

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.



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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A Note from the HoD...

It is a particular pleasure to introduce the **first issue** of the Artificial Intelligence and Data Science Department Newsletter. A department of this age has no archive to draw on; everything recorded in these pages is being written down for the first time, and that is reason enough to begin.

We started this programme with a founding batch of fifty-four students and a second of fifty-two, and the early semesters have been demanding ones. The results reported here are set out plainly, the strong subjects alongside the weak, because a newsletter that prints only good news is of no use to anyone. Where a paper has gone against us, the tutors have said why, and what will be done about it.

Against that, there is a great deal to be glad of. Our students have returned a top CGPA of 9.76 and a top semester SGPA of 8.95; our second batch came first among the neighbouring colleges in its semester results; and the department's first technical session under the **NDLI Club** filled a laboratory with forty-six people on a working afternoon.

A newsletter is a habit rather than a document. If this first issue persuades a few more students and colleagues to write down what they have done, it will have served its purpose. My thanks to Ms. Divya Konikkara and to our first student editor for putting it together.

MR. BINEESH M
Head of the Department

Student Spotlight

Athvik S takes up the role of the department's first student editor. Assembling an opening issue is harder than keeping one going — there is no previous edition to copy, no settled list of sections and no established habit of sending in reports — and the structure you are reading was worked out from scratch.

The semester's academic honours belong to **Ms. Chandhini T S**, who topped S3 of the 2020–2024 batch with an SGPA of 8.95, and to **Mr. John Davis**, who led S2 of the 2021–2025 batch with 8.74. **Mr. John Davis** also delivered the welcome address at the NDLI Club session, which is the kind of double entry a department likes to see.

Students are asked to send the editorial desk a line and a date whenever something happens — a competition, a certification, an internship, a workshop attended or conducted. Nothing needs polishing; it only needs to be sent.

THE YEAR AT A GLANCE

Record	Batch / Cohort	Detail
KTU Result Analysis — S3	2020–2024 (54 students)	25 passed · 46.30% · top SGPA 8.95
KTU Result Analysis — S2	2021–2025 (52 students)	33 passed · 63.46% · top SGPA 8.74
NDLI Club technical session	Department-wide	Introduction to LaTeX · 46 participants
Highest CGPA up to S3	2020–2024	9.76

About the department

The department admitted its founding batch in 2020 and its second in 2021. The early semesters are deliberately heavy on fundamentals.

About this newsletter

It will appear each semester with four standing sections: the HoD's note, a student spotlight, departmental activities, and results with class toppers.

NEWSLETTER

DEPARTMENT OF ARTIFICIAL
INTELLIGENCE AND DATA SCIENCE

IN THIS ISSUE

A Note from the HoD — on the department's first newsletter

Student Spotlight — the first editorial team

NDLI Club: Introduction to LaTeX — a hands-on session

KTU Result Analysis — S3 of the 2020–2024 batch

KTU Result Analysis — S2 of the 2021–2025 batch

Class toppers of both batches

THE DEPARTMENT IN NUMBERS

54 students in the 2020–2024 batch, the department's founding cohort.

52 students in the 2021–2025 batch.

9.76 — the highest CGPA recorded in the department up to S3.

46 members attended the department's first NDLI Club technical session.

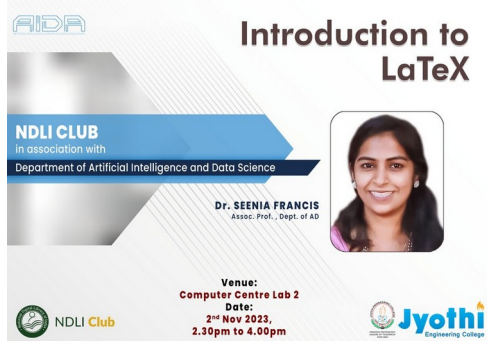
DEPARTMENT HIGHLIGHTS

NDLI Club — Introduction to LaTeX

The **NDLI Club** of Jyothi Engineering College, in association with the Department of Artificial Intelligence and Data Science, organised a session on **Introduction to LaTeX**, aimed at giving students an overview of the typesetting system and of where it still matters. The session was attended by **forty-six members** and was led by **Dr. Seenia Francis**, Associate Professor. **Mr. John Davis (S5 AD)** delivered the welcome address.

The workshop covered the ground a beginner needs: document structure, text formatting, the inclusion of mathematical equations and the management of bibliographies. Participants also worked through collaborative writing and version control — the part of the tool that matters most once a document has more than one author.

The approach was hands-on throughout, and participants left able to apply LaTeX to their own reports and papers. The session was coordinated by **Ms. Aparna Raj C T**, Assistant Professor and NDLI Club Department Coordinator.



The session poster for Introduction to LaTeX.

KTU Result Analysis — S3, 2020–2024 batch

Of **fifty-four students** who sat the S3 examinations, **twenty-five passed** — a pass percentage of **46.30** — with **twenty** clearing every subject. The top SGPA was **8.95**, and four students closed the semester above 8.

Subject by subject, the semester held up well outside one paper: Professional Ethics returned **92.59 per cent**, Sustainable Engineering **88.89 per cent**, and the Object-Oriented Programming laboratory **87.04 per cent**. Discrete Mathematics and Logic System Design both returned 83.33 per cent.

Data Structures and Algorithms was the exception, at 57.41 per cent, and the tutors attributed it to a demanding question paper, an unfamiliar examination pattern and strict valuation.

The department's response was set out with the analysis: remedial classes for the analytical papers, a class test at the end of every module, and systematic practice on previous university question papers.

Across S1 to S3, **twenty-four of the fifty-four** students have cleared every subject, and the highest cumulative score in the batch stands at a **CGPA of 9.76**.

NEWSLETTER

ACADEMIC YEAR 2022 – 2023

RESOURCE PERSON

Dr. Seenia Francis — Associate Professor, Department of AI & DS. Introduction to LaTeX, under the NDLI Club.

COORDINATORS

Ms. Aparna Raj C T — Assistant Professor; Department Coordinator, NDLI Club.

Mr. Bineesh M and **Ms. Divya Konikkara** — class tutors, S3 of the 2020–2024 batch.

Ms. Priya Jose and **Ms. Parvathy Jyothi** — class tutors, S2 of the 2021–2025 batch, with senior faculty advisor **Dr. Aswathy S U**.

S3 RESULTS IN BRIEF

Students appeared · **54**

Students passed · **25**

Pass percentage · **46.30**

Top SGPA · **8.95**

Cleared all subjects · **20**

ACADEMIC RESULTS & CLASS TOPPERS

KTU Result Analysis — S2, 2021–2025 batch

Of **fifty-two students, thirty-three passed** the S2 examinations — **63.46 per cent** — with a top SGPA of **8.74** and seven students between 8 and 9. Two laboratory courses returned a **hundred per cent** pass, and Engineering Graphics and Engineering Mechanics both closed at 92 per cent.

In the comparison across neighbouring institutions, Jyothi Engineering College came **first**:

College	Pass %
Jyothi Engineering College	63.46
St. Joseph's College of Engineering and Technology, Palai	50.00
Vimal Jyothi Engineering College, Kannur	43.64
MES College of Engineering, Kuttippuram	30.00

Across S1 and S2, **twenty-eight students** have cleared every subject, one holds a CGPA above 9 and eight sit between 8 and 9, with a top cumulative score of **9.05**.

The analysis was presented on **22 February 2023** by the class tutors, with Dr. Aswathy S U as senior faculty advisor.

Class toppers — S3, 2020–2024 batch

#	Name	SGPA
I	Chandhini T S	8.95
II	Ardra M A	8.55
III	Aswathi Krishna P T	8.27

Class toppers — S2, 2021–2025 batch

#	Name	SGPA
I	John Davis	8.74
II	Jeslin Leela Mathew	8.67
III	Aparnna Joseph	8.52

Semester by semester — 2020–2024 batch

Semester	Appeared	Passed	Pass %
S1	54	32	59.25
S2	54	24	44.44
S3	54	25	46.30

EDITORIAL BOARD

Staff Editor: Ms. Divya Konikkara, Assistant Professor

Student Editor: Athvik S

Department of Artificial Intelligence and Data Science

NEWSLETTER

ACADEMIC YEAR 2022 – 2023

CLASS TOPPERS

S3 — 2020–2024 batch

Chandhini T S · SGPA 8.95

Ardra M A · SGPA 8.55

Aswathi Krishna P T · SGPA 8.27

S2 — 2021–2025 batch

John Davis · SGPA 8.74

Jeslin Leela Mathew · SGPA 8.67

Aparnna Joseph · SGPA 8.52

LOOKING AHEAD

Remedial classes for the analytical papers, a class test at the close of every module and structured practice on previous university papers are the measures the department has set itself for the semesters to come.

CONTACT

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