AVIT CSE

INSIGHTS

August 2025 | Volume 1 | Issue 4

AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

VINAYAKA MISSION'S RESEARCH FOUNDATION
(Deemed to be University under section 3 of the UGC Act 1956)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Achievements Summary - August 2025

Department Events

The CSE Department organizes FDPs, workshops, and industrial visits to promote continuous learning and industry engagement. These events enhance faculty expertise and student skills in emerging technologies. Such initiatives help to produce industry-ready graduates equipped for innovation in a dynamic tech landscape.

One-Day workshop on Practical AI for Real World Industry Challenges

August 22, 2025

The Department of CSE, in association with the AI Nexus Club, conducted a workshop on "**Practical AI for Real-World Industry Challenges**" on **22nd August 2025** at AVIT, 40 students actively participated in the program.

Event Coordinator:

Dr. N. Sarika, Associate Professor.

Resource Person

Mr. Shanawaz Sheriff,
Analytics Architect,
Flexera, Chennai,
Tamil Nadu, India.

Outcomes

The session emphasized the role of AI in solving real-world industrial challenges with applications in **healthcare, finance, cybersecurity, and automation**. Students learned how AI models are designed, trained, and deployed through interactive sessions and case studies. The workshop helped bridge the gap between academia and industry requirements, providing practical exposure to AI tools. It motivated participants to explore AI beyond theory and gain hands-on experience.

HACKATHON AND INNOVATION INITIATIVE

AVIT and iTech Technologies Ltd. collaboration -- Showcasing Innovation at AVIT– 4th to 19th AUGUST 2025.

The Department of Computer Science and Engineering, AVIT, in collaboration with **iTech Technologies**, organized a Hackathon Review & Presentation event to showcase student innovations in **UI/UX Design**, **AI/ML**, and **Cybersecurity** on 19th August 2025. The objective was to provide students with industry exposure, expert feedback, and hands-on problem-solving experience.

Event Coordinators:

Dr. J. Janet, Principal
Dr. S. Balakrishnan, Professor & Head, CSE
Dr. Pitchumani Angayarkanni, Professor
Mr. Seshadri, Professor of Practice

Panel Members:

Mr. Biju Narayanan – Co-founder & COO, iTech Technologies
Mr. Pravin Kumar – Senior ML Engineer
Ms. Amrutha – ML Engineer

Participation:

Total Teams: 17 (75 students)
UI/UX: 3 | AI/ML: 12 | Cybersecurity: 2
18 students were selected as winners across all categories.

Highlights & Key Takeaways:

- Students presented live demos on real-world problem statements.
- Industry experts shared constructive feedback and guidance on further skill enhancement.
- Emphasis on innovation, practical learning, and continuous improvement in advanced technologies.

Startup Genesis: 2-Days Challenge – Poster Presentation 20th –21st August 2025

The Institution Innovation Council (IIC), AVIT, hosted a **Poster Presentation event** titled *"Startup Genesis: A 2-Day Challenge"* to nurture **innovation, creativity, and entrepreneurial thinking** among students.

Event Coordinator:

Dr. S Poonguzhali, Professor.

Objective:

The event aimed to cultivate an entrepreneurial mindset by encouraging students to ideate, develop, and present innovative startup concepts. It focused on:

- Presenting ideas through posters
- Enhancing teamwork, critical thinking, and communication skills
- Exposure to internal and external jury evaluations

A total of **26 teams** (including 13 from CSE) participated in two rounds – **Prelims and Finals**. After rigorous evaluation, **6 CSE teams** reached the finals, and **3 teams** were declared winners (2 for Idea-Level and 1 for Proof of Concept -Level innovations).

Key Outcomes:

- Practical exposure to startup ideation and structured presentation.
- Valuable feedback from internal and external juries.
- Encouraged the emergence of innovative and socially relevant ideas.
- Fostering of teamwork, creativity, and entrepreneurial confidence.

WINNERS LIST

Si.No	Title	Reg. No.	Name of the Students	Dept. & Year	Level of Product	Winning Place
1	ACCESSIBLE CHENNAI	3602410534	M.NAVADEEP	CSE (CS)/ II	IDEA	I
		3702410670	S. MUJAHIDDIN	CSE (AIML)/ II		
		3602410534	M.NAVADEEP	CSE (CS)/ II		
2	RELOOP	3502310551	NARMADHA.A	CSE/ III	IDEA	II
		3502310589	YOGESWARN.V	CSE /III		
		3502310539	LAVANYA.V	CSE /III		
3	AI NEGOTIATOR	3502310540	M B LAKSHUN	CSE /III	PROTOTYPE	II
		3702310504	S. ARAVIND	CSE/III INTEL		

Student Achievements in Co-Curricular Activities (Placement/ Internship/ Hackathon/ Certificate of Excellence)

Department of Computer Engineering students demonstrated outstanding skills and enthusiasm across a range of co-curricular activities, achieving notable success in various forums. These accomplishments reflect their dedication, creativity, and the dynamic spirit of our student community, making us proud ambassadors of holistic education.

Placement

Mr. K. Rohith, B.E. CSE (AI & DS), Batch of 2021–2025, has been placed as a Junior AI Engineer at Thrivv.ai

Mr. K. Rohith, B.E. CSE (AI & DS) student, has been successfully placed as a Junior AI Engineer at Thrivv.ai. This achievement reflects the excellence of our students and the strength of our industry-aligned curriculum.

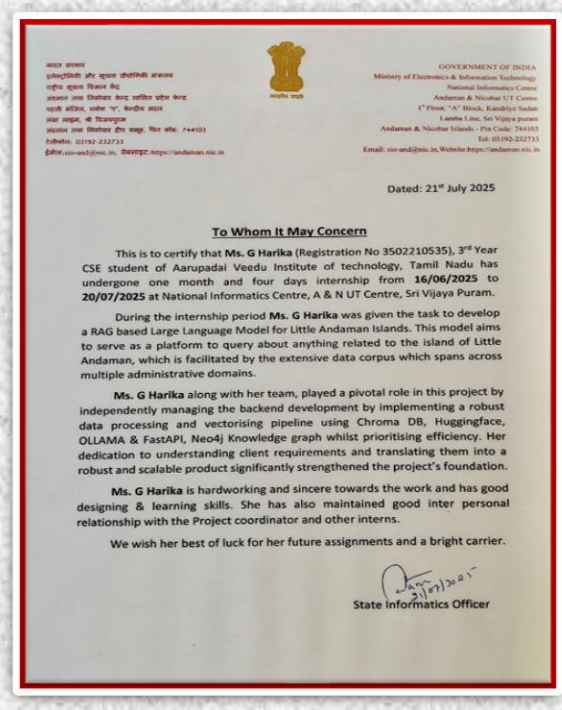
Congratulations, Mr. K. Rohith, on this incredible milestone!

Internship

Ms. G. Harika has successfully completed her internship in RAG-based LLM project.

Ms. G. Harika, a 3rd-year CSE student, successfully completed a one-month internship at the National Informatics Centre, Andaman & Nicobar Islands. She contributed to developing a RAG-based LLM project for Little Andaman using tools such as ChromaDB, Hugging Face, and FastAPI.

Her technical skills and dedication were well appreciated by the NIC team.



GOVERNMENT OF INDIA
Ministry of Electronics & Information Technology
National Informatics Centre
Andaman & Nicobar UT Centre
1st Floor, "A" Block, Kandriye Sadan
Lamba Line, Sri Vijaya puram
Andaman & Nicobar Islands - Pin Code: 744103
Tel. 03192-232733
Email: sio-and@nic.in, Website:https://andaman.nic.in

Dated: 21st July 2025

To Whom It May Concern

This is to certify that **Ms. G Harika** (Registration No 3502210535), 3rd Year CSE student of Aarupadai Veedu Institute of technology, Tamil Nadu has undergone one month and four days internship from **16/06/2025** to **20/07/2025** at National Informatics Centre, A & N UT Centre, Sri Vijaya Puram.

During the internship period **Ms. G Harika** was given the task to develop a RAG based Large Language Model for Little Andaman Islands. This model aims to serve as a platform to query about anything related to the island of Little Andaman, which is facilitated by the extensive data corpus which spans across multiple administrative domains.

Ms. G Harika along with her team, played a pivotal role in this project by independently managing the backend development by implementing a robust data processing and vectorising pipeline using Chroma DB, Huggingface, OLLAMA & FastAPI, Neo4j Knowledge graph whilst prioritising efficiency. Her dedication to understanding client requirements and translating them into a robust and scalable product significantly strengthened the project's foundation.

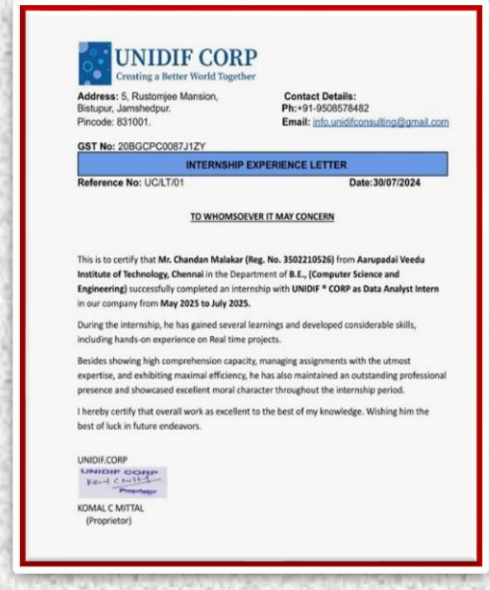
Ms. G Harika is hardworking and sincere towards the work and has good designing & learning skills. She has also maintained good inter personal relationship with the Project coordinator and other interns.

We wish her best of luck for her future assignments and a bright carrier.

State Informatics Officer

Mr. Chandan Malakar, successfully completed his internship as a Data Analyst Intern at UNIDIF Corp, Jamshedpur, from May to July, 2025.

Mr. **Chandan Malakar** successfully completed his internship at **UNIDIF® CORP** as a **Data Analyst Intern** from **May–July 2025**, gaining hands-on experience in real-time projects and earning appreciation for his outstanding performance.



UNIDIF CORP
Creating a Better World Together

Address: 5, Rustomjee Mansion, Bistupur, Jamshedpur. Pincode: 831001.
Contact Details: Ph:+91-9508578482 Email: info.unidifconsulting@gmail.com

GST No: 20BGCPC0087J1ZY

INTERNSHIP EXPERIENCE LETTER

Reference No: UC/LT/01 Date:30/07/2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Chandan Malakar (Reg. No. 3502210526)** from **Aarupadai Veedu Institute of Technology, Chennai** in the Department of **B.E., (Computer Science and Engineering)** successfully completed an internship with **UNIDIF ® CORP as Data Analyst Intern** in our company from **May 2025 to July 2025.**

During the internship, he has gained several learnings and developed considerable skills, including hands-on experience on Real time projects.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, he has also maintained an outstanding professional presence and showcased excellent moral character throughout the internship period.

I hereby certify that overall work as excellent to the best of my knowledge. Wishing him the best of luck in future endeavors.

UNIDIF CORP
KOMAL C MITTAL
(Proprietor)

Ms. Harini, Ms. Kalki K, Mr. Saran. A, Mr. N Sukesh, Mr. Vishnu S, Mr. Jagannathan N, completed two-month offline internship at Brainovision Solutions Pvt. Ltd

Ms. Harini, Ms. Kalki K, Mr. Saran. A, Mr. N Sukesh, Mr. Vishnu S, Mr. Jagannathan N successfully completed a two-month offline internship with Brainovision Solutions Pvt. Ltd., Hyderabad, from 9th June to 9th August 2025. During the program, they worked on AI with Cybersecurity and AI with Python, and made dedicated contributions to the assigned projects and tasks. The internship was guided by Mr. Ganesh Nag Doodi, Founder & CEO of Brainovision Solutions Pvt. Ltd., and Dr. Buddha Chandrashekar, Chief Coordinating Officer – AICTE.

BRAIN O VISION
MINISTRY OF EDUCATION

CERTIFICATE
OF INTERNSHIP COMPLETION

TO
Date: 11-08-2025

HARINI
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

This is to certify that **HARINI** has successfully completed her **TWO MONTHS INTERNSHIP** program with **BrainOvision Solutions Pvt. Ltd.** She has worked on **Advanced AI using Python** and was actively & diligently involved in the projects and tasks assigned to her. During the span, we found her punctual and hardworking person. Her feedback and evolution proved that she is a quick learner.
Congratulations and Best Wishes.

ROLE : INTERN
INTERN ID : BV25-EM-355
MODE : OFFLINE
START DATE : 09-06-2025
END DATE : 09-08-2025

Yours Faithfully,
Ganesh Nag Doodi
Founder & CEO
Brainovision Solutions India Pvt Ltd

Dr. Buddha Chandrashekar
Chief Coordinating Officer – AICTE
All India Council for Technical Education

BRAIN O VISION
MINISTRY OF EDUCATION

CERTIFICATE
OF INTERNSHIP COMPLETION

TO
Date: 11-08-2025

SARAN.A
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

This is to certify that **SARAN.A** has successfully completed his **TWO MONTHS INTERNSHIP** Internship program with **BrainOvision Solutions Pvt. Ltd.** He has worked on **AI with Cybersecurity** and was actively & diligently involved in the projects and tasks assigned to him. During the span, we found him punctual and hardworking person. His feedback and evolution proved that he is a quick learner.
Congratulations and Best Wishes.

ROLE : INTERN
INTERN ID : BV25-EM-362
MODE : OFFLINE
START DATE : 09-06-2025
END DATE : 09-08-2025

Yours Faithfully,
Ganesh Nag Doodi
Founder & CEO
Brainovision Solutions India Pvt Ltd

Dr. Buddha Chandrashekar
Chief Coordinating Officer – AICTE
All India Council for Technical Education

Mr. Arul Kumaran S, Mr. Abishek M, Mr. Dhanush K, Mr. Vignesh N, Mr.Koushi K, Ms. Mithila R completed two months internship in AI Development at Blue Silicon Infotech Pvt Ltd.


BlueSilicon
Infotech Private Limited

Blue Silicon Infotech Pvt Ltd
No. 11, 3rd Floor, Platinum Towers,
Old Truck Road, Pallavaram,
Chennai - 600043, India.

08th August 2025

TO WHOM IT MAY CONCERN

This is to certify that **Koushik Rushik** (Student ID: 3502210547), **AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY**, has done his internship in **"AI Development"** at **Blue Silicon Infotech Pvt Ltd.**, Chennai from **07th June 2025 to 08th August 2025.**

During the internship period, he actively contributed to various AI development tasks, including data pre-processing, model training and evaluation, debugging model outputs, and supporting both research and implementation efforts under the guidance of our AI team. He demonstrated strong analytical skills, a keen interest in learning, and the ability to collaborate effectively within a team-oriented environment.

Throughout the internship, he was enthusiastic, reliable, and professional. He showed a solid understanding of AI and machine learning fundamentals and made meaningful contributions to the projects he was involved in.

We wish you continued success in all your future endeavors.

Regards,
Kalaiprasath
Operations Manager
Blue Silicon Infotech Pvt Ltd


BlueSilicon
Infotech Private Limited

Blue Silicon Infotech Pvt Ltd
No. 11, 3rd Floor, Platinum Towers,
Old Truck Road, Pallavaram,
Chennai - 600043, India.

08th August 2025

TO WHOM IT MAY CONCERN

This is to certify that **Arul Kumaran S** (Student ID: 3602455501), **AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY**, has done his internship in **"AI Development"** at **Blue Silicon Infotech Pvt Ltd.**, Chennai from **07th July 2025 to 08th August 2025.**

During the internship period, he actively contributed to various AI development tasks, including data pre-processing, model training and evaluation, debugging model outputs, and supporting both research and implementation efforts under the guidance of our AI team. He demonstrated strong analytical skills, a keen interest in learning, and the ability to collaborate effectively within a team-oriented environment.

Throughout the internship, he was enthusiastic, reliable, and professional. He showed a solid understanding of AI and machine learning fundamentals and made meaningful contributions to the projects he was involved in.

We wish you continued success in all your future endeavors.

Regards,
Kalaiprasath
Operations Manager
Blue Silicon Infotech Pvt Ltd

Mr. Arul Kumaran S, Mr. Abishek M, Mr. Dhanush K, Mr. Vignesh N, Mr.Koushi K, Ms. Mithila R successfully completed their internship in AI Development at Blue Silicon Infotech Pvt. Ltd., Chennai, from 7th July to 8th August 2025. They contributed to AI model development, data processing, and debugging, showcasing strong analytical and teamwork skills.

Hackathon

Ms. Ganta Prathyusha, Mr. Nayan, Ms. Madhuri Mahalakshmi Sanku, have secured 3rd place in SDG SOLVE-A-THON, organized by SRMIST ACM SIGAI, Department of Computational Intelligence on 21st August 2025. Special appreciation to **Dr. S. Balakrishnan, Professor & Head** for his valuable mentorship, which played a key role in guiding the team to success.


SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, KATTANKULATHUR
CHENNAI - 603203
COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTATIONAL INTELLIGENCE
IN ASSOCIATION WITH
ACM SIGAI STUDENT CHAPTER
INNOTECH 2025
CERTIFICATE OF ACHIEVEMENT
This is to certify that
GANTA PRATHYUSHA
has secured 3rd place in SDG SOLVE-A-THON, organized by SRMIST ACM SIGAI, Department of Computational Intelligence on 21st August 2025
Dr. M Uma
Professor, ACM Faculty Sponsor
Department of Computational Intelligence
School of Computing, SRMIST
Dr. R Annie Uthra
Professor & Head
Department of Computational Intelligence
School of Computing, SRMIST


SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, KATTANKULATHUR
CHENNAI - 603203
COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTATIONAL INTELLIGENCE
IN ASSOCIATION WITH
ACM SIGAI STUDENT CHAPTER
INNOTECH 2025
CERTIFICATE OF ACHIEVEMENT
This is to certify that
NAYAN
has secured 3rd place in SDG SOLVE-A-THON, organized by SRMIST ACM SIGAI, Department of Computational Intelligence on 21st August 2025
Dr. M Uma
Professor, ACM Faculty Sponsor
Department of Computational Intelligence
School of Computing, SRMIST
Dr. R Annie Uthra
Professor & Head
Department of Computational Intelligence
School of Computing, SRMIST


SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, KATTANKULATHUR
CHENNAI - 603203
COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTATIONAL INTELLIGENCE
IN ASSOCIATION WITH
ACM SIGAI STUDENT CHAPTER
INNOTECH 2025
CERTIFICATE OF ACHIEVEMENT
This is to certify that
MADHURI MAHALAKSHMI SANKU
has secured 3rd place in SDG SOLVE-A-THON, organized by SRMIST ACM SIGAI, Department of Computational Intelligence on 21st August 2025
Dr. M Uma
Professor, ACM Faculty Sponsor
Department of Computational Intelligence
School of Computing, SRMIST
Dr. R Annie Uthra
Professor & Head
Department of Computational Intelligence
School of Computing, SRMIST

Ms. Narmadha A, Ms. Yogeswarn V, Ms.Lavanya V, and Ms. Kanimozhi E, won Second Prize at the Regional Level Future 5.0 Hackathon (Climate Action – SRTN Region) held at TCE, Madurai, with their solution "RE-LOOP: AI-Powered Circular Economy Platform for E-Waste Management." They have qualified for the National Level Round in Bangalore. Special appreciation to **Dr. S. Pitchumani Angayarkanni, Professor** for her valuable mentorship, which played a key role in guiding the team to success.

Workshop

Mr. M. Mohammed Rafiq successfully participated in the Model Context Protocol Mega Workshop, organized by NxtWave exclusively for CCBP 4.0 Academy students. The workshop, held on 9th August 2025, provided in-depth insights into advanced protocol concepts, empowering participants with valuable skills for real-world applications. Special appreciation to **Dr. S. Balakrishnan, Professor & Head** for his valuable mentorship, which played a key role in guiding the team to success.

Certificate of Excellence

Students have successfully completed various online certification courses, demonstrating their initiative and commitment to continuous learning. These achievements reflect their dedication to enhancing technical skills beyond the classroom.

Mr. Sri Vatsa G successfully completed the online course "Innovating with Google Cloud AI", offered through the SkillUp platform by Simplilearn and powered by Google Cloud, on 3rd August 2025.

Mr. Mohammed Rafiq completed the online course "AI for All," organized by Intel and Digital India, successfully finishing the AI Appreciate stage on 25th July 2025.

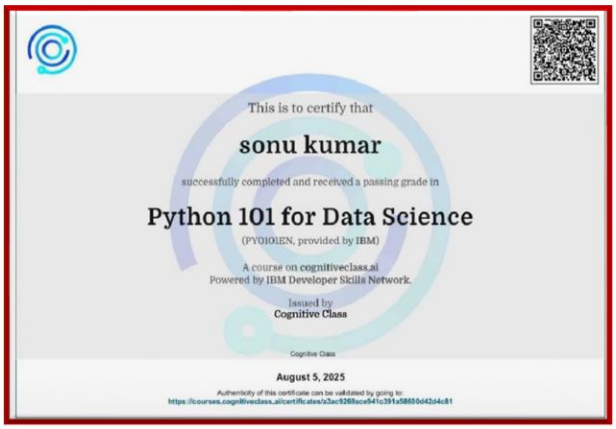
Mr. M. Mohammed Rafiq has successfully completed the "Planning a Generative AI Project" course offered by AWS Training & Certification on 27th July 2025.

Mr. M. Mohammed Rafiq has successfully completed the "Introduction to Generative AI – Art of the Possible" course offered by AWS Training & Certification on 27th July 2025.

Mr. M. Mohammed Rafiq has successfully completed the online course "Build Website with AI" through Simplilearn SkillUp on 1st August 2025.

Mr. Avula Remanth Reddy has successfully completed the JavaScript Fundamentals course offered by GreatStack on August 6th , 2025.

Mr.Sonu Kumar has successfully completed the Python 101 for Data Science course offered by IBM through cognitiveclass.ai. Earned on August 5th , 2025,



Mr. Adarsh Kumar Keshri has successfully completed a 4-week Internship in Data Science using Python Programming, conducted by NIELIT Patna from 9th June 2025 to 7th July 2025. Earning S Grade—the highest distinction—Adarsh demonstrated exceptional skills in data analysis, programming, and problem-solving.

रा.इ.सू.प्री.सं
NIELIT

Certificate no.:NPAT/DS/0625/316

National Institute of Electronics & Information Technology, Patna

(An Autonomous Scientific Society under Ministry of Electronics & Information Technology (MeitY), Government of India)

Certificate

This is to certify that

Mr./Ms./Mrs. Adarsh Kumar Keshri

Son/Daughter of Munna Kumar Keshri

Registration No. TC750525016150

Has successfully completed 4 Weeks Course on Internship in Data Science using Python Programming

Conducted By NIELIT Patna

from 09-06-2025 to 07-07-2025 with S Grade.

Grade allotted corresponds to the marks range as below:

85%and above	75% to 84%	65% to 74%	55% to 64%	50% to 54%
S	A	B	C	D

Ankit Kumar
Project Co-Ordinator
NIELIT, Patna

Executive Director
NIELIT, Patna

Date: 23.07.2025

Mr. Kuppala Sai Bharath Chandra Naidu has successfully completed a 10-week online course on Java Programming [Complete Beginner to Advanced], offered by GeeksforGeeks.

GeeksforGeeks

CERTIFICATE

OF COURSE COMPLETION

THIS IS TO CERTIFY THAT

KUPPALA SAI BHARATH CHANDRA NAIDU

has successfully completed a 10-week course on Java Programming Online Course [Complete Beginner to Advanced].

Sandeep Jain

Mr. Sandeep Jain
Founder & CEO, GeeksforGeeks

https://media.geeksforgeeks.org/courses/certificates/97770b04c9dfe6e3c1c13539bedeac42.pdf

www.geeksforgeeks.org

Mr. Fadhel T, successfully completed a Data Scientist Intern program at Blocktech Technology Pvt. Ltd. from 23.07.2025 to 23.08.2025. The internship provided hands-on experience in data science tools and techniques.

BLOCKTECH TECHNOLOGY

CERTIFICATION OF COMPLETION

Certified that ***Fadhel T****, student of* ***AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY*** *has successfully completed Internship Training Program as a* ***"Data Scientist Intern "*** *offered by BLOCKTECH TECHNOLOGY PVT LTD. from* **23.07.2025 to 23.08.2025**

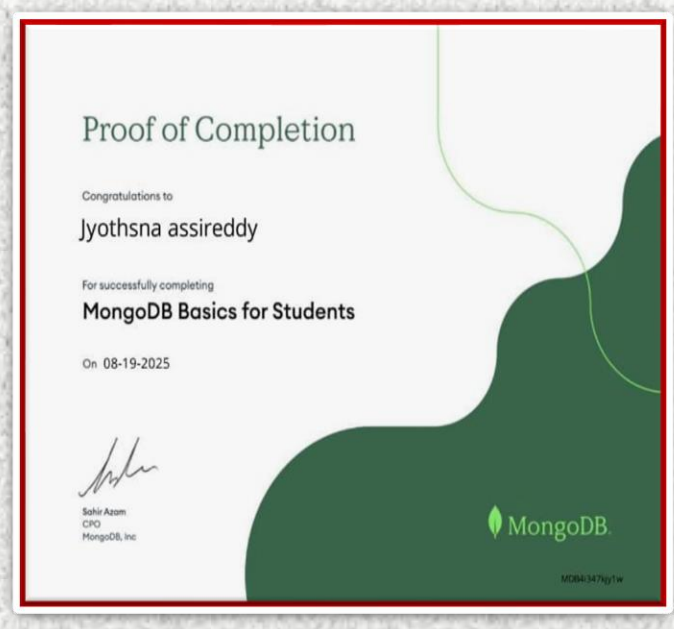
Authorized Signatory

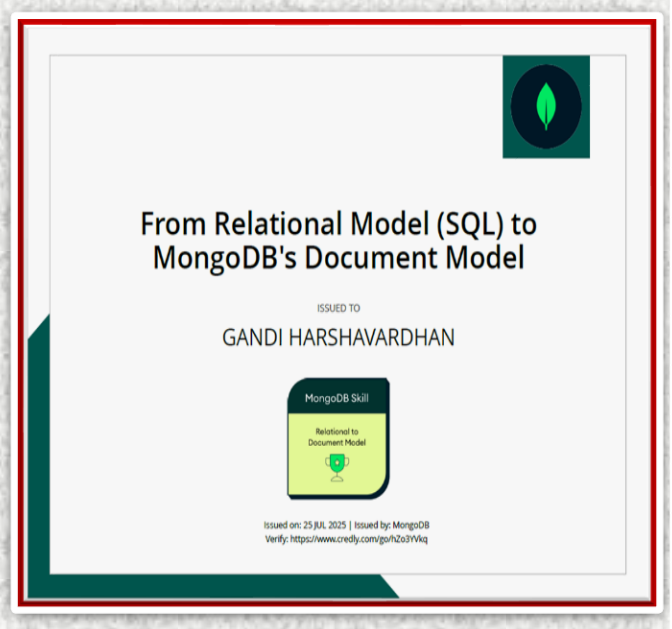
BLOCKTECH TECHNOLOGY PVT LTD
ABM Building
Thrikkakara, Ernakulam

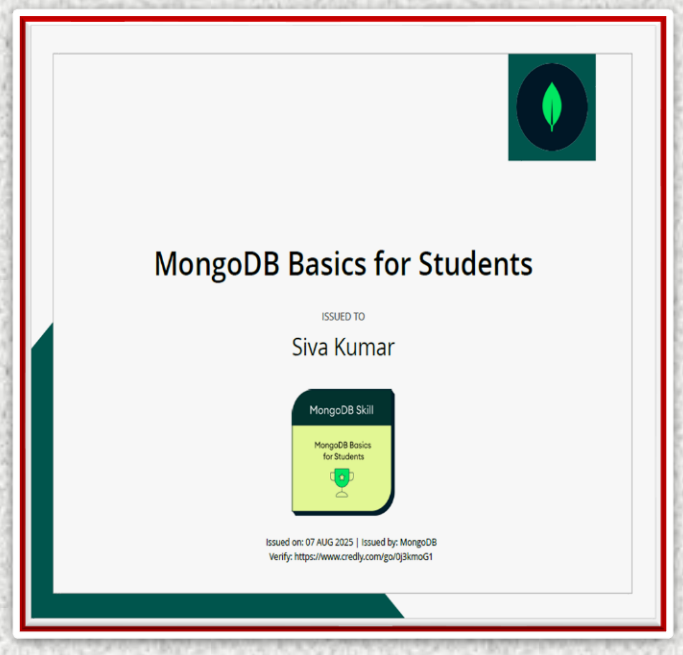
شركة بلوك تك تكنولوجي
BLOCKTECH TECHNOLOGY CO.

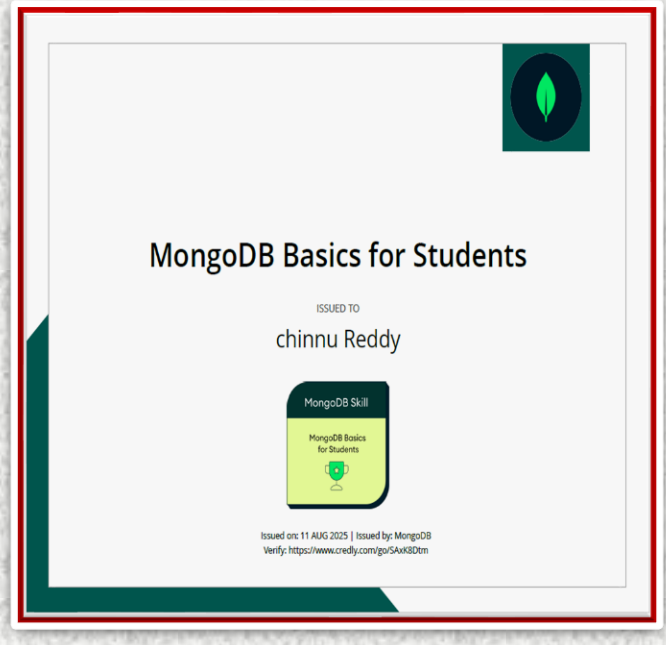
Mega Certification Drive: AVIT–ICT Academy Collaboration

The **Mega Certification Drive**, organized through the **AVIT–ICT Academy collaboration**, was successfully conducted as part of the **ICT Skillathon 2025** initiative. More than **200 students** from the Department of **Computer Science and Engineering (CSE)** have achieved **certification in MongoDB**, marking a significant milestone in their professional development. Through this program, students gained valuable insights into **MongoDB fundamentals** and **relational database concepts**, enhancing their readiness for industry roles.





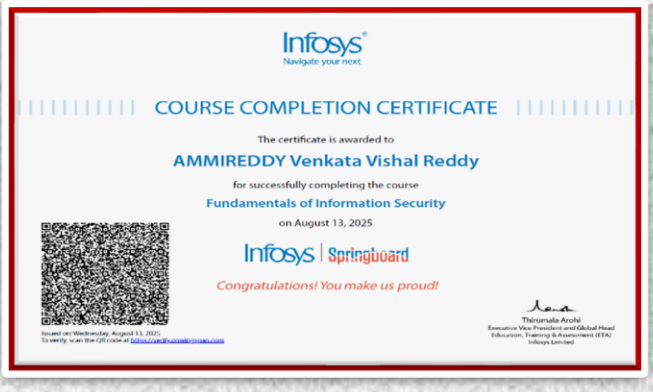




AVIT–Infosys Springboard Campus Connect: August 2025 Certification Drive Empowering Students in Cybersecurity & Cloud Computing

The *AVIT - Infosys Springboard Campus Connect* successfully conducted the **August 2025 Certification Drive**, featuring two key domains: **Cyber Security Foundation** (11th–13th August) and **Cloud Computing** (20th–21st August). Over 100 students, primarily from the Department of Computer Science and Engineering (CSE), actively participated in the sessions and enriched their knowledge in cybersecurity and cloud technologies. Upon successful completion, participants received **E-certificates**, boosting their professional profiles and enhancing career readiness and employability.

Cyber Security Foundation 11th –13th August 2025



Cloud Computing 20th –21th August 2025


Infosys
Navigate your next

COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Ammireddy Venkata Vishal Reddy

for successfully completing the course

Essentials of Cloud Computing

on August 20, 2025

Infosys | Springboard

Congratulations! You make us proud!

Issued on: Wednesday, August 20, 2025
To verify, scan the QR code at https://verify.onwingspan.com

Thirumala Arohi
Executive Vice President and Global Head
Education, Training & Assessment (ETA)
Infosys Limited


Infosys
Navigate your next

COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Lavanya V

for successfully completing the course

Introduction to Cloud Computing

on August 21, 2025

Infosys | Springboard

Congratulations! You make us proud!

Issued on: Thursday, August 21, 2025
To verify, scan the QR code at https://verify.onwingspan.com

Thirumala Arohi
Executive Vice President and Global Head
Education, Training & Assessment (ETA)
Infosys Limited


Infosys
Navigate your next

COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Rahul Kumar

for successfully completing the course

Introduction to Cloud Computing

on August 20, 2025

Infosys | Springboard

Congratulations! You make us proud!

Issued on: Wednesday, August 20, 2025
To verify, scan the QR code at https://verify.onwingspan.com

Thirumala Arohi
Executive Vice President and Global Head
Education, Training & Assessment (ETA)
Infosys Limited


Infosys
Navigate your next

COURSE COMPLETION CERTIFICATE

The certificate is awarded to

SHAIK MAHAMMAD RIYAZ

for successfully completing the course

Introduction to Cloud Computing

on August 22, 2025

Infosys | Springboard

Congratulations! You make us proud!

Issued on: Friday, August 22, 2025
To verify, scan the QR code at https://verify.onwingspan.com

Thirumala Arohi
Executive Vice President and Global Head
Education, Training & Assessment (ETA)
Infosys Limited


Infosys
Navigate your next

COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Aravind Bikki

for successfully completing the course

Introduction to Cloud Computing

on August 22, 2025

Infosys | Springboard

Congratulations! You make us proud!

Issued on: Friday, August 22, 2025
To verify, scan the QR code at https://verify.onwingspan.com

Thirumala Arohi
Executive Vice President and Global Head
Education, Training & Assessment (ETA)
Infosys Limited


Infosys
Navigate your next

COURSE COMPLETION CERTIFICATE

The certificate is awarded to

AMIT KUMAR

for successfully completing the course

Introduction to Cloud Computing

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Thirumala Arohi
Executive Vice President and Global Head
Education, Training & Assessment (ETA)
Infosys Limited

Faculty Achievements

Faculty Achievements

Our faculty members consistently demonstrate excellence by earning honors and awards at national and international platforms. Their impactful contributions to research and knowledge advancement have received widespread recognition. These accomplishments reflect both their expertise and our institution's strong commitment to academic excellence and innovation.

Resource Person

Dr. S. Balakrishnan, Professor & Head served as a Keynote Speaker at the **International Conference on Artificial Intelligence and Teacher Education (ICAIATE-25).** He delivered a talk on the trending topic "Applied AI in Computational Engineering: Revolutionizing Modeling, Networks, and Automation" on **8th August 2025** in Cali, Colombia.

Dr Muthukumaran M, Professor was invited as a resource person for the Faculty Development Programme on *Academic Writing in the Era of AI: Challenges, Tools, and Best Practices*, organized by the Amity Institute of Information Technology.

Dr. N. Sarika, Associate Professr invited as the Resource Person for a two-day workshop on "Impact of AI and ML in Cyber Security." The workshop was organized by ISRD and held at KKR & KSR Institute of Technology on **5th and 6th August 2025**.

Global AI Leaders' Summit – GAILS 2025, held on 21st August 2025 at IIT Madras, IC&SR Auditorium, brought together leading academic experts, government policymakers, IT industry leaders, and global AI professionals to shape the future of Artificial Intelligence. The summit focused on AI advancements, employability, advanced training, and strategic directions for IT professionals. The following ten faculty members from our department were nominated and participated as delegates.

Dr. M. Muthukumaran

Dr Pitchumani Angayarkanni

Dr. Thilagavathi

Dr. Rajesh

Dr. R.Shobana

Dr .K. Shantha Shalini

Dr. N Sarika

Mr. S. Simonthomas

Mr. Nuzhat Ahmad Yatoo

Mr. B. S. Seshadri

Journal Review

Dr. S. Balakrishnan, Professor & Head recognized by various reputed journals for his valuable contributions as a peer reviewer. He reviewed a manuscript for the reputed journal BMC Medical Informatics and Decision Making, Springer Nature, journal Multimedia Systems, 3rd IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) in 2025.

Dr. S Balakrishnan, **Professor & Head** has been recognized with a Certificate of Appreciation for his valuable contribution as a Program Committee Member and Reviewer at the 9th International Joint Conference on Advances in Computational Intelligence (IJCACI 2025). The conference was organized by Washington University of Science and Technology (WUST), USA, and RV Institute of Management (RVIM), Bangalore, and was held on August 23-24, 2025.

Dr. M Muthukumaran, Professor has received the Reviewer Certificate from IEEE Access, recognizing contribution to peer review and advancing research quality in the global scientific community.

Dr. S Poonguzhali, Professor successfully completed a high-quality review for the 5th International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME 2025) to be held on 16-19 October 2025 at Zanzibar

Award received

Dr. M. Rajesh, Associate Professor won the Best Publication Award from IEEE Madras Section for 2024. The award was presented at the Annual Meet 2025 on August 9th at Hotel Palmgrove, Chennai. The award was presented in the presence of distinguished dignitaries including Dr. S. Brindha, Chair, Awards Committee; Dr. S. Radha, Secretary; and Dr. P. Sakthivel, Chairman, IEEE Madras Section.

Publications

Dr. S. Balakrishnan, Professor & Head presented his paper titled "**Intelligent Traffic Routing for Autonomous Vehicles Using Deep Learning**" at the ICSCSA-2025 International Conference, held at Dhirajlal Gandhi College of Technology, Salem, from 4th to 6th August 2025.


DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY
Autonomous
ICSCSA
SMC IEEE

CERTIFICATE OF PRESENTATION

This is to certify that

Dr. S Balakrishnan

has sucessfully presented a paper entitled

Designing Intelligent Traffic Routing Systems for Autonomous Vehicles using the Deep Learning based Optimization Algorithm

at the

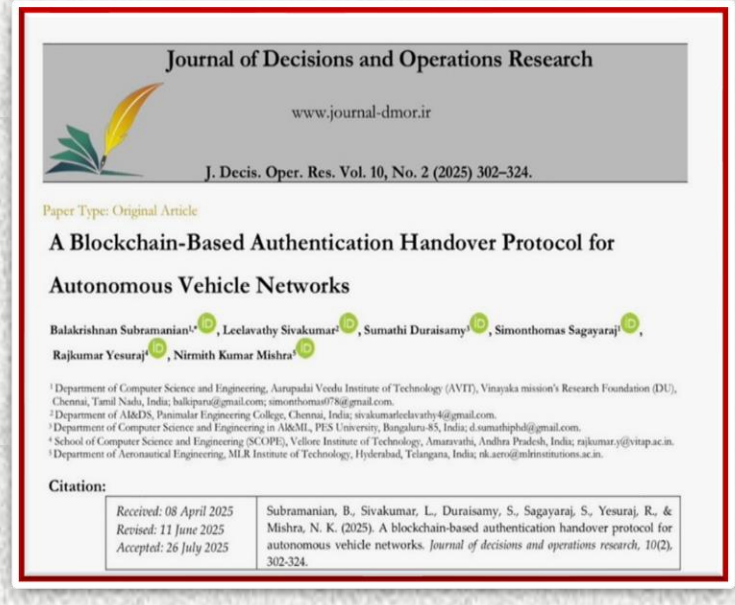
5th International Conference on Soft Computing for Security Applications (ICSCSA-2025) organised by Dhirajlal Gandhi College of Technology, Salem, Tamilnadu on 4th-6th August 2025.

N. Amutha Priya
Session Chair

Dr. R. Saravanan
Conference Chair

Dr. A. Selvaraj
Principal

Dr. S. Balakrishnan, Professor & Head and his research team published a paper titled "**A Blockchain-Based Authentication Handover Protocol for Autonomous Vehicle Networks**" in the Journal of Decisions and Operations Research (Vol. 10, No. 2, 2025, pp. 302–324).



Journal of Decisions and Operations Research

www.journal-dmor.ir

J. Decis. Oper. Res. Vol. 10, No. 2 (2025) 302–324.

Paper Type: Original Article

A Blockchain-Based Authentication Handover Protocol for Autonomous Vehicle Networks

Balakrishnan Subramanian[1,*], Leelavathy Sivakumar[2], Sumathi Duraisamy[3], Simonthomas Sagayaraj[4], Rajkumar Yesuraj[4], Nirmith Kumar Mishra[5]

[1] Department of Computer Science and Engineering, Aarupadai Veedu Institute of Technology (AVIT), Vinayaka mission's Research Foundation (DU), Chennai, Tamil Nadu, India; balkipuru@gmail.com; simonthomas078@gmail.com.
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[5] Department of Aeronautical Engineering, MLR Institute of Technology, Hyderabad, Telangana, India; nk.aero@mlrinstitutions.ac.in.

Citation:

Received: 08 April 2025 *Revised: 11 June 2025* *Accepted: 26 July 2025*	Subramanian, B., Sivakumar, L., Duraisamy, S., Sagayaraj, S., Yesuraj, R., & Mishra, N. K. (2025). A blockchain-based authentication handover protocol for autonomous vehicle networks. *Journal of decisions and operations research, 10*(2), 302-324.

Mr. S Simon Thomas, Assistant Professor presented his paper titled "**Intelligent Traffic Routing for Autonomous Vehicles Using Deep Learning"** at the ICSCSA-2025 International Conference, held at Dhirajlal Gandhi College of Technology, Salem, from 4th to 6th August 2025.

DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY

ICSCSA

SMC IEEE

CERTIFICATE OF PRESENTATION

This is to certify that

S Simonthomas

has sucessfully presented a paper entitled

Designing Intelligent Traffic Routing Systems for Autonomous Vehicles using the Deep Learning based Optimization Algorithm

at the

5th International Conference on Soft Computing for Security Applications (ICSCSA-2025) organised by Dhirajal Gandhi College of Technology, Salem, Tamilnadu on 4th-6th August 2025.

Session Chair

Dr. R. Saravanan
Conference Chair

Dr. A. Selvaraj
Principal

Dr. M. Rajesh, Associate Professor has published in Scientific Reports, titled "**Machine learning-driven framework for real-time air quality assessment and predictive environmental health risk mapping."** The study introduces an AI-based model for accurate air quality forecasting and health risk prediction.

scientific reports

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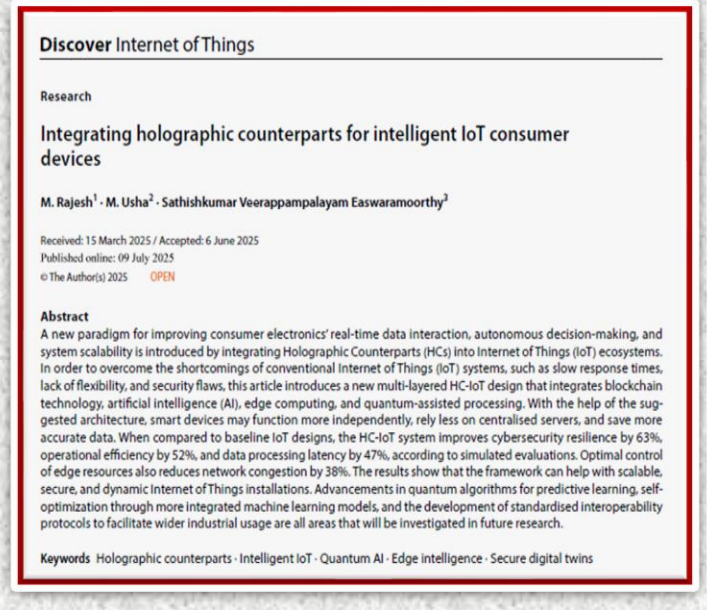
Machine learningdriven framework for realtime air quality assessment and predictive environmental health risk mapping

M. Rajesh[1], R. Ganesh Babu[2], Usha Moorthy[3] & Sathishkumar Veerappampalayam Easwaramoorthy[4]

This research introduces a practical and innovative approach for real-time air quality assessment and health risk prediction, focusing on urban, industrial, suburban, rural, and traffic-heavy environments. The framework integrates data from multiple sources, including fixed and mobile air quality sensors, meteorological inputs, satellite data, and localised demographic information. Using a combination of machine learning techniques such as Random Forest, Gradient Boosting, XGBoost, and Long Short-Term Memory (LSTM) networks the system predicts pollutant concentrations and classifies air quality levels with high temporal accuracy. Interpretability is achieved through SHAP analysis, which provides insight into the most influential environmental and demographic variables behind each prediction. A cloud-based architecture enables continuous data flow and live updates through a web dashboard and mobile alert system. Visual risk maps and health advisories are generated every five minutes to support timely decision-making. The framework not only forecasts pollution trends but also identifies vulnerable populations through spatial overlays. Future validation will include real-world sensor deployment and comparison with health impact records to ensure both scientific accuracy and community relevance.

Keywords Real-time air quality forecasting, Environmental health risk mapping, Machine learning in environmental monitoring, Spatial-temporal pollution modeling, Demographic vulnerability assessment

Dr. M. Rajesh, Associate Professor has published in Discover Internet of Things, titled "**Integrating holographic counterparts for intelligent IoT consumer devices.**" The paper introduces a novel HC-IoT framework that enhances scalability, security, and efficiency in IoT systems through holographic counterparts and advanced technologies.



Discover Internet of Things

Research

Integrating holographic counterparts for intelligent IoT consumer devices

M. Rajesh[1] · M. Usha[2] · Sathishkumar Veerappampalayam Easwaramoorthy[3]

Received: 15 March 2025 / Accepted: 6 June 2025
Published online: 09 July 2025
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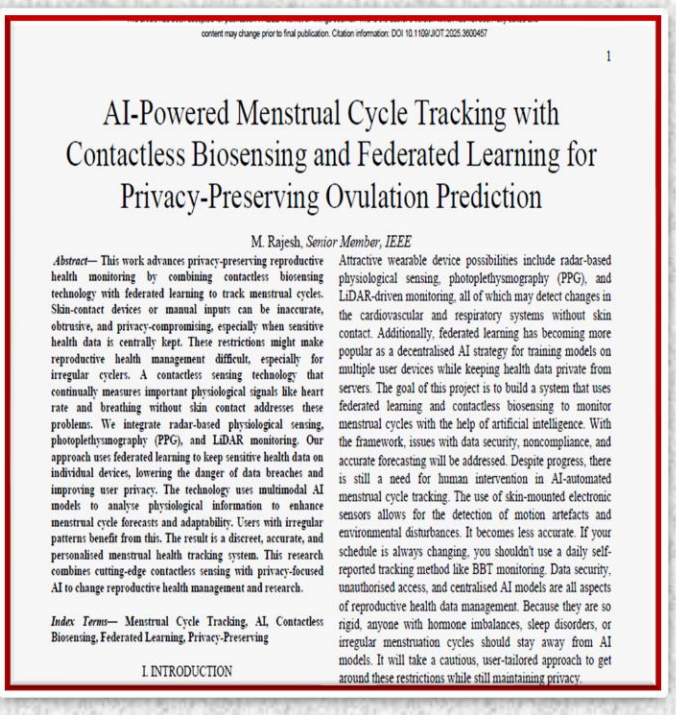
Abstract
A new paradigm for improving consumer electronics' real-time data interaction, autonomous decision-making, and system scalability is introduced by integrating Holographic Counterparts (HCs) into Internet of Things (IoT) ecosystems. In order to overcome the shortcomings of conventional Internet of Things (IoT) systems, such as slow response times, lack of flexibility, and security flaws, this article introduces a new multi-layered HC-IoT design that integrates blockchain technology, artificial intelligence (AI), edge computing, and quantum-assisted processing. With the help of the suggested architecture, smart devices may function more independently, rely less on centralised servers, and save more accurate data. When compared to baseline IoT designs, the HC-IoT system improves cybersecurity resilience by 63%, operational efficiency by 52%, and data processing latency by 47%, according to simulated evaluations. Optimal control of edge resources also reduces network congestion by 38%. The results show that the framework can help with scalable, secure, and dynamic Internet of Things installations. Advancements in quantum algorithms for predictive learning, self-optimization through more integrated machine learning models, and the development of standardised interoperability protocols to facilitate wider industrial usage are all areas that will be investigated in future research.

Keywords Holographic counterparts · Intelligent IoT · Quantum AI · Edge intelligence · Secure digital twins

Dr. M. Rajesh, **Associate Professor** has published a research article titled "**AI-Powered Menstrual Cycle Tracking with Contactless Biosensing and Federated Learning for Privacy-Preserving Ovulation Prediction**" in IEEE Internet of Things Journal. This work introduces a contactless biosensing approach combined with federated learning to enhance privacy and accuracy in reproductive health monitoring.



content may change prior to final publication. Citation information: DOI 10.1109/JIOT.2025.3600457

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AI-Powered Menstrual Cycle Tracking with Contactless Biosensing and Federated Learning for Privacy-Preserving Ovulation Prediction

M. Rajesh, *Senior Member, IEEE*

Abstract— This work advances privacy-preserving reproductive health monitoring by combining contactless biosensing technology with federated learning to track menstrual cycles. Skin-contact devices or manual inputs can be inaccurate, obtrusive, and privacy-compromising, especially when sensitive health data is centrally kept. These restrictions might make reproductive health management difficult, especially for irregular cyclers. A contactless sensing technology that continually measures important physiological signals like heart rate and breathing without skin contact addresses these problems. We integrate radar-based physiological sensing, photoplethysmography (PPG), and LiDAR monitoring. Our approach uses federated learning to keep sensitive health data on individual devices, lowering the danger of data breaches and improving user privacy. The technology uses multimodal AI models to analyse physiological information to enhance menstrual cycle forecasts and adaptability. Users with irregular patterns benefit from this. The result is a discreet, accurate, and personalised menstrual health tracking system. This research combines cutting-edge contactless sensing with privacy-focused AI to change reproductive health management and research.

Index Terms— Menstrual Cycle Tracking, AI, Contactless Biosensing, Federated Learning, Privacy-Preserving

I. INTRODUCTION

Attractive wearable device possibilities include radar-based physiological sensing, photoplethysmography (PPG), and LiDAR-driven monitoring, all of which may detect changes in the cardiovascular and respiratory systems without skin contact. Additionally, federated learning has becoming more popular as a decentralised AI strategy for training models on multiple user devices while keeping health data private from servers. The goal of this project is to build a system that uses federated learning and contactless biosensing to monitor menstrual cycles with the help of artificial intelligence. With the framework, issues with data security, noncompliance, and accurate forecasting will be addressed. Despite progress, there is still a need for human intervention in AI-automated menstrual cycle tracking. The use of skin-mounted electronic sensors allows for the detection of motion artefacts and environmental disturbances. It becomes less accurate. If your schedule is always changing, you shouldn't use a daily self-reported tracking method like BBT monitoring. Data security, unauthorised access, and centralised AI models are all aspects of reproductive health data management. Because they are so rigid, anyone with hormone imbalances, sleep disorders, or irregular menstruation cycles should stay away from AI models. It will take a cautious, user-tailored approach to get around these restrictions while still maintaining privacy.

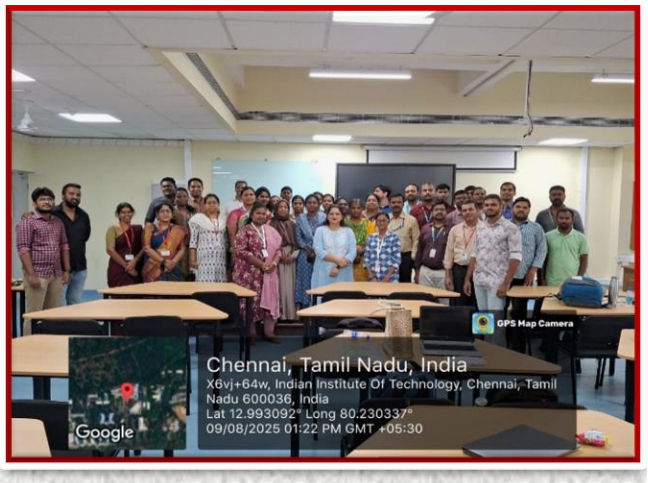
Certificate of Excellence

Dr. S. Balakrishnan, Professor & Head participated in Lens 180 (Entrepreneurship in 3 Minutes), a short video competition organized by the IEEE Region 10 Adhoc Committee on Entrepreneurship and Innovation. The event took place in July 2025, focusing on innovative entrepreneurial ideas presented concisely.

Dr. M Muthukumaran, Professor successfully participated in an 8-hour online IT training under the Google for Education - Higher Ed Program, conducted from July 21st to July 28th, 2025. The training was organized by Learning Links Foundation in partnership with Google for Education.

Dr. S. Pitchumani Angayarkanni, Professor successfully completed the *AI for All* program and attained the *AI Appreciate* stage on August 6th, 2025. The program was jointly initiated by Intel and Digital India under the guidance of the Central Board of Secondary Education (CBSE)

Dr. S. Pitchumani Angayarkanni, Professor & Ms. G Amudha, Assistant Professor attended the Faculty Development Programme (FDP) at the Walmart Centre for Tech Excellence on MANGO and Datapy. The session included an insightful hands-on demonstration and engaging discussions with Ms. Mala, AGM, WCTE, and her team.



Dr. S. Pitchumani Angayarkanni, Professor successfully participated in an 8-hour online IT training under the Google for Education - Higher Ed Program, conducted from July 21st to July 28th, 2025. The training was organized by Learning Links Foundation in partnership with Google for Education.

Dr. S. Poonguzhali , Professor successfully completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Design Thinking for HEI towards Education 5.0 at NEHRU COLLEGE OF MANAGEMENT from 18th to 23rd , August 2025.

Dr. K. Ramu, Professor successfully completed a 40-hour Faculty Development Programme on "QT-05 Quantum Computation", conducted from July 11th to August 2nd , 2025, and organized by the Electronics and ICT Academies.

Dr. M. Rajesh, **Associate professor** successfully participated in an 8-hour online IT training under the Google for Education - Higher Ed Program, conducted from July 21st to July 28th , 2025. The training was organized by Learning Links Foundation in partnership with Google for Education.

Ms. P. THARA, Assistant Professor successfully participated in an 8-hour online IT training under the Google for Education - Higher Ed Program, conducted from July 21st to July 28th , 2025. The training was organized by Learning Links Foundation in partnership with Google for Education.

Ms. J Priyadharshini, Assistant Professor successfully participated in an 8-hour online IT training under the Google for Education - Higher Ed Program, conducted from July 21st to July 28th, 2025. The training was organized by Learning Links Foundation in partnership with Google for Education.

Ms. J Priyadharshini, Assistant Professor successfully completed a Six-Day Faculty Development Program titled "Bio-Inspired Computing and Intelligent Optimization: Bridging Nature and AI", organized by the Department of Information Technology, Sri Sairam Institute of Technology, from 21st to 26th July 2025.

Mr. Kishore Kuppuswamy, Professor of Practice successfully participated in an 8-hour online IT training under the Google for Education - Higher Ed Program, conducted from July 21st to July 28th, 2025. The training was organized by Learning Links Foundation in partnership with Google for Education.

Mrs. P Thara, Assistant Professor completed a Faculty Development Program on **"Generative AI"**, held from **4th to 8th August 2025**. The FDP was organized by **Brainovision Solutions Pvt. Ltd.** in collaboration with **AICTE** and hosted by **Sri Sairam Engineering College**,

Dr. N. Sarika, Associate Professor actively participated in a National Level FDP on **"Empowering Research Excellence: Tools, Writing and Publications"** on **2nd August 2025**. The program was organized by the Department of Computer Applications, **Dr. M.G.R. Educational and Research Institute**, Chennai.

“Artificial intelligence is the science of making machines do things that would require intelligence if done by men.”

– Marvin Minsky (AI Pioneer)