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INSTITUTE OF SCIENCE & TECHNOLOGY
TIST
Arakkunnam P.O | Mulanthuruthy | Ernakulam | Kerala

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AICTE-VAANI Sponsored Three Day Workshop

on

GEN AI AND DATA SCIENCE: SHAPING THE LANGUAGE OF TOMORROW'S WORLD

Emerging Field: Artificial Intelligence and Data Science

in

Malayalam

📅 26th – 28th November 2025

Sponsored by

All India Council for Technical Education, New Delhi

Organised by

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
Toc H Institute of Science & Technology,
Arakkunnam, Ernakulam, Kerala, India, Pin: 682 313
Tel: (+91 484) 2748388, 2749600, 2738126
aictevaani@tistcochin.edu.in

Coordinator
Dr. Sreela Sreedhar
Associate Professor and Head, CSE
Mob: +91 98477 49701

Co-Coordinator
Dr. Sajith P J
Associate Professor, CSE
Mob: +91 85472 35800

AICTE – VAANI

AICTE is committed to the development of quality technical education in the country by initiating various schemes launched by Govt. of India. **AICTE-Vibrant Advocacy for Advancement and Nurturing of Indian Languages (VAANI)** scheme promotes Indian languages among faculty members and students to improve the teaching-learning process. The AICTE-VAANI scheme will help in creating knowledge base in local language and will encourage creation of a treasure of latest technical knowledge incorporating the newest developments in regional languages. The scheme will also promote promotion of the research papers in the regional languages and further enhance the collaboration between Institutions and Industry.

About the Institution

Toc H Institute of Science and Technology established in 2002, is one of the much sought after professional institutions in Kerala, attracting extremely talented management & engineering students across the nation. The institute is approved by All India Council for Technical Education (AICTE), New Delhi and Government of Kerala, and is affiliated to APJ Abdul Kalam Technological University. The Institute is accredited by NAAC (National Assessment and Accreditation Council) with NBA (National Board of Accreditation) accredited programs (Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering and Safety & Fire Engineering) and ISO 9001:2015 Certification which ensure top-quality learning environment. The institute also offers B. Tech Programs in Robotics & Automation Engineering, Electrical & Computer Engineering, Electrical & Electronics Engineering and Information Technology, M. Tech Programs in Construction Engineering & Management, Data Sciences and Master of Business Administration.

About the Department

The Department of Computer Science and Engineering, since its inception in 2002, imparts quality education in the field of B.Tech Computer Science and Engineering, keeping in mind the requirements of the dynamic, innovative and highly global environment of the present era. The department also offers M.Tech in Data Sciences (Regular & Working professionals), since 2020, which is one of the most sought after courses globally. The Department has excellent infrastructure facilities with advanced computer laboratories, full-fledged smart classrooms and library. The Department offers progressive teaching-learning environment through a team of competent and committed faculty members, experienced in both teaching and industry and are engaged in cutting-edge research like Artificial Intelligence, Internet of Things, Blockchain etc.

About the Workshop

In today's rapidly evolving digital landscape, Generative AI stands at the forefront of innovation, revolutionizing how we communicate, learn, and solve problems across industries. The AICTE VAANI-sponsored workshop "Gen AI and Data Science: Shaping the Language of Tomorrow's World" is a unique initiative that explores the confluence of AI, data science, and language technologies, with a strong emphasis on promoting regional languages in technical education. Conducted in Malayalam, the workshop underscores the importance of making cutting-edge technologies accessible to a wider audience by embracing native languages. Participants will journey through the evolution from classical machine learning to deep learning and Generative AI, gain exposure to NLP for Indian languages, the Bhashini platform, and AI applications relevant to Kerala. Sessions will also cover data-driven storytelling, the use of Gen AI in academia and research, and tools that enable inclusive technological growth. This initiative aims to empower educators, students, and researchers to shape a future where technology speaks every tongue.

Objectives

- Introduce participants to the fundamentals and advancements in Data Science and Generative AI.
- Promote the use of regional language (Malayalam) in understanding and applying AI, NLP and Data Science concepts.
- Demonstrate real-world applications of Gen AI in education, research, and regional development.

Expected Outcomes

The expected outcomes of this Workshop are:

- Participants will gain a strong foundational understanding of Data Science, Machine Learning, and Generative AI concepts.
- They will learn to apply AI tools effectively through Malayalam, enhancing accessibility and engagement.
- Participants will gain awareness of NLP applications for Indian languages, including practical use of platforms like Bhashini.
- Participants will explore AI's real-world use in Kerala's governance, healthcare, and agriculture, and be equipped to integrate Gen AI into education, research, and regional development.

Resource Persons

- Mr. Ajith Nambiaruveettil, Senior Manager, Technology Consulting, EY GDS, Kochi
- Mr. Sherry Thomas, Director of IoT Solutions, Gadgeon Smart Systems Pvt. Ltd., Kochi
- Mr. Saleem P O, Founder & CEO, Lifosys Digital Systems, Cyberpark, Kozhikode
- Dr. Shailesh Sivan, Assistant Professor, Cochin University of Science and Technology, Kochi
- Dr. Rajeev R R, Program Head, ICFOSS, Thiruvananthapuram
- Dr. Shibu Kumar K B, Associate Professor, Rajiv Gandhi Institute of Technology, Kottayam
- Mr. Jacob Jose Chemmankuzha, Technical Instructor, NJC Labs, Kochi
- Mr. Navaneeth S, Research Associate, ICFOSS, Thiruvananthapuram
- Prof. Dr. N Vishwanath, Professor, Toc H Institute of Science and Technology, Ernakulam

Eligibility & Registration Process

☞ This offline Workshop is open to faculty members, research fellows, PG students from AICTE approved institutions and working professionals from industry.

☞ Intended Participants must register in the ATAL Portal. (https://atalacademy.aicte.gov.in/login) with your credentials. Choose FDP from the left menu. Select FDP Type: VAANI, Select Month: November, Choose the FDP title and register.

☞ Participants will be selected on a first come first serve basis.

☞ Free registration for all participants.

Organizing Committee

Patrons

Mr. Kurian Thomas
Manager, Toc H Group of Institutions

Er. C S Varghese
President, Toc H Group of Institutions

Mr. Madhu Cherian
Secretary, Toc H Group of Institutions

Mr. N. J. Johnson
Treasurer, Toc H Group of Institutions

Convenor

Prof. (Dr.) Preethi Thekkath
Principal, TIST

Coordinator

Dr. Sreela Sreedhar
Associate Professor and Head, CSE
Mob: +91 98477 49701
Email: sreela@tistcochin.edu.in

Co-Coordinator

Dr. Sajith P J
Associate Professor, CSE
Mob: +91 8547235800
Email: sajithpj@tistcochin.edu.in

Members

Ms. Elsaba Jacob
Associate Professor, CSE

Ms. Ashly Joseph
Assistant Professor, CSE

Ms. Mima Manual
Assistant Professor, CSE

Ms. Chintu P Chacko
Assistant Professor, CSE

Mr. Sharath P Raju
Assistant Professor, CSE

Ms. Sonu Kuriakose
Assistant Professor, CSE

Ms. Divya K B
Assistant Professor, CSE

Ms. Arathi K Chandran
Assistant Professor, CSE

Ms. Saira Shamsudheen K S
Assistant Professor, CSE

Correspondence Details:

Dr. Sajith P J
Associate Professor, CSE
Mob: +91 85472 35800

Mr. Sharath P Raju
Assistant Professor
Mob: +91 99613 81726

Scheduled Dates: 26, 27, 28 November 2025

Day	Morning Session		Afternoon Session
26/11/25 Wednesday	**Session I** 9:30 am – 11:00 am **Mr. Ajith Nambiaruveettil** Senior Manager, Technology Consulting, EY GDS, Kochi *Topic: The AI/ DS Revolution*	**Session II** 11:00 am – 12:30 pm **Mr. Sherry Thomas,** Director of IoT Solutions, Gadgeon Smart Systems Pvt. Ltd., Kochi *Topic: From Classical ML to Generative AI*	**Session III** 1:30 pm – 4:00 pm **Mr. Saleem P O,** Founder & CEO, Lifosys Digital Systems, Cyberpark, Kozhikode *Topic: Data is the New Oil – But Only After Refinement*
27/11/25 Thursday	**Session IV** 9:00 am – 10:30 am **Dr. Shailesh Sivan,** Assistant Professor, Cochin University of Science and Technology, Kochi *Topic: Deep Learning & GenAI in Action*(Hands-on Session)	**Session V** 10:30 am – 12:30 pm **Dr. Rajeev R R,** Program Head, ICFOSS, Thiruvananthapuram *Topic: NLP for Indian Languages – Bhashini & Beyond*	**Session VI** 1:30 pm – 4:00 pm **Mr. Navaneeth S,** Research Associate, ICFOSS, Thiruvananthapuram *Topic: GenAI for Educators & Researchers – Write, Translate, Create!* (Hands-on Session)
28/11/25 Friday	**Session VII** 9:00 am – 10:30 am **Mr. Jacob Jose Chemmankuzha,** Technical Instructor, NJC Labs, Kochi *Topic: Visualizing Stories with Data + AI* (Hands-on Session)	**Session VIII** 11:00 am – 12:30 pm **Dr. Shibu Kumar K B,** Associate Professor, Rajiv Gandhi Institute of Technology, Kottayam *Topic: AI for Kerala – Real Use Cases in Governance, Health, Agriculture*	**Session IX** 1:30 pm – 3:30 pm **Prof. Dr. N Vishwanath,** Professor, Toc H Institute of Scicence & Technology, Ernakulam *Topic: Build a Micro AI Project (Group Activity)* (Hands-on Session)