



NEWSLETTER

OCT 2025

ISSUE 22



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE









IMAGINE, INNOVATE, IGNITE WITH AI

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9. Internships
10. Skill Rack Toppers
11. Staff Achievements
12. Patent Publications
13. EduTech Pioneers



DEPARTMENT HIGHLIGHTS

 QUALIFIED FACULTY	 STUDENT ACHIEVEMENTS	 MOUs & INDUSTRY TIE-UPS	 INTERNSHIPS & PLACEMENTS	 RESEARCH & PUBLICATIONS	 ADVANCED LABORATORIES
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

VISION

To emerge as a Centre of Excellence in the field of Artificial Intelligence and to accomplish eminence to have global recognition through education, innovation and collaborative research in the realm of Data Science

MISSION

1. To impart quality value-based technical education in cutting edge Artificial intelligence technologies that bridge the gap between academia and industry
2. To promote research, innovation and entrepreneurial skills with the latest technologies to be globally competitive professionals
3. To equip aspiring students with the skills to perform intelligent data analysis which in turn provide dynamic and lucrative careers in the field of technology
4. To develop technocrats with strong core capabilities in Artificial intelligence by providing good infrastructure, resources, effective teaching learning process and competency with state-of-the-art technologies

 PROJECT-BASED LEARNING	 VALUE-ADDED PROGRAMS	 PROFESSIONAL STUDENT CHAPTERS
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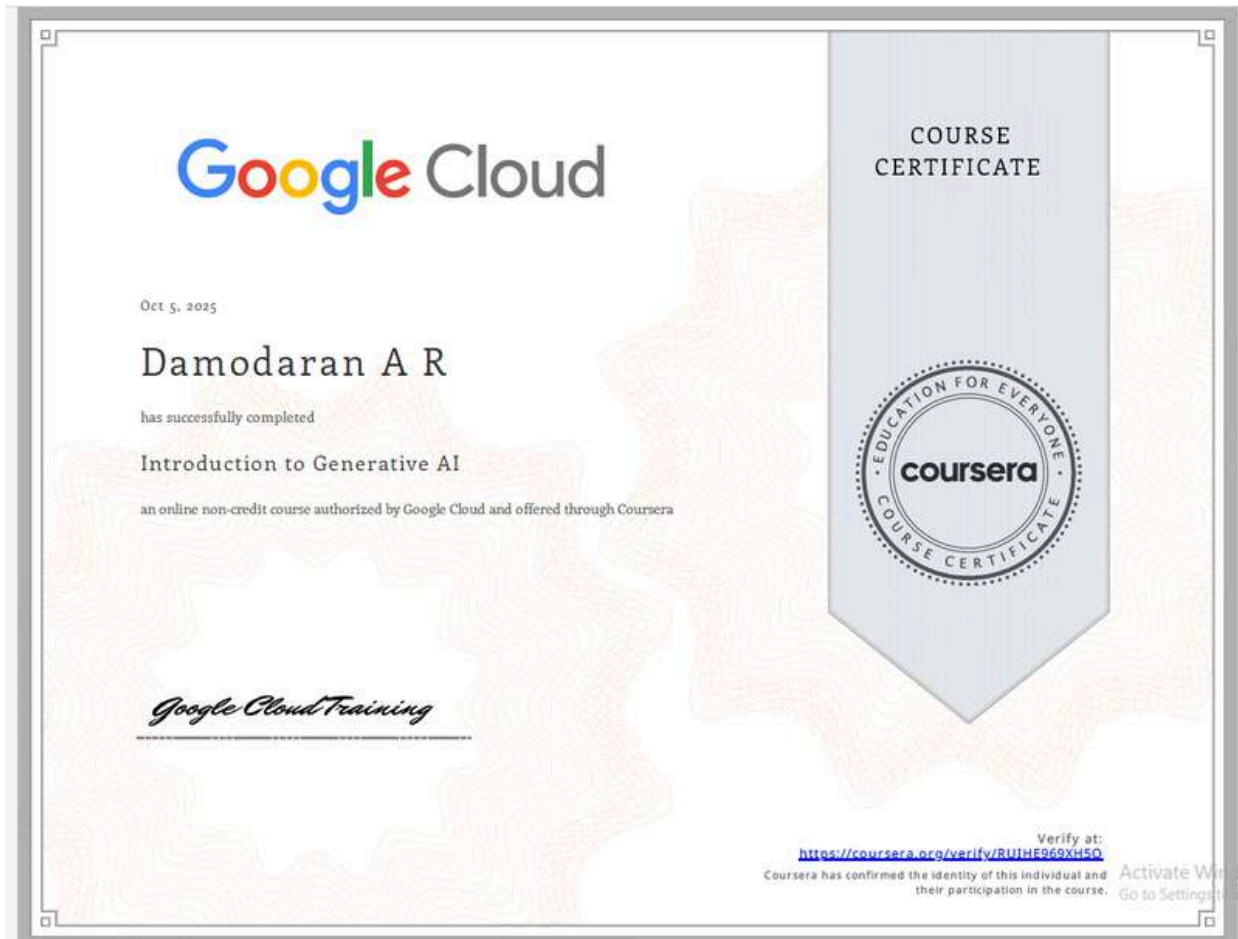
STUDENT ACHIEVEMENTS



Pardhavika Gopisetty of III Year ADS Student participated in the **Viksit Bharat Quiz 2026** and attended the **course/seminar** titled **"Unleash Your Voices – Technology."** The session aimed to inspire students to explore innovative technological solutions contributing to the vision of a developed India. Her active participation reflected her enthusiasm for learning, critical thinking and engagement with national initiatives promoting technology-driven growth and innovation.



STUDENT ACHIEVEMENTS



Damodaran A R of Final year ADS student has successfully completed the **“Introduction to Generative AI”** course offered through Coursera and received the **Google Cloud Certification**. This achievement highlights his understanding of the **fundamental concepts and applications of generative artificial intelligence**, showcasing his initiative in exploring emerging AI technologies.



STUDENT ACHIEVEMENTS



PROGRAM COMPLETION CERTIFICATE

The certificate is awarded to

Arun M

for successfully completing the program

Blockchain

on October 7, 2025



Issued on: Tuesday, October 7, 2025
To verify, scan the QR code at <https://verify.onvingsaan.com>



Congratulations! You make us proud!

Satheesha B.N.
Satheesha B. Nanjappa
Senior Vice President and Head
Education, Training and Assessment
Infosys Limited

Arun M of III Year ADS successfully completed the **Infosys Program** on **“Blockchain”** with a total duration of 32 hours and 51 minutes. The course provided **in-depth knowledge of blockchain technology**, including its **architecture, smart contracts, and decentralized applications**. Through this program, he gained practical insights into secure digital transaction systems and distributed ledger technologies. The **Infosys Program Completion Certificate** stands as a recognition of his dedication to upskilling in emerging technologies and his commitment to continuous learning in the field of Blockchain.

STUDENT ACHIEVEMENTS








ZYRA ACADEMY

Presents a Webinar on

ML Unplugged: Learn How Machines Learn



MANICKAVEL PALANI
ST. JOSEPH'S INSTITUTE OF TECHNOLOGY, AIDS

7:00 PM -
8:00 PM IST

Friday,
24 October 2025

Scan To Register



₹9 Only

Participants will receive
e-certificates!

[team.zyra](#)

[Zyra Academy](#)

What is Unsupervised Learning?

- A type of machine learning where there are no labeled outputs
- Algorithms learn the patterns in the data and group similar data items

RL Training Loop

- Goal is to find a policy that will yield a lot of rewards for the agent.
- Optimal policy is learned through training by using algorithms like Q learning or Deep Q Learning.

```

graph TD
    Agent[Agent] --> Environment[Environment]
    Environment --> Action[Action G_t]
    Environment --> Reward[Reward R_{t+1}]
    Reward --> Agent
  
```

On 24th October 2025 (Friday), from 7:00 PM to 8:00 PM IST, an **online webinar** titled **"ML Unplugged – Learn How Machines Learn"** was **conducted** for **Zyra Academy**. The session was presented by **Manickavel Palani**, a **II Year ADS student**. During the session, he provided **insightful explanations on the fundamental concepts of Machine Learning**, helping participants understand how machines learn and adapt through data-driven techniques.



STUDENT PUBLICATION



On **10th October 2025**, students of **II Year ADS** participated in the **National Technical Symposium – TECHNOVANZA'25**, organized by **Jerusalem College of Engineering**. **A. S. Sadana and R. Sandhiya** secured the **First Place** in the **Paper Presentation event** for their outstanding research on **"Heart Disease Prediction and Detection."** Their innovative approach and technical presentation were highly appreciated by the judges. The **team was awarded a cash prize of ₹2000/-**, recognizing their excellence and contribution to the field of healthcare-based artificial intelligence.



STUDENT PUBLICATION



On **23rd October 2025**, **II Year ADS students** participated in the **Industry–Institution Summit Nexus 7.0: AI for Future Technology**, organized by **Eswari Engineering College** in association with **The Institution of Engineering and Technology (IET)**. **Subasree S** from **II Year ADS** secured the **First Place in the Paper Presentation** event for her innovative work titled **“AI-powered MRI Slice Selection for Brain Tumor Detection.”** Her research demonstrated the effective use of artificial intelligence in enhancing medical imaging accuracy. In recognition of her outstanding performance and contribution, **she was awarded a cash prize of ₹5000/-**.



STUDENT PUBLICATION



Kishore A Final year ADS student successfully presented a research paper titled **"Suspicious Behavior and Object Detection at Traffic Signals Using YOLOv8"** at the **International Conference on Advancing Technology in Engineering and Science (ICATES-2025)**, organized by **Xavier Institute of Engineering** in association with **The Institution of Engineering and Technology (IET)**, Mumbai Local Network, on 4th and 5th October 2025.



CAREER GUIDANCE

Department of Artificial Intelligence and Data Science


Career Guidance Senior insights

Transformer United: Exploring Attention Mechanisms and Modern AI Architectures


Topics Covered : Attention mechanism, Transformer, SOTA architecture and polysematicity

30 Limited Seats Only

For II and III Year Students



Krithik Srinivas
Placed at
Software Developer
Nodlehs AI 256 Pvt Ltd
Batch[2022-26]



Raghul C
Placed at
Deep Learning Researcher
PHOSPHERE AI
Batch[2022-26]

Date : 10/10/2025
Time : 10:00 AM to 3:00 PM
Venue : ADS LAB 1



On **10th October 2025**, a **"Career Guidance Senior Insights"** was organized for the **II and III year ADS students**. The session focused on advanced topics such as **Attention Mechanism, Transformer Architectures, State-of-the-Art (SOTA) Models** and the intriguing concept of **Polysematicity in AI systems**. The speakers were Final Year Student **Krithik Srinivas**, a **Software Developer** placed at **Nodlehs AI 256 Pvt. Ltd** and **Raghul C**, a **Deep Learning Researcher** placed at **Phosphene AI**. Both shared their valuable experiences, technical knowledge and career insights, guiding students on current AI trends, research directions and the skills required to excel in the rapidly evolving field of Artificial Intelligence.

ROADMAP TO INTERNSHIP



Department of Artificial Intelligence and Data Science

Roadmap to Internship

Powering Immersive Worlds – A Workshop on Unreal Engine 5

30 Limited Seats Only

For II and III Year Students

Jebin Brightson S
Intern as Senior Game Developer
Intern at Topia Farming and Gaming Pvt. Ltd.
Batch[2022-26]

Date : 10/10/2025
Time : 10:00 AM to 3:00 PM
Venue : ADS LAB 2



On **10th October 2025**, a workshop titled **“Roadmap to Internship”** was conducted for the **II and III year ADS students**. The session focused on **Unreal Engine 5**, providing students with practical insights into modern game development tools and workflows. The **workshop was led by Jebin Brightson S Final Year student**, who is currently interning as a **Senior Game Developer at Topia Farming and Gaming Pvt. Ltd.** He shared his internship journey, **discussed the fundamentals of Unreal Engine 5**, and **guided students on how to build a strong portfolio to secure internships in the gaming industry**. The session proved to be highly informative and inspiring for students aspiring to pursue careers in game design and development.

TAMILNADU STARTUP GLOBAL SUMMIT 2025, COIMBATORE



Department of Artificial Intelligence and Data Science

Tamilnadu Startup Global Summit, 2025 Coimbatore



Startup Name : Astrixio
Domain : Deeptech & Pitch Deck



StartupTN
GLOBAL STARTUP SUMMIT-2025
DISRUPT TO RISE



Marilyn Parhusip
Founder and CEO at Leastric Teknologi Indonesia



Dev Anandhan M
Celestin dass AL



Ajay J
Gokul bharathi P



Blesson Sharon WS
Anantha kumar M

On **9th October 2025**, students from the 2022–2026 batch participated in the **Tamil Nadu Startup Global Summit 2025** held in **Coimbatore**. Their **startup, Astrixio**, represented the institution under the DeepTech domain and **showcased an innovative pitch deck** highlighting cutting-edge technological solutions. The student team comprised **Dev Anandhan M, Ajay J, Blesson Sharon W. S., Celestin Dass A. L., Gokul Bharathi P and Anantha Kumar M**. During the event, they had the valuable opportunity to collaborate with industry experts, **Marilyn Parhusip, Founder and CEO of Leastric Teknologi, Indonesia**, who provided insightful feedback and guidance on entrepreneurship and innovation. The summit served as an excellent platform for the students to gain exposure to the global startup ecosystem and enhance their entrepreneurial mindset.



ACADEMIC AUDIT

Department of Artificial Intelligence and Data Science
Academic Audit



Dr. Arockia Xavier Annie R
Associate Professor, Department of CSE
CEG Campus, Anna University




Dr. B. Jaison
Professor & Head, Department of CSE
RMK Engineering College

On **16th October 2025**, an **Academic Audit** was conducted to evaluate and enhance the academic quality and performance of the department. The audit was carried out by **distinguished experts Dr. Arockia Xavier Annie R, Associate Professor, Department of Computer Science and Engineering, CEG Campus, Anna University** and **Dr. B. Jaison, Professor and Head, Department of Computer Science and Engineering, RMK Engineering College**. The experts reviewed the academic processes, curriculum implementation, teaching methodologies and student outcomes. Their valuable suggestions and feedback provided key insights for continuous improvement and academic excellence within the department.



ALUMNI MENTORSHIP SESSION

Department of Artificial Intelligence and Data Science
Alumni Mentorship Session
 Batch [2021-2025]

Govindraj S
 Associate Data Scientist
 @
 FAI- FARMWISEAI PVT LTD

28/10/2025 7:00 P.M to 8:00 P.M
<https://meet.google.com/oiv-jdru-qvz>



On **28th October 2025**, an **Alumni Mentorship Session** was organized to guide students on career development and industry readiness. The session was led by **Mr. Govindraj S**, an **Associate Data Scientist at FAI – FarmwiseAI Pvt. Ltd** and an alumnus from the **2021–2025 batch**. During the session, he shared his professional journey, insights into data science applications in the agricultural AI sector, and valuable advice on skill development, internships and career planning. His interactive discussion and real-world experiences inspired students to explore emerging opportunities in data-driven technologies and apply their learning effectively in practical scenarios.

PLACEMENT COGNIZANT NPN



Department of Artificial Intelligence and Data Science

Batch 2022-2026

Placed at Cognizant NPN

4 LPA



Yugendran S



Vishnu Pandian



Ethiraj J G



Yakshetha N



Deepan S B



Madhuvarshini



Bharath A I



Ashwin
Karthick S M



S.A. Arvind
Kumar Ponsingh



Aadhityan S



Aarthi M



Kavinmathi V



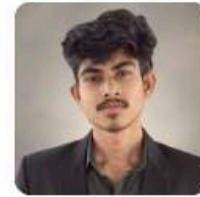
Lingess R



Madhu Sankar S



Ishani M



Gokul K



Gurucharan Raj K



Vethika V



Vishagan V



Rennet Mathew



Sneha R



Arockia Shermila S



Yadav Prasad G



Sugrish VM

PLACEMENT



Vishal P



Shobana S



Vijithaa KJ



Harshini K N



Harish



Aswin C



Abina Sri



Kirthick R



Krithika D H



Arun Pranav RK



Durga P



Hariharan Karthikeyan



Keerthiya T



Mohammed Habib



Sam Daniel



Tarani J



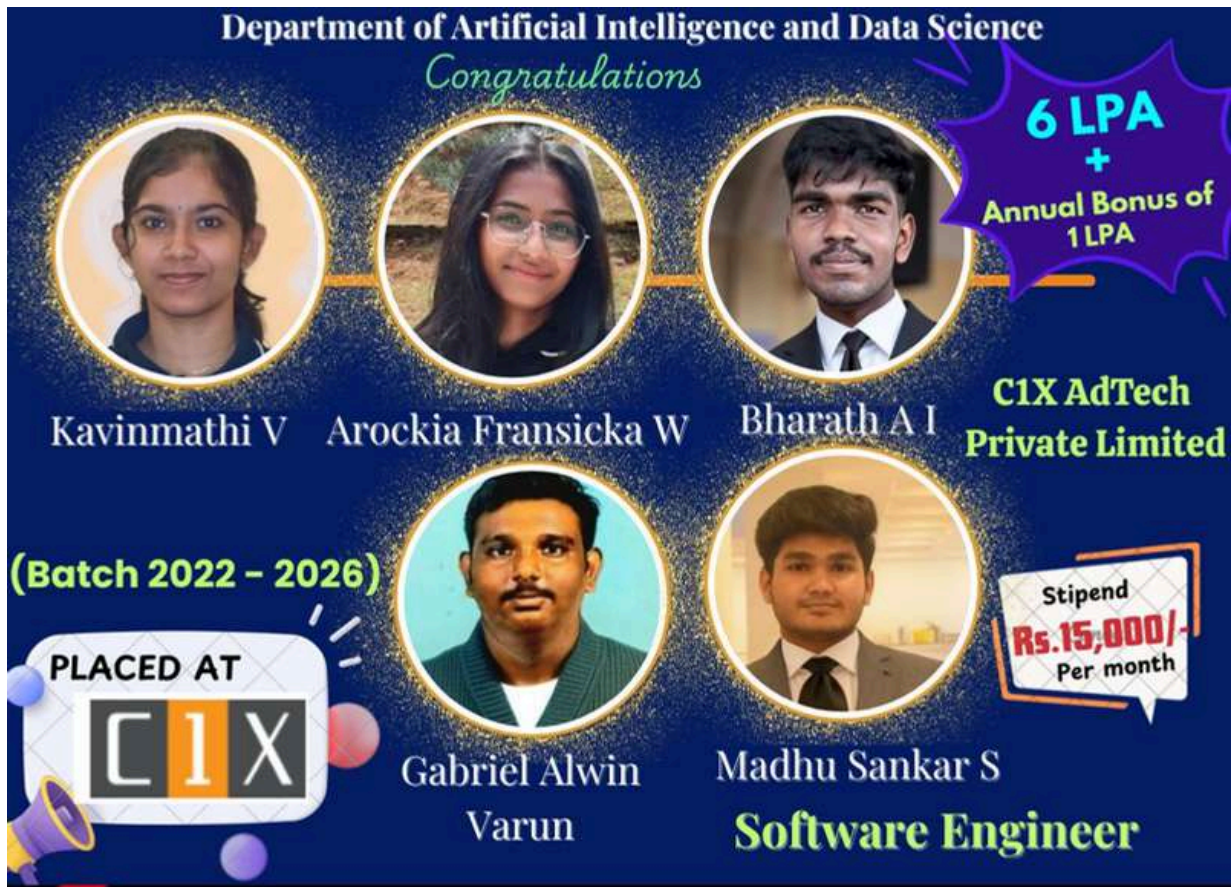
6.75 LPA

Our **40 final year students** from our ADS department secured placements at **Cognizant through the NPN drive**. Among them, **33 students** received offers of **₹4 LPA**, and **7 students** were offered **₹6.5 LPA** for the **role of AI & Analytics Engineer**. This achievement reflects their strong technical skills, problem-solving abilities and industry readiness.



PLACEMENT

Department of Artificial Intelligence and Data Science
Congratulations



Kavinmathi V Arockia Fransicka W Bharath A I

(Batch 2022 - 2026)

PLACED AT
CIX

Gabriel Alwin Varun Madhu Sankar S

6 LPA + Annual Bonus of 1 LPA

C1X AdTech Private Limited

Stipend
Rs.15,000/- Per month

Software Engineer


On **8th October 2025**, students from the **2022-2026 batch** achieved successful placement offers at **C1X AdTech Private Limited for the role of Software Engineer**. The selected students — **Kavinmathi V, Arockia Fransicka W, Bharath A I, Madhu Sankar S and Gabriel Alwin Varun** — secured an impressive **salary package of ₹6 LPA** with an **annual bonus of ₹1 LPA**. They were also offered an **internship stipend of ₹15,000/- per month**. This accomplishment highlights their strong technical proficiency, consistent academic performance and dedication to excellence in software development. The achievement serves as an inspiration for their peers aspiring to excel in the IT and AdTech industries.



PLACEMENT

Department of Artificial Intelligence and Data Science

Congratulations



9 LPA
+
Annual Bonus of 1 LPA

C1X AdTech Private Limited

PLACED AT
C1X

SANTHOSH I
Software Engineer
(Batch 2022 - 2026)

Stipend
Rs.15,000/-
Per month

On **13th October 2025**, **Santhosh I** from the **2022-2026** batch achieved a remarkable placement at **C1X AdTech Private Limited** for the **role of Software Engineer**. He secured an impressive **salary package of ₹9 LPA**, along with an **annual bonus of ₹1 LPA**. He was also offered an **internship stipend of ₹15,000 per month**. This achievement reflects his exceptional **technical expertise, strong problem-solving skills and dedication to continuous learning**. His success serves as an inspiration to fellow students aspiring to excel in the **fields of software engineering and AdTech innovation**.



PLACEMENT

Department of Artificial Intelligence and Data Science

Congratulations

**BNP Paribas
India Solutions
Pvt. Ltd**

7.5 LPA
₹25,000/-
sign-in Bonus
upon joining

PLACED AT
BNP PARIBAS

DEEPAN S B
Software Engineer
(Batch 2022 - 2026)

Stipend
Rs. 50,000/-
Per month

**6 Months
Internship**

On **21st October 2025**, **Deepan S. B** from the **2022-2026 batch** achieved a remarkable placement at **BNP Paribas India Solutions Pvt. Ltd.** for the role of **Software Engineer**. He received an impressive salary package of **₹7.5 LPA**, along with a **sign-in bonus of ₹25,000/-** and an **internship stipend of ₹50,000/-**. This outstanding accomplishment reflects his strong technical expertise, analytical acumen and consistent academic performance. His **placement at a leading global financial institution** underscores the department's dedication to fostering industry-ready professionals equipped to excel in the competitive domains of software engineering and financial technology.



INTERNSHIP

Department of Artificial Intelligence and Data Science

Congratulations



Prakash S
(Batch 2022 - 26)

Altrosyn Technologies Pvt Ltd

Junior Software Engineer

On **9th October 2025**, **Prakash S** from the **2022-2026 batch** secured an **internship opportunity** at **Altrosyn Technologies Pvt. Ltd.** for the **role of Junior Software Engineer**. He was offered an attractive **internship stipend of ₹18,000/- per month**. This opportunity recognizes his strong technical skills, problem-solving ability and enthusiasm for software development. The internship is expected to provide him with valuable industry exposure and practical experience in real-world software engineering projects.



INTERNSHIP

Department of Artificial Intelligence and Data Science
(Batch 2022 - 2026)

Congratulations

Stipend
Rs.8,000/-
Per month

Encipher Health Inc



HARINI T RAMYA K RINISRI R

Role: Data Science Engineer
AI-Powered Risk Adjustment Solutions for Healthcare


INTERN AT
E ENCIPHER HEALTH

On **9th October 2025**, students from the **2022-2026 batch** secured internship offers at **Encipher Health Inc** for the role of **Data Science Engineer**. The selected students **Harini T, Ramya K, and Rinisri R** were offered an **internship stipend of ₹8,000/- per month**. This opportunity marks a significant step in their professional journey, **providing hands-on experience in data analytics, machine learning and healthcare technology**. Their selection reflects their strong analytical skills, domain knowledge and commitment to applying data science techniques to solve real-world healthcare challenges.




INTERNSHIP


Department of Artificial Intelligence and Data Science
Congratulations (Batch 2023 - 2027)



Ajesh K M



Mahathi Sri M R



Jazila Begum B

Stipend
Rs.5,000/-
Per month

Role: Data Science Engineer

Encipher Health Inc
AI-Powered Risk Adjustment
Solutions for Healthcare

INTERN AT
E ENCIPHER
HEALTH

On **13th October 2025**, students from the **2023-2027** batch secured **internship offers at Encipher Health Inc** for the **role of Data Science Engineer**. The selected students **Ajesh K M, Mahathi Sri M R and Jazila Begum B** were offered an **internship stipend of ₹5,000/- per month**. This internship provides them with an **excellent opportunity to gain practical experience in data science and healthcare analytics, enhancing their technical expertise and problem-solving skills**. Their achievement highlights the growing interest and proficiency of young talents in applying data-driven solutions to the healthcare industry.



SkillRack Toppers

2022-2026 Batch

S.No	Name	Programs Solved	Bronze	Skill Rack Rank
1	YADAV PRASAD G B	2403	1213	1258
2	KATHIRAVAN B	2031	1001	2503
3	PRAVEEN S	1924	989	3095
4	BALASUBRAMANIAN M	1494	554	6176
5	LANKESH M	1385	678	10332

2023-2027 Batch

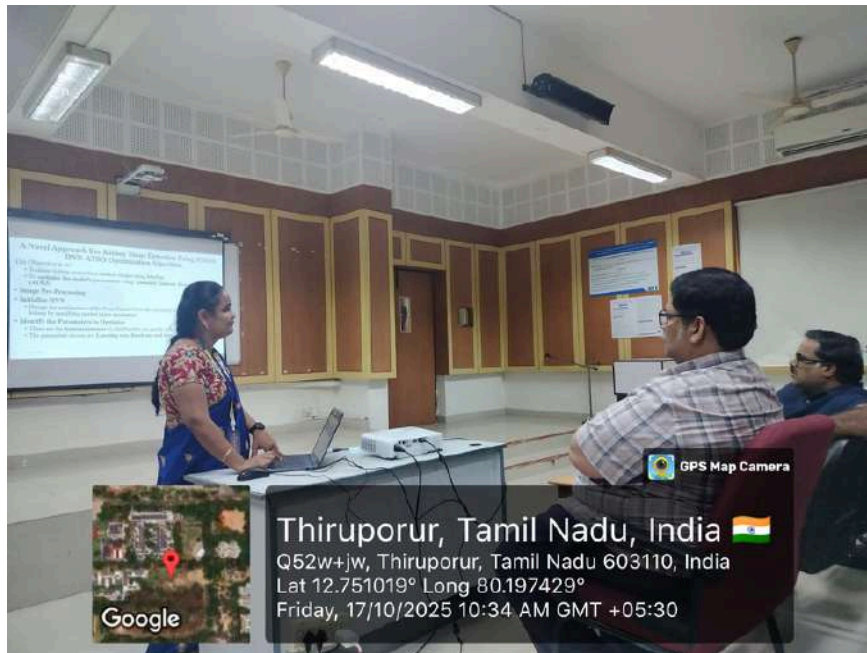
S.No	Name	Programs Solved	Bronze	Skill Rack Rank
1	RISHINI DHARAN T	1923	644	3104
2	MARIA PETER RUFIN M	1766	480	4057
3	ROHITSURYA AKRIAMMAN THANIGAIMALAI	1687	513	4687
4	SABARISH S	1671	438	4832
5	INFANT JOEL E	1637	398	5185

2024-2028 Batch

S.No	Name	Programs Solved	Bronze	SkillRack Rank
1	RAJA VARSHAN R R	2066	661	2351
2	DEEPESH KUMAR S	1938	603	3012
3	VAISHNAVI DEVI SE	1923	631	3073
4	PAVITHRA E	1847	614	3514
5	VIJAYA RAGHAVAN V	1733	646	4307

Our students have consistently **excelled in coding and problem-solving on SkillRack**, securing the top five positions. Their dedication to upskilling has truly paid off. Congratulations to all our achievers for this outstanding accomplishment!

STAFF ACHIEVEMENTS



Mrs. M Revathi has successfully completed her **Viva Voce** at **Anna University** on **17/10/2025** and has been awarded her Doctorate degree. She has meticulously completed her research work, demonstrating dedication and scholarly excellence.

STAFF ACHIEVEMENTS



Dr. M. Revathi Assistant Professor served as a **Reviewer** for the **7th International Conference on Computing, Communication and Automation (ICCCA 2025)**. In recognition of her valuable contribution to the peer-review process and her expertise in evaluating high-quality research papers, she was awarded a **Certificate of Appreciation**. Her involvement in this prestigious international conference highlights her academic excellence, professional commitment and active engagement in advancing research and innovation in the fields of computing and communication technologies.

STAFF ACHIEVEMENTS



S. B. Priya Assistant Professor presented a **research paper** titled **“Image Denoising using Wavelet Transform and Genetic Programming.”** The presentation **focused on advanced image processing techniques** aimed at enhancing image quality by effectively reducing noise while preserving essential details. Her work demonstrated **innovative integration of wavelet-based filtering and genetic programming algorithms**, showcasing a strong understanding of computational intelligence and signal processing methods.

➤➤➤ NEWSLETTER

STAFF ACHIEVEMENTS

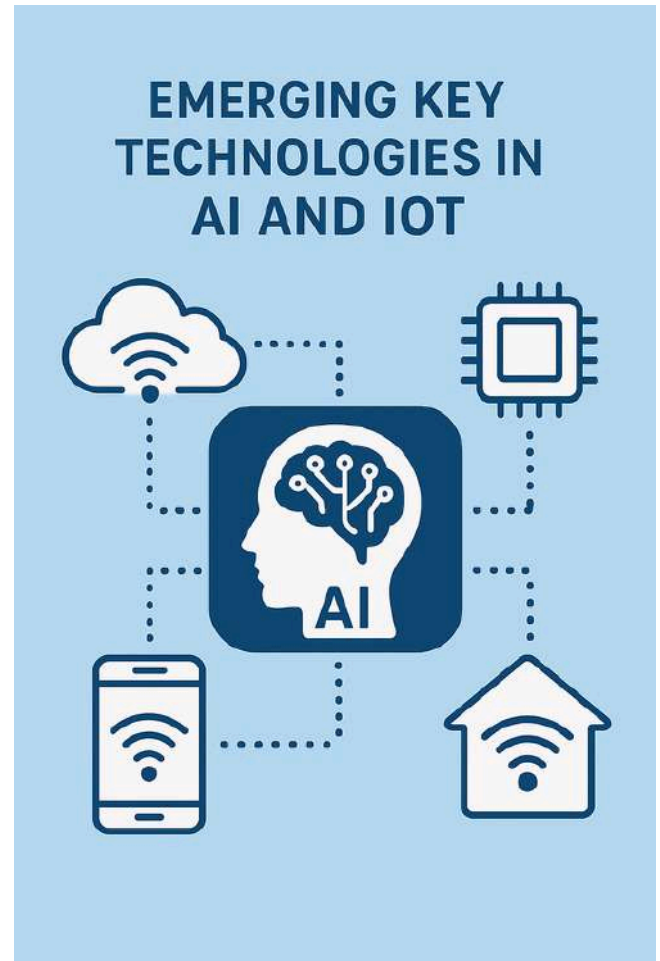


VISTAS
AICTE ATAL FDP PROGRAM
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X556+G9X, Malliga Nagar, Krishnapuram, Pallavaram, Chennai
600117



Dr. M. K. Kirubakaran successfully participated in the **ATAL Faculty Development Programme (FDP)** held from **6th October 2025 to 11th October 2025** on the topic **"Skilling Educators in Indigenous Drone Development: A Design Thinking Approach."** The FDP was organized by **VELS Institute of Science, Technology and Advanced Studies (VISTAS)**. The program focused on enhancing educators' **technical proficiency and innovative thinking** in the field of **drone technology**, promoting indigenous design, development and application through hands-on learning and design-thinking methodologies.

STAFF ACHIEVEMENTS



A. Shanthakumari and **B. Cynthia Sherin** attended an **online Faculty Development Programme (FDP)** on **"Emerging Key Technologies in AI and IoT"** organized by **Vel Tech Multi Tech** from 6th October 2025 to 11th October 2025. The FDP provided valuable insights into the **latest advancements in Artificial Intelligence and Internet of Things**, focusing on their integration, applications and future research opportunities. Their participation enhanced their technical knowledge and pedagogical skills in these rapidly evolving technological domains.

STAFF ACHIEVEMENTS



We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
 (An Autonomous Institution)
St. Joseph's Group of Institutions
 OMR, CHENNAI - 119

Second International Conference on
**Artificial Intelligence and Knowledge Discovery
 in Concurrent Engineering (ICECONF 2025)**
 09th - 10th October, 2025

CERTIFICATE

This certificate is presented to



Dr. A. V. Allin Geo
 Associate Professor,
 Department of Artificial Intelligence and Data Science,
 St. Joseph's Institute of Technology
 OMR, Chennai - 600 119,
 Tamil Nadu, India.

Session Chair

as a token of appreciation for his outstanding service as **SESSION CHAIR** at the IEEE Technical Sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF 2025) held at St. Joseph's Institute of Technology (Autonomous), Chennai, Tamil Nadu, India on 09th & 10th, October 2025.


 Dr. K. Vijayakumar
Conference Chair


 Dr. G. Sreekumar
Convener


 Dr. S. Arivazhagan
General Chair

ICECONF 2025

Technical Sponsor



Advancing Technology
for Humanity

Technical Co-Sponsor



Madras Section



SPRINGER NATURE

REVIEWER
CERTIFICATE

This certificate is awarded to

A.V. Allin Geo

in recognition of their contribution to
 2 manuscripts in 2025 for
Japanese Journal of Ophthalmology











Biomedical Signal Processing and Control

Certificate of Reviewing

Awarded for 15 reviews between June 2025 and September 2025
presented to

ALLIN GEO A V

in recognition of the review contributed to the journal

The Editors of Biomedical Signal Processing and Control



Dr. A. V. Allin Geo acted as a **Session Chair** at the IEEE Technical Sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF-2025) held at St. Joseph's Institute of Technology on October 9th and 10th, 2025. He was also awarded a **Reviewer Certificate** for his valuable contribution in reviewing a Japanese Journal of Ophthalmology and additionally served as a reviewer for the Biomedical Signal Processing and Control journal.

NEWSLETTER

PATENT PUBLICATIONS



18/24/25, 10:34 AM Intellectual Property India

Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India
(<http://ipindia.nic.in/index.htm>)

INTELLECTUAL PROPERTY INDIA
PATENTS, DESIGNS, TRADE MARKS, GEOGRAPHICAL INDICATIONS
(<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	202541088530
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/09/2025
APPLICANT NAME	1 . Mr. Zahir Abbas Khan 2 . Ms. Raksha. R 3 . Mr. M. V. Rajesh 4 . Mrs. S. Vijitha 5 . Dr. N. Kumar 6 . M. Revathi
TITLE OF INVENTION	A SYSTEM AND METHOD FOR REAL-TIME EMOTION RECOGNITION USING MULTIMODAL DATA INPUTS
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	abiresearchacademy@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	17/10/2025

(12) PATENT APPLICATION PUBLICATION	(13) Application No.202541088530 A.
(18) INDIA	(14) Publication Date : 31/10/2025
(21) Date of Filing of Application : 09/09/2025	(22) Publication Date : 31/10/2025
(44) Title of the Invention : GREEN COMPUTING SCHEDULER FOR SUSTAINABLE DATA CENTERS	
(51) International Classification	(71) Name of Applicant :
(24) Priority Document No	: IRE AKAJHMI
(25) Priority Base	: Address of Applicant: Assistant Professor, Department of Computer Applications, School of Science, Siddhartha Academy of Higher Education, Dattam to Ho University, Vijayawada Andhra Pradesh India (520017) Andhra Pradesh India
(26) Name of priority country	: IRE AKAJHMI
(27) International Application No	: IRE AKAJHMI
(28) Filing Date	: IRE AKAJHMI
(29) Name of inventor	: IRE AKAJHMI
(30) Inventor's Address	: IRE AKAJHMI
(31) Name of Applicant	: IRE AKAJHMI
(32) Applicant's Address	: IRE AKAJHMI
(33) Name of Inventor	: IRE AKAJHMI
(34) Inventor's Address	: IRE AKAJHMI
(35) Name of Applicant	: IRE AKAJHMI
(36) Applicant's Address	: IRE AKAJHMI
(37) Name of Inventor	: IRE AKAJHMI
(38) Inventor's Address	: IRE AKAJHMI
(39) Name of Applicant	: IRE AKAJHMI
(40) Applicant's Address	: IRE AKAJHMI
(41) Name of Inventor	: IRE AKAJHMI
(42) Inventor's Address	: IRE AKAJHMI
(43) Name of Applicant	: IRE AKAJHMI
(44) Applicant's Address	: IRE AKAJHMI
(45) Name of Inventor	: IRE AKAJHMI
(46) Inventor's Address	: IRE AKAJHMI
(47) Name of Applicant	: IRE AKAJHMI
(48) Applicant's Address	: IRE AKAJHMI
(49) Name of Inventor	: IRE AKAJHMI
(50) Inventor's Address	: IRE AKAJHMI
(51) Name of Applicant	: IRE AKAJHMI
(52) Applicant's Address	: IRE AKAJHMI
(53) Name of Inventor	: IRE AKAJHMI
(54) Inventor's Address	: IRE AKAJHMI
(55) Name of Applicant	: IRE AKAJHMI
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The exponential growth of cloud services and high performance computing has led to significant energy consumption in data centers, raising both environmental and operational concerns. To address this challenge, a Green Computing Scheduler is designed to optimize resource utilization while reducing carbon footprint and energy costs in sustainable data centers. The scheduler integrates Dynamic Voltage and Frequency Scaling (DVFS) and Energy-Aware Load Balancing (EALB) to minimize power consumption without compromising performance. Machine learning-based prediction models, specifically Long Short-Term Memory (LSTM) networks, are employed to forecast server workload and enable proactive resource allocation. Furthermore, Multi-Objective Genetic Algorithms (MOGA) are applied to balance energy efficiency, service level agreement (SLA) compliance, and resource management across servers. Virtualization technologies, such as VM consolidation using the migration algorithms (e.g., Best Fit Decreasing - BFD and Modified Particle Swarm Optimization - MFSO), are leveraged to reduce idle server energy consumption. The proposed scheduler achieves up to a 30% reduction in energy usage, with significant improvements in carbon efficiency and resource utilization compared to conventional scheduling approaches.

No. of Pages : 7 No. of Claims : 4

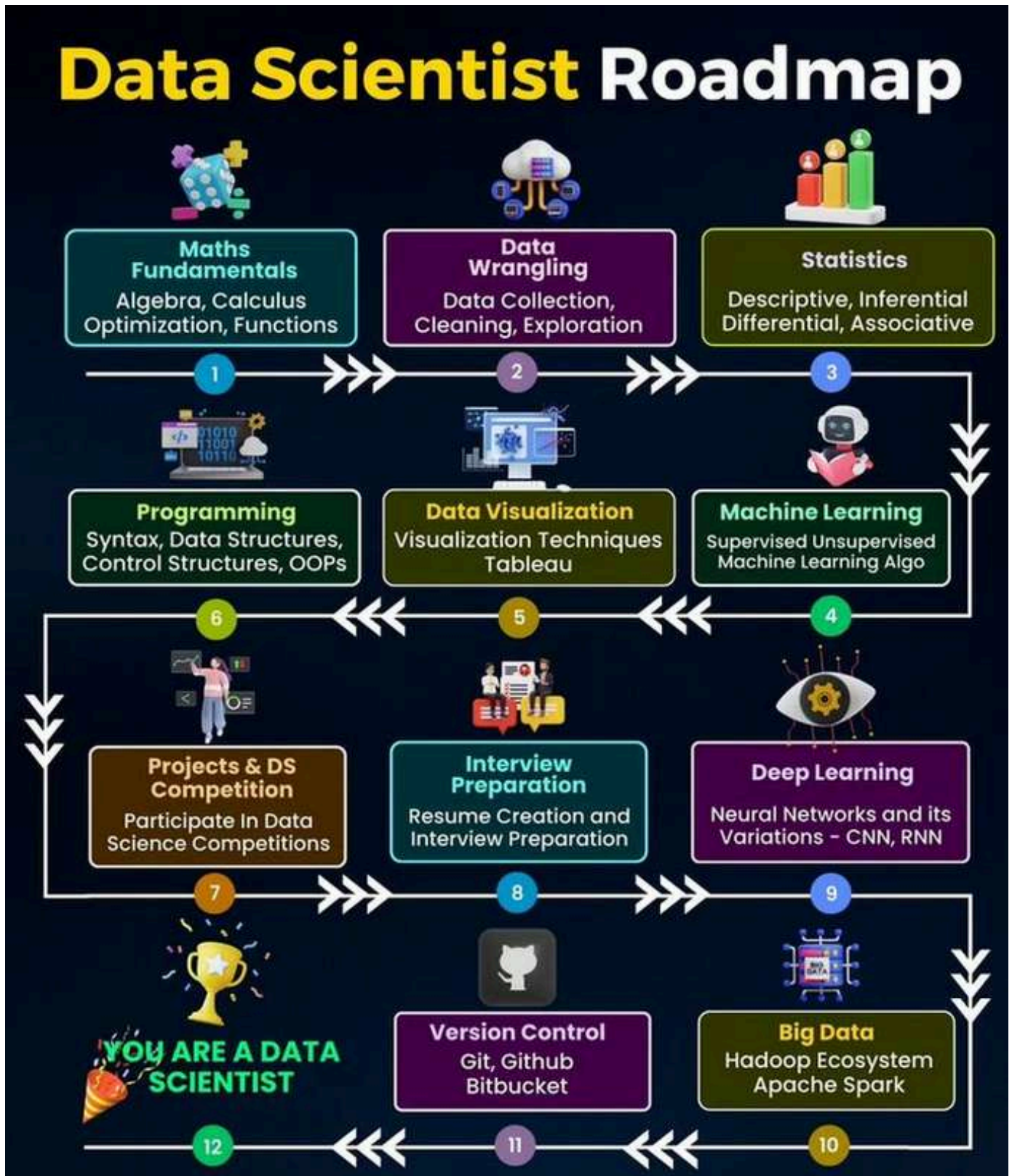
The Patent Office Journal No. 44/2025 Dated 31/10/2025

108974

Dr. M. Revathi has published a patent titled **“A System and Method for Real-Time Emotion Recognition Using Multimodal Data Inputs”** on 17th October 2025. The patent introduces an innovative approach that integrates multiple data sources such as facial expressions, voice and physiological signals to accurately detect and interpret human emotions in real time.

Ms. Saranya S has published a patent titled **“Green Computing Scheduler for Sustainable Data Centers”** on 31st October 2025. The invention focuses on optimizing energy efficiency and resource utilization in data centers through green computing techniques to promote environmental sustainability.

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