Head of the Department

Prof. (Dr.) Madhu S. Nair
Professor

Organizing Committee

- **Prof. (Dr.) G. Santhosh Kumar**
  Professor
- **Prof. (Dr.) Philip Samuel**
  Professor
- **Dr. Bijoy A. Jose**
  Associate Professor
- **Dr. Jereesh A. S.**
  Assistant Professor
- **Dr. Jeena Kleenankandy**
  Assistant Professor
- **Dr. Ajees A. P.**
  Assistant Professor
- **Dr.Remya K Sasi**
  Assistant Professor

Patron

Prof. (Dr.) P.G.SANKARAN
Vice Chancellor
Cochin University of Science and Technology

Advisory Committee

Dr. Meera V.
Registrar
Cochin University of Science and Technology

Coordinator

Dr. Shailesh S.
Assistant Professor
Department of Computer Science
Cochin University of Science and Technology
Ph : +91 89072 30664
Email : shaileshsivan@cusat.ac.in

Eligibility

- UG Students
- PG Students
- PHD scholars

Resource Persons

Eminent personalities from academia and industries

Address for Correspondence

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Department of Computer Science
Kochi – 682022

Email: fsmlwo@gmail.com
Phone: +91 8907230664 , 0484-2862301

THREE DAY WORKSHOP
ON
FULL STACK MACHINE LEARNING

04-06 April, 2024

Organized by

**Department of Computer Science
Cochin University of Science and Technology
Cochin - 682022 Kerala**

CUSAT

Cochin University of Science and Technology (CUSAT) was established in 1971, emphasizing post-graduate studies and research in applied science, industry, and commerce. Since then, it's excelling in research and academic activities, solving significant societal, scientific, and engineering problems. Its vision is to strive for excellence, be competitive in technical education globally, and focus on knowledge assimilation, generation, and dissemination. In its pursuit of international excellence, CUSAT has established academic links with various Universities in India and abroad. The main campus is nearly 1 km off NH 544 (Old NH 47) in South Kalamassery. CUSAT is accredited with an A grade by NAAC and is consistently placed amongst the top universities in India.

Department of Computer Science

The Department of Computer Science came into existence in 1984 with an M.Tech Course in Computer and Information Science, which was the first in Kerala. In 1986, the Department was identified by the Defence Research and Development Organisation for conducting an M.Sc. program in Computer Software as a feeder course to the DRDO Laboratories. The Department served as a seeding agent for establishing the Computer Centre, which was inaugurated by the Prime Minister in 1990.

The department was entrusted with conducting the MCA program in June 1994, which helped streamline the course and set it on the right track. Currently, the department runs M.Tech programs in various specializations, a Five-year Integrated M.Sc. course, and Ph.D. Active research involves Artificial Intelligence, Computer Vision, Networking, Information Systems Engineering, etc. To date, the department has produced around 40 Ph.D. holders.

Objectives

1. Understanding the basics of Data engineering.
2. Learn techniques for data scraping and data storage
3. Understand Low code ML Techniques
4. Understand ML and DL algorithms
6. Understanding how to build machine learning models
7. Learning how to deploy ML models.
8. Knowledge of specific ML tools .
9. Hands on Experience using web app and web server implementing above

Registration

The registration is free of cost. Refreshments and Lunch will be arranged for registered participants.

1. Registration: To participate in the event, interested individuals must register through the provided registration link.

2. Selection: Selected participants will be notified via email on or before **31 March**, and they will be required to confirm their participation by completing a confirmation form before **2 April**. Please note that failure to complete the confirmation form by the specified deadline may result in the cancellation of your spot.

3. Confirmation: Once the registration is complete, participants will receive a final confirmation email containing all the necessary event details. Please keep this confirmation email safe and accessible, as it will be required for all future communication regarding the event.

Certificate

The soft copy of the certificate will provided later upon the feedback and the attendence.

Venue

Venue: **Department of Computer Science, Cochin University of Science and Technology**

Date: **04-06 April, 2024**

Time: **09:30 AM - 4:30 PM**

Learning Content

Day-1

- Inaugural Function
- Discussion on preliminary set ups for workshop
- GitHub
- Data scraping and storage
- Data Engineering

Day-2

- Machine Learning Algorithms
- Hands on " Building Machine Learning Models"
- Deep Learning Algorithms
- Hands on " Exploring Deep Learning"

Day-3

- Web App and Web Server
- Cloud deployment
- Security in AI / ML space
- Valedictory

Nearby Tourist Places

- Fort Kochi: A historic neighborhood with Portuguese and Dutch influences, famous for its Chinese fishing nets and colonial-era architecture.
- Hill Palace: A former royal palace in Tripunithura, converted into a museum showcasing Kerala's rich cultural heritage.
- Cherai Beach: A picturesque beach located about 20 kilometers from Kalamassery, known for its golden sands and serene atmosphere.
- Athirapally Falls: A scenic waterfall about 55 kilometers from Kalamassery, a popular spot for nature lovers and adventure enthusiasts.
- Wonderla Amusement Park: A famous amusement park located about 18 kilometers from Kalamassery, which features a variety of thrilling rides and attractions.
- Marine Drive: A scenic promenade in the heart of Kochi offers stunning views of the backwaters and the city skyline.
- Mattancherry Palace: A historical palace located in the Mattancherry neighborhood of Kochi, which features exquisite murals and artworks.
- Bolgatty Palace: A beautiful palace on Bolgatty Island, which has been converted into a heritage hotel and features stunning views of the backwaters.