 January 2026** in the Project Lab. Systems were provided, and participants were encouraged to use AI development platforms such as Replit, Lovable, Base44 and ChatGPT to generate code, interface and backend scaffolding, then refine the result by iterating on their prompts.

Entries were judged on prompt strategy, functional output and the polish of the interface — design, prompt, iterate, deploy, inside a tight timebox. The competition introduced students to AI-assisted development as a working method rather than a novelty.

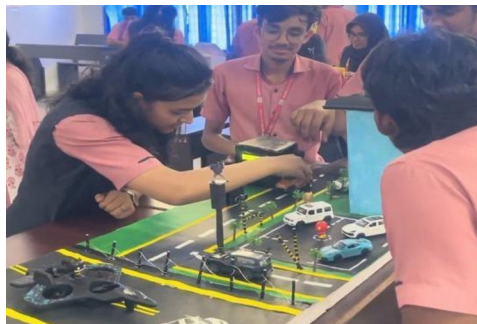


CODEX in the Project Lab, 15 January 2026.

Robotics & Intelligent System Project Expo

The S6 B.Tech AI & DS batch (2023–2027) organised the **Robotics and Intelligent System Project Expo** on **4 March 2026** at WAB 405, as part of the Robotics and Intelligent System course. **Mr. Arjun K M**, course instructor and project coordinator, guided the exhibition.

Every project on show had to run, not merely be described: a scale smart-city model with end-to-end traffic control, an automated pouring mechanism, sensor-driven builds and several intelligent-system prototypes, each explained by its team to a visiting faculty panel.



A scale smart-city model at the project expo, 4 March 2026.

Technical Talk: Fundamentals of Artificial Intelligence

The department, in association with AIDA, organised an online technical talk on **Fundamentals of Artificial Intelligence (ML, DL, GenAI and Agentic AI)** on **14 March 2026**, from 10:00 a.m. to 12:00 p.m. The resource person was **Er. John Johnson**, who has spent over two decades in the IT industry. The talk was aimed at first- and second-year AI & DS students and covered founding principles, practical applications and the trends now reshaping the field.

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AT A GLANCE

44 registrations across India for YODHA; 25 teams shortlisted for the offline final.

₹30,000 prize pool at the 24-hour hackathon.

2 hours — the CODEX timebox, from empty screen to working web application.

S6 batch behind the Robotics and Intelligent System Project Expo.

Jyothi Engineering College (AUTONOMOUS)
A Centre of Excellence in Science and Technology by the Catholic Archdiocese of Trichur

The Department of Artificial Intelligence and Data Science
In association with
AIDA (The Students' Association)
Organizes a Technical Talk on

FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE

(ML, DL, GenAI and Agentic AI)

DATE: March 14, 2026 (Saturday)
TIME: 10:00 AM – 12:00 PM
MODE: Online

RESOURCE PERSON
Er. John Johnson
Having over two decades of experience in the IT industry in diverse roles such as Business Development Manager, Senior Project Delivery Manager, Campus Recruitment Program In-Charge, Software Architect, Senior Software Developer, and Technical Trainer for reputed organizations including Infosys, TCS, General Motors, Ford, Citibank, Hewlett Packard, and PayPal.

ABOUT THE TALK
The session aims to familiarize students with the fundamental principles, practical applications, and emerging trends in AI technologies, helping them build a strong foundation and awareness of the rapidly evolving AI landscape.

TARGET AUDIENCE: First Year and Second Year Artificial Intelligence and Data Science Students

"We look forward to your active participation!"
Organized by Department of Artificial Intelligence and Data Science
In association with AIDA (The Students' Association)

The March technical talk was aimed at first- and second-year students of the department.

STUDENT ACHIEVEMENTS

College Day 2026 — departmental honours

Mr. Al Amthan R. M. (S8 AD)

- Gold medal in Kata and Kumite, APJAKTU Inter-Zone Karate Championship 2025–26.
- Silver medallist, South-West Zone Inter-University Karate Championship 2025–26.
- Selected to the APJAKTU men's karate team for the All India Inter-University Karate Championship 2025–26.

Ms. Sneha Paul (S8 AD)

- Silver medal, women's discus throw, APJAKTU Intercollegiate Athletic Meet 2025–26.
- Individual Champion (Sports) — Girls, College Day 2026.

S4 semester toppers — A batch

- **Ms. Aysha Shaza Kaniyatta** — SGPA 9.23
- **Mr. Ameya Jose Chazhoo** — SGPA 9.17
- **Ms. Aysha Femin** — SGPA 9.04

S4 semester toppers — B batch

- **Ms. Vrindha Manoj Kumar** — SGPA 9.27
- **Mr. Joseph Geo** and **Ms. Keerthana Madhu** — SGPA 9.13
- **Ms. Sreelakshmi P.** — SGPA 9.08

Cumulative toppers up to S4

- **A batch:** Aysha Shaza Kaniyatta (CGPA 9.21), Ameya Jose Chazhoo (9.11), Jesna C J (9.07)
- **B batch:** Joseph Geo (CGPA 9.14), Stanes Wilson (8.89), Sreedarshan V S (8.52)



Explaining a build to the faculty panel at the project expo.

Four students in the B batch and three in the A batch closed the semester with an SGPA of 9 or above, and twenty-nine across the two batches finished between 8 and 9.

Organisers and volunteers

The twenty volunteers who ran YODHA through the night, the CODEX event leads and the S6 teams who built and demonstrated at the project expo are not named individually here, but the semester belongs to them as much as to the medal and rank holders above.

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UNIVERSITY RESULT
TOPPERS

S4 — A Batch

Aysha Shaza Kaniyatta · SGPA 9.23
Ameya Jose Chazhoo · SGPA 9.17
Aysha Femin · SGPA 9.04

S4 — B Batch

Vrindha Manoj Kumar · SGPA 9.27
Joseph Geo · SGPA 9.13
Keerthana Madhu · SGPA 9.13
Sreelakshmi P. · SGPA 9.08

TOP CGPA UP TO S4

Aysha Shaza Kaniyatta · 9.21
Joseph Geo · 9.14
Ameya Jose Chazhoo · 9.11

ACADEMIC RESULTS

S4 KTU Result Analysis — 2024 scheme

The S4 results for the 2025–2026 cohort were analysed batch by batch. In the **A batch**, 36 of 45 students passed — **80 per cent** — with an average SGPA of 7.94 among those who cleared and a top SGPA of 9.23. In the **B batch**, 44 of 47 passed — **93.61 per cent** — with an average SGPA of 7.86 and a top SGPA of 9.27.

Five courses recorded a hundred per cent pass in the B batch, and five courses in the A batch returned pass percentages above ninety.

Taken together, **80 of 92 students cleared S4 at the first attempt including revaluation — 86.96 per cent**. That is a marked improvement on the three preceding batches, which returned 77.96, 68.75 and 70.91 per cent respectively at the same stage.

Twenty-two students have cleared every subject up to S4 in the A batch and thirty-two in the B batch.

Against the neighbourhood

In the comparison of S4 results across nearby institutions, Jyothi Engineering College led the table:

- **Jyothi Engineering College, Cheruthuruthy — 86.96%**
- MES College of Engineering, Kuttippuram — 71.43%
- Viswajyothi College of Engineering & Technology, Vazhakkulam — 67.27%
- Royal College of Engineering & Technology — 65.91%
- MEA Engineering College, Perinthalmanna — 65.63%
- Ilahia College of Engineering & Technology — 65.63%

The result analysis was presented by the class tutors **Ms. Divya Konikkara** and **Mr. Jayakrishnan A** (A batch) and **Dr. Sajitha A S** and **Mr. Arjun K M** (B batch), with senior faculty advisors **Ms. Anjali O** and **Dr. Anoop V**.

S4 summary	A batch	B batch
Students registered	45	47
Students passed	36	44
Pass percentage	80.00	93.61
Average SGPA (passed)	7.94	7.86
Top SGPA	9.23	9.27
SGPA 9 and above	03	04
SGPA between 8 and 9	13	16

EDITORIAL BOARD

Staff Editor: Ms. Anjali O, Assistant Professor

Student Editor: Aneesh V

Department of Artificial Intelligence and Data Science

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EVENTS AT A GLANCE

7 January 2026 — One-Day Technical Bootcamp on Agentic AI, CC Lab-2

9–10 January 2026 — YODHA: Warriors of AI, auditorium and campus labs

15 January 2026 — CODEX: Build Web Apps with AI, Project Lab

4 March 2026 — Robotics & Intelligent System Project Expo, WAB 405

14 March 2026 — Technical Talk: Fundamentals of Artificial Intelligence, online

S4 RESULTS IN BRIEF

A batch — 36 of 45 passed · 80%

B batch — 44 of 47 passed · 93.61%

Combined — 80 of 92 · 86.96%

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Staff Editor — Ms. Anjali O, Assistant Professor

Student Editor — Aneesh V

CONTACT

Department of Artificial Intelligence and Data Science, Jyothi Engineering College (Autonomous), Cheruthuruthy, Thrissur — 679531

info@jecc.ac.in · www.jecc.ac.in