



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

NEWSLETTER - 2025



RAIDA

ROHINI ARTIFICIAL INTELLIGENCE AND DATA SCIENCE ASSOCIATION

ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY
PALKULAM



ABOUT US:

We have a freshly instituted interdisciplinary subject Artificial Intelligence and Data Science, an Engineering Programme with an intake of 60 students in the B.Tech AI & Data Science program. This program has roots in computer science, electrical, electronics, and communication engineering, mathematics, and linguistics. Engineering in Artificial Intelligence and Data Sciences is a four years undergraduate course that deals with core technologies like Machine learning, Artificial Intelligence, Fundamental concepts of IoT, Natural Language Processing, Data warehouse, Data mining, Scripting language, Product development, and Mathematical modeling. The department accommodates outcome-based education which helps the students to learn, develop, Hone technical and soft skills like database management, coding language basics, analytical tools, communication skills, data intuition, and strong business acumen in order to serve society. The department has experienced and dedicated faculty with a wide range of specifications like Artificial intelligence with Machine Learning, network security, cloud computing, Networking Methodologies, the Internet of things, big data, and image processing.

The faculty members have published more than 40 papers in National/International journals/Conferences and had written 2 books during the last 3 years and received many awards. Apart from the regular curriculum, the students were provided with a lot of opportunities to work on projects and skill development to serve the growing needs of the country in the field of

computing. The department offers value-added knowledge to the graduates. The department conducts international conferences and national-level technical symposiums every year for students and organizes faculty development programs, guest lectures, seminars, workshops, and industrial visits at regular intervals. The department has well-established laboratory facilities to conduct research work on different specialized areas of Artificial Intelligence and Data Science.

Jobs are becoming more and more available as the demand for data science and artificial intelligence rises quickly. Business-like telecommunication, e-commerce, healthcare, climatology, social networking companies, biotechnology, genetics, research and development, IT industry, IT-enabled service industries, banking, government agencies, insurance, aerospace, etc. are just a few of the career opportunities scopes available after pursuing a B.Tech in AI.

Finally, it can be claimed that B.Tech AI and DS graduates will have a very promising future.

VISION:

To be a Centre of Excellence in the field of Artificial Intelligence and Data Science focusing on education and research in rural regime and Produce globally competent, ethical, Computing professionals with social responsibilities.

MISSION:

- To produce skilled professionals in Artificial Intelligence and Data Science by imparting the state of the art technologies and bringing innovations in Teaching-Learning process.
- To promote research and creativity in the field of Artificial Intelligence and Data Science.
- To inculcate the students' leadership quality through employability skills with ethical values.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- Excel in professional career with technical skills to build intelligent systems and applications in the area of Artificial Intelligence and Data Science to identify new opportunities .
- Equip themselves to adapt with new technologies for developing solutions to real world problems individually or as a team with ethical and social responsibilities for the upliftment of society.
- Embrace lifelong learning to produce wider opportunities in research and product development in future.

PROGRAMME OUTCOMES (POs)

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

- Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOMES (PSO)

- Apply analytical knowledge to develop intelligent systems by extracting knowledge from data to formulate design and solve real time problems.
- Apply data science techniques and project development skills to provide solutions for complex problems .
- Employ artificial intelligence & data science techniques for developing innovative solution to any applications addressing the computing needs of the society.

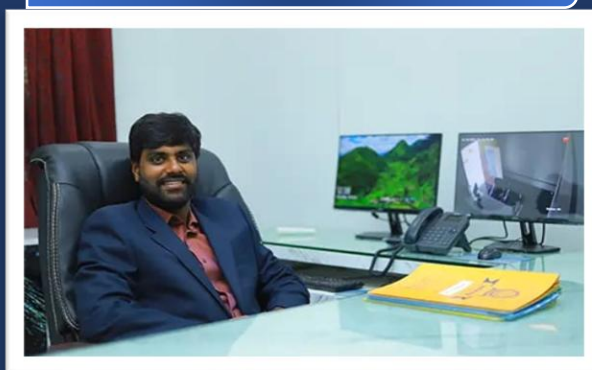
Chairman's Message



"The great growing engine of change - Technology" As a Chairman of Rohini College of Engineering and Technology, I immensely feel proud that our students and faculty of AI & DS have come out with the newsletter. Our college possesses all the qualities of an ideal college. We have excellent course curriculum and faculty members. Our lecturers hold a respectable place in the societies is my firm belief that education is the best way to enlighten young minds and it can only be imparted in a good environment having prosperous thinking.

-Shri.K.Neela Marthandan, Founder Chairman

Pro Chairman's Message



As a Pro Chairman of Rohini College of Engineering and Technology, I feel proud that our students and faculty of AI & DS are releasing a newsletter. I can proudly say that our college is the most modern and sophisticated multidisciplinary institution, imparting quality education and providing a wide and varied arena for the staff and students to show ease their academic and extracurricular talents. I would take this opportunity to urge you all to focus on all round development. You should always have your education laced with morality and ethics. You should all remember that, "Honesty is the first chapter in the book of wisdom," and we should inculcate honesty and integrity in all what we do.

"Education is for improving the lives of others and for leaving your community and world better than you found it"

-Dr. N. Neela Vishnu, MBA, D.I.Litt., Pro Chairman

Managing Director's Message



As the Managing Director of Rohini College of Engineering and Technology, I extremely feel proud that my students of AI & DS have created a newsletter. Our aim is to assist the students in building their skills and becoming proficient. Our institution acts as a bridge between the student's interest and his/her career path. A student can deduce numerous aspects about the industry and therefore, gets ready for the anticipated career challenges. RCET helps to build the technical as well as artistic skills and also in developing one's critical thinking. "Keep your mind open and be ready for anything that college life throws at you. I have my faith in you, you will ace the time. Congratulations and good luck in college!"

- Dr. V.M. Blessy Geo., MSc., Ph.D., Managing Director

Principal's Message



"Come to learn and go to serve. As a Principal of Rohini College of Engineering and Technology, I feel very much excited and proud that my students of Computer Science have prepared a newsletter. RCET facilitates to pave the way for the development of both mental and physical health of students. All the teachers are qualified and experienced. They teach us with great care and love. I wish you the best of luck as you head off to college. Changing the world starts here, so make it count. Good luck with your studies!

- Dr. R. Rajesh., ME., Ph.D., Principal

HOD's Message



The Newsletter is presenting a glimpse of the growth of the institution on many fronts. Our students and faculties have performed exceedingly well and competent enough in all the fields. Beyond academics, the research activities are being conducted. We give students the advantage to lead themselves in any direction they want to proceed in life. Our aim is to create opportunity to the students to become more independent and to take on new responsibilities. "The first stair to failure is ignorance. Keep learning by leaning on the lap of information and you'll take the lead!"

-Dr.T.Sudarson Rama Perumal, HOD

Chief Editors's Message



The crucial ingredient for success is perfection. I am overjoyed to have contributed to this newsletter and I commend the team responsible for its creation. No lesson or objective is insurmountable if one starts with determination and perseverance. All that is required is taking the first step. May you make up for any missed opportunities in the previous year and stride confidently into the future. With heartfelt wishes, I hope you achieve greatness.

~Mrs.A.Haseena Beevi.

I'm happy to present this edition of our department newsletter. It highlights the efforts, creativity, and achievements of our students and faculty. My heartfelt thanks to everyone who contributed and supported this wonderful journey.

~ S.Jenisha Malar,
Department of AI & DS, RCET.



Editors's Message

DEPARTMENT ACTIVITIES

AI CLUB

The Artificial Intelligence Club hosted a successful guest lecture on 26th July 2025 at KC 009 featuring Mr. A. Selva Ganesh, Data Analyst at AB Technologies, Nagercoil.

He shared real-world insights into data analytics, tools, industry applications, and career tips. The session was highly interactive and well-received by students.



THE ARTIFICIAL INTELLIGENCE CLUB SUCCESSFULLY ORGANIZED A HANDS-ON TRAINING IN AI TOOLS FOR CREATIVE APPLICATIONS ON 30TH AUGUST 2025. THE SESSION, HELD AT KC BLOCK LAB 3 FROM 9:30 AM TO 1:30 PM, WAS LED BY MR. MOHAMED YOOSUF, PROJECT ADVISOR AT MATT ENGINEERING SOLUTIONS. PARTICIPANTS GAINED PRACTICAL INSIGHTS INTO THE USE OF AI TOOLS IN INNOVATIVE AND CREATIVE DOMAINS.



AI CLUB



AI CLUB

The Artificial Intelligence Club organized a **Hands-On Training on Generative AI and Large Language Models (LLMs)** on 30th August 2025 at KC Block Lab 2. The session was led by Mr. A. Azharuddin, Project Manager at Matt Engineering Solutions. Participants explored the capabilities of cutting-edge AI models through practical sessions and real-world applications.

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COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)
Approved by AICTE & Affiliated to Anna University | NBA Accredited for BE (ECE, EEE, MECH) | Accredited by NAAC with A+ Grade
KANYAKUMARI, TAMIL NADU

ARTIFICIAL INTELLIGENCE CLUB
Organizes

HANDS ON TRAINING IN
GENERATIVE AI AND LARGE LANGUAGE MODELS (LLMs)

DATE : 30.08.2025 | TIME : 9.30 AM TO 1.30PM
VENUE : KC BLOCK LAB 2

RESOURCE PERSON
Mr. A. AZHARUDDIN
Project Manager,
Matt Engineering Solutions.

RAIDA

The Department of AI & DS successfully **conducted** the Installation of Office Bearers for “Rohini Artificial Intelligence And Data Science Association – RAIDA” and Inauguration of Club Activities for the academic year 2025–26 on 31st July 2025 at the Opulent Hall.

Mr. Natarajan B, CEO of ALO INFOTECH Pvt. Ltd., Nagercoil, served as the **chief guest**, delivering an inspiring talk on leadership and innovation in the AI industry.

The event was held in the esteemed presence of **Dr. R. Rajesh** (Principal), **Dr. T. Sudarson Rama Perumal** (HOD, AI & DS), & **Prof. A. Haseena Bevi** (Coordinator, AI & DS).

The newly elected club members took charge, marking the start of a vibrant academic year filled with innovation and activities.



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**DEPARTMENT OF
ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

Organizes
spectra 2025
INNOVATING BIGGER & BETTER
(An Intra-College Technical Carnival)
11.09.2025

9.30 am - 11.00 am **Hackathon**
9.30 am - 11.00 am **Poster Presentation**
9.30 am - 11.00 am **Code in the Dark**
9.30 am - 3.00 pm **AI Project Expo**
10.30 am - 1.00 pm **AI Gaming Arena**
2.00 pm - 3.00 pm **AI Short Film / Skit**
2.00 pm - 3.00 pm **AI Meme Fest**
CASH AWARD ₹1000 & 500
CULTURALS @ 3.00 pm

in association with
RAIDA (Rohini Artificial Intelligence & Data Science Research Association)
INSTITUTION'S INNOVATION COUNCIL (IIC) Manavalakurichi

HACKTHON AI FOR GOOD

The Department of AI & DS conducted the Hackathon "AI for Good" on 11.09.2025 from 9.30 AM to 11.00 AM at Opulent Hall. The event was guided by Mrs. A. Haseena Beevi.

Student coordinators: Thiruvell K (II Year), Rishika N.S (II Year), Kamalesh B (III Year), Asuwathi R (III Year)



The Poster Presentation "AI in 2050"

The Poster Presentation "AI in 2050" was held from 9.30 AM to 11.00 AM at KCB Ground Floor under the coordination of Mrs. Anushlin Lean.

Student coordinators: Nanthana C (III Year), Sudar Ramesh K (III Year), Indira Prasad V (II Year), Anjala Devi K (II Year) .



Code-in-the-Dark: AI Edition took place from 9.30 AM to 11.00 AM in Lab 2 under the guidance of Mrs. M. Lourdh Shobana.

Student coordinators: Ramesh N (III Year), Mary Ebisa A (III Year), Aravind S. Kumar (II Year), Gobiha S.R (II Year).



Code-in-the-Dark: AI Edition

AI PROJECT EXPO

THE AI PROJECT EXPO SHOWCASED STUDENT-BUILT AI MODELS ,IOT AND DATA APPLICATIONS FROM 9.30 AM TO 3.00 PM AT KCD GROUND FLOOR GUIDED BY MRS. T. SINDHUJA.

STUDENT COORDINATORS: AKALYA J (III YEAR), ANSLIN BRIJITH A.R (III YEAR), GAYATHRI D (II YEAR), PAGOLU SAI REVANTH (II YEAR).



A Data Visualization Masterclass for second-year students was conducted from 11.00 AM to 1.00 PM in Lab 1. Resource person : Mr. Mohammed Shaheer, Managing Director, Matt Engineering Solution , Nagercoil. He shared real-world insights into **Data Visualization**, tools, industry applications, and career tips. The session was highly interactive and well-received by students.

Faculty in-charge: Mr. B. Sivakumar. Student coordinators: Mohamed Shahidh S (II Year), Asmitha K (II Year).



Workshop

Workshop

The Generative AI Workshop on Text-to-Image (Stable Diffusion) and Text-to-Text (LLMs) for third-year students was conducted from 11.00 AM to 1.00 PM in Lab 2 .

Resource Person : Ms. Babisha R & Mr. Mithun K , Software Developer & Trainer NIM Technologies, Nagercoil. They shared real-world insights into **Generative AI** , tools, industry applications, and career tips. The session was highly interactive and well-received by students.

Faculty Incharge: Mr. S. R. Arun , Student coordinators: Jenisha Malar S (III Year), Vijay J (III Year).



AI Gaming Arena

The AI Gaming Arena was held from 11.15 AM to 1.00 PM at KCB Ground Floor under Mrs. S. Devi.

Student coordinators: Nijo Jain Rajis M (III Year), Agnal Sancy (III Year), Athokpam Yaraba (II Year), Amisha Jefrin S (II Year).



AI Short Film

The AI Short Film/Skit competition was conducted from 2.00 PM to 3.00 PM in Lab 2 under the coordination of Mrs. Anushlin Leena.

Student coordinators: Merutlin Darsath M (III Year), Desika A (III Year), Prajin J.V (II Year), Arya R.P (II Year).

AI Meme Fest

The AI Meme Fest – Create and Present the Funniest AI-related Memes – was held from 2.00 PM to 3.00 PM in Lab 1 under the guidance of Mr. S. R. Arun.

Student coordinators: Akishiya A (III Year), Bhuvanesh L (III Year), Mohammed Bouvash (II Year), Ramya (II Year).

Culturals

Cultural Events of SPECTRA-2025 were conducted at 3.00 PM in SPECTRA Kalai Arangam under Mrs. A. Haseena Beevi. Student coordinator: Santhiya S (III Year), Mohammed Nabeel N (III Year), Kairose Benny (II Year), John Mano J (II Year).





We joyfully celebrated **Onam** on **30th August 2025 at 3:30 PM** with great enthusiasm and festive spirit. A vibrant **Pookalam** was created, adding beauty and tradition to the event.

Thank you to everyone who participated and made the celebration memorable. It was a wonderful gathering filled with culture, colors, and community spirit.



Pongal Celebration – January 2025

The **B.Tech AIDS Department** celebrated **Pongal** in January 2025 with traditional events and cultural activities. Students and staff enjoyed the festive spirit together, making it a joyful and memorable day.

Industrial Visit 2025



Industrial Visit to Kaynes Technology – Mysore

B.Tech AIDS students visited **Kaynes Technology, Mysore** on **24-09-2025**. It was a valuable and informative experience and inspiring experience for all.



Industrial Visit to Techolas Technology, Kochi

Date: 19th September 2025 (Friday)

The 2nd year B.Tech AIDS students visited **Techolas Technology, Kochi** for an industrial visit. They learned about real-world applications of AI and software development through interactive sessions. It was an informative and inspiring experience for all.

INTERNSHIP



Students from B.Tech AI & DS have successfully completed their **App Development internship** at **Spectrum Software Solutions, Kochi.**

This hands-on experience provided valuable industry exposure, enhanced technical skills, and real-time project development knowledge.



Students from B.Tech AI & DS have successfully completed their **AI & ML internship** at **Srishti Innovative, Technopark, Thiruvananthapuram.**

The internship gave them valuable hands-on experience in Artificial Intelligence and Machine Learning.



Students from B.Tech AI & DS have successfully completed their internship at **Small Industries Corporation, Ekkaduthangal, Guindy, Chennai.**

The internship covered **Full Stack Development, Data Analytics, and Web Development**, giving students valuable hands-on experience.



B.Tech AI & DS student have successfully completed their **Machine Learning internship** at **DLK Software Solution, Chennai.**

This internship gave them hands-on experience and practical knowledge in ML.



B.Tech AI & DS student have successfully completed their **Machine Learning internship** at **Unified mentor Pvt Ltd.**

This internship gave them hands-on experience and practical knowledge in ML.



Students from B.Tech AI & DS have successfully completed their **Data Analytics internship** at **Entudio Pvt Ltd, Tirunelveli.**

This internship gave them hands-on experience and practical knowledge in Data Analytics.



Students from B.Tech AI & DS have successfully completed their Generative AI internship at Spread Tech Solutions.

This internship gave them hands-on experience and practical knowledge in Generative AI.



Student from B.Tech AI & DS have successfully completed their Data Science internship at Ekadd, Nagercoil.

This internship gave them hands-on experience and practical knowledge in Data Science.



Students from B.Tech AI & DS have successfully completed their AI & Frontend Development internship at Emglitz Technologies, Coimbatore.

This internship gave them hands-on experience and practical knowledge in Data Analytics.



Students from B.Tech AI & DS have successfully completed their Introduction to Data Science internship at Genzee Technologies, Thiruvananthapuram.

This internship gave them hands-on experience and practical knowledge in Data Science.

STUDENT ACHIEVEMENTS

S. Jenisha Malar and D. J. Indhu Usha, students of 3rd year B.Tech AI & DS, won the 1st prize of ₹1000 in the Hackathon at Spectra 2025.



Mohamed Bouvash S, Revanth, Ginoji Kumar, students of 2nd year B.Tech AI & DS, won the 2nd prize of ₹500 in the Project Expo at Spectra 2025.



Agnel Sancy and Jenifer . J, students of 3rd year B.Tech AI & DS, won the 1st prize in the Poster Presentation at Spectra 2025.



Mohamed Shahidh S, Pagolu Sai Revanth, Mohamed Bouvash S, Thiruvell K, students of 2nd year B.Tech AI & DS, won the 2nd prize of ₹500 in the Hackathon at Spectra 2025.



Yaraba, student of 2nd year B.Tech AI & DS, won the 1st prize of ₹1000 in the AI Gaming Arena at Spectra 2025.



Amisha Jefrin and Sudiksha, students of 2nd year B.Tech AI & DS, won the 2nd prize in the Poster Presentation at Spectra 2025.



Mohammed Nabeel . N and Kamallesh. S students of 3rd year B.Tech AI & DS, won the 1st prize of ₹1000 in the Project Expo at Spectra 2025.



Pagolu Sai Revanth, Mohamed Bouvash S, Thiruvell K, students of 2nd year B.Tech AI & DS, won the 2nd prize of ₹500 in the AI Gaming Arena at Spectra 2025.



Anslin Brigith, student of 3rd year B.Tech AI & DS, won the 1st prize in the Code in the dark at Spectra 2025.



Pavithra , student of 2nd year B.Tech AI & DS, won the 2nd prize in the Code in the dark at Spectra 2025.



Jenifer J, student of 3rd year B.Tech AI & DS, won the 2nd prize in AI Shortfilm at Spectra 2025.



Mohamed Nabeel.N & Kamalesh.S , Students from Department of Artificial Intelligence and Data Science won 1st prize in Paper presentation at Pet college symposium



Pagolu Sai Revanth and Mohamed Bouvash S, students of 2nd year B.Tech AI & DS, won the 1st prize in the Meme Creation at Spectra 2025.



Mohamed Nabeel.N and Kamalesh.S , Students from Department of Artificial Intelligence and Data Science won 1st prize in Paper presentation at Amrita college symposium.



Mohamed Nabeel.N,Kamalesh.S and Vijay. J , Students from Department of Artificial Intelligence and Data Science won 2nd prize in Project Expo at Stella Mary's college symposium. Mary's college symposium.



Mohammed Nabeel . N and Kamalesh. S students of 3rd year B.Tech AI & DS, won the 2nd prize in Meme Creation at Spectra 2025.



Mohamed Nabeel.N & Kamalesh.S , Students from Department of Artificial Intelligence and Data Science won 1st prize in Connections at Annai Velankanni college symposium.

Mohamed Nabeel.N & Kamalesh.S , Students from Department of Artificial Intelligence and Data Science won 2nd prize in Paper presentation at Stella Mary's college symposium.

Ashika G.R and Aswini S, students of 3rd year B.Tech AI & DS, won the 1st prize in AI Shortfilm at Spectra 2025.



Jenifer.J & Akalya.J, students of 3rd year B.Tech AI & DS won 3rd prize in Face Painting at Ayyappa College - Kolusukalin Kondattam 2025.

Jenifer.J & Akalya.J, students of 3rd year B.Tech AI & DS won 2nd prize in Face Painting at St Xavier's Calida Feast.

Jenifer.J & Agnal Sancy, students of 3rd year B.Tech AI & DS won 1st prize in Face Painting at Malankara College - Inter College Cultural.



S.Jenisha Malar, S. Evangelin Staicy, D. J. Indhu Usha, Y. Ebina, L.S. Ransom Leonze, students of B.Tech AI & DS won ₹10,00,000 from MSME for their Project.



S.Bala Akshi , student of 3rd year B.Tech AI & DS won 3rd prize in Project Expo at Stella Mary's college.

Course completion:

1. **Gayathri** , student of 2nd year B.Tech AI & DS completed **HDCA** course.

2. **S. Jenisha Malar, S. Evangelin Staicy, L. S. Ransom Leonze, Y. Ebina, Ashmin, S.J. Sureka** , students of 3rd year B.Tech AI & DS Completed **Udemy** course on “ **Java Basic For Begginers**” & **R. Ajitha** , student of of 3rd year B.Tech AI & DS Completed **Udemy** course on “**Python Basic Course**”.

3. Students of B.Tech AI & DS students completed **MongoDB** course.

4. **S. Jenisha Malar**, student of 3rd year B.Tech AI & DS Completed **SimpleLearn** course on “**PostgreSQL, Learn Apache Maven, Web Development for Begginers**” **S. Evangelin Staicy** , student of 3rd year B.Tech AI & DS Completed **SimpleLearn** course on “ **Learn Apache Maven, Web Development for Begginers**”.

5. **S. Jenisha Malar**, student of 3rd year B.Tech AI & DS Completed **Upgrad** course on “ **Basic Python Programming**”.

6. **S. Jenisha Malar, S. Evangelin Staicy**, students of 3rd year B.Tech AI & DS Completed **Infosys Springboard** course on “**Progammig Using Java**”.



7. **S. Jenisha Malar**, student of 3rd year B.Tech AI & DS Completed NPTEL course on “**Cloud Computing**”.



8. **Nijo Jain Rajis**, student of 3rd year B.Tech AI & DS Completed LearnTube Course on “**Data Analytics Assessment & Cybersecurity Assessment**”.

