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Vice-Chancellor, CUSAT

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Head of the Department
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DCA, CUSAT

Dr. Rafidha Rehiman K. A.
Assistant Professor,
DCA, CUSAT

REGISTRATION DETAILS

Registration Fee : 590/- (Including 18% GST)
Account Name : Head Department of
Computer Applications

Account Number : 67216724749

IFSC : SBIN0070235

Participants will be selected on a first come first serve basis and selected candidates will be intimated through email.

For more details visit
https://dca.cusat.ac.in/bigdataworkshop
Register at the link below:

https://forms.gle/aKQa78Dro9Fqj1th8

ADDRESS FOR CORRESPONDENCE

Department of Computer Applications,
Cochin University of Science and Technology,
Kochi -22, Kerala 682022
E-mail: dcacusatworkshop2021@gmail.com
Phone: +9194968 23295, +9183308 65067

DST PURSE - II SPONSORED

FIVE DAY ONLINE WORKSHOP ON BIG DATA CONCEPTS, TOOLS & TECHNIQUES
(Hands-on Using Apache Spark)

29 NOV – 03 DEC 2021

ORGANIZED BY
DATA SCIENCE LAB
DEPARTMENT OF COMPUTER APPLICATIONS
CUSAT

ABOUT CUSAT

Cochin University of Science and Technology (CUSAT) was established in 1971 with an emphasis on post-graduate studies and research in applied science, industry, and commerce. Since then, it is excelling in research and academic activities solving significant societal, science, and engineering problems. Its vision is to strive for excellence, be competitive in technical education on a global basis 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. CUSAT is accredited by National Assessment and Accreditation Council, India and is consistently placed amongst the top universities in NIRF ranking.

Department of Computer Applications

The Department of Computer Applications is a pioneer department of the Cochin University of Science and Technology established in the year 1994. Currently, the department offers MCA (Master of Computer Application), M.Sc Computer Science with Specialization in Artificial Intelligence, M.Sc Computer Science with Specialization in Data Science, Ph.D. in Technology, and Ph.D. in Science. The department is bestowed with an experienced team of faculty members with an excellent academic track record and proficiency in data science, machine learning, and cybersecurity. In the last five years, the department has more than a hundred publications in reputed peer-reviewed journals and conferences. Also, the faculty has more than one crore worth of funded projects.

RESOURCE PERSONS

Prof. (Dr.) Akka Zemmari
University of Bordeaux, France

Prof. (Dr.) Ponnurangam Kumaraguru
IIIT Hyderabad

Dr. Namita Mittal
Associate Professor, MNIT Jaipur

Dr. Yamuna Prasad
Assistant Professor, IIT Jammu

Dr. Manasi Gyanchandani
Assistant Professor, MANIT Bhopal

Dr. Preeti Mishra
Assistant Professor, Doon University Dehradun

Dr. Ebin Deni Raj
Assistant Professor, IIIT Kottayam

Dr. Anoop V. S.
Senior Scientist, IIITM-K, Trivandrum

Dr. Shailesh S.
Assistant Professor, DCS, CUSAT

Mr. Jeethu Joseph
Enterprise Architect, TCS, Kochi

Mr. Ramesh R.
Lead, Trenser Technology Solutions, Trivandrum

OBJECTIVES

This workshop aims to provide a platform to exchange fundamental information concerning Big data concepts, tools and techniques to the faculty members, research scholars, and PG students from Universities and Colleges.

ABOUT THE WORKSHOP

Big data is changing the world with its advanced analytical capabilities. The world's data collection is growing dramatically with our day-to-day internet usage. It comes to a breaking point for significant technological changes that can bring new decision-making strategies, handling health, finance, education, agriculture, banking, marketing, cloud computing, etc. The inconvenient volume of data constitutes a sudden challenge to conventional computing domains and requires scalable storage and a distributed method for data querying and analysis. This workshop has been designed for diving deeper into Big data technologies along with hands-on sessions on the concepts and tools used in Big data analytics.

PREREQUISITES

Basics of Python and Machine learning

WHO CAN ATTEND

Scientists/ Research Scholars/ Academicians/ Tech-enthusiasts/ PG Students keen to learn and adopt Big Data tools.

TOPICS

- Tools and techniques for big data analytics
- Machine learning for big data analytics
- NoSQL databases
- Handling big data streams
- Visualization techniques for big data analytics
- Bigdata and security
- Blockchain and big data
- Cloud based big data frameworks
- Hands-on using pyspark, Kafka, Cassandra, Hive
- Applications of big data