



A THREE-DAY NATIONAL LEVEL WORKSHOP

ON "DATA SCIENCE & MACHINE LEARNING"

18th to 20th OCTOBER 2023
ONLINE MODE



Jointly organized by

Dept. of Computer Science and Engg,

&

IEEE MADRAS SECTION



About Us

INSTITUTION

Kings College of Engineering (KCE) was born out of a dream and vision to provide education with unparalleled quality to the young and enthusiastic students of our nation. The college is approved by AICTE, New Delhi and affiliated to Anna University, Chennai and accredited by NAAC. The drives from our management and dedication of the faculty have seen KCE to rise to the status as one of the most prestigious institutions in this part of the country.

KCE, run by Raj Educational Trust (RET), Chennai, is a fast-growing technical institution in the state of Tamil Nādu with a great promise to cater the educational demands of engineering aspirants in the delta region from 2001. Our institution offers six UG programmes namely, CIVIL, CSE, AI&DS, ECE, EEE and Mechanical Engineering and four PG programmes namely CSE, VLSI Design, PED and Thermal Engineering. Department of ECE and Mechanical Engineering are having approved research centers for pursuing research (Ph.D) under Anna University.

DEPARTMENT

The Department of Computer Science and Engineering since its inception in the year 2001 offers programme keeping in pace with the technological advancements. The Department offers a Post Graduate course in M.E – CSE. The state-of-the-art computer center has over 300 computers with 100 MBps internet connectivity. The department has highly qualified and experienced faculty members to offer both class room teaching and practical instructions.



About the Workshop

The Data Science & Machine Learning workshop is designed to comprehensively cover data analytics, machine learning algorithms, and their practical applications. We incorporate hands-on exercises and real-world examples to ensure participants acquire valuable practical skills. By the workshop's conclusion, attendees will have the capability to perform statistical analysis for data science and adeptly apply data visualization techniques. Our primary goal is to foster the development of evaluation methodologies among all participants, leading to an enhanced focus on research aspects within the group.

COURSE CONTENT

- Introduction of Python with statics working with NumPy and Pandas
- Ways to explore, monitor and to explain in the concepts of Data Visualization.
- Procedures and heuristics for Machine Language algorithms.
- Discuss various goals of Data Science
- Workout through Python language
- Hands-on Session on data Science.

COURSE OUTCOMES

- Deeper understanding of data analytics techniques.
- Understand how to evaluate models generated from data.
- Demonstrate competency in data analytics.
- Data Visualization makes easier to identify the patterns, trends and outliers.

RESOURCE PERSON

1. Dr. Lakshmi Krishnamurthy

Professor/ CSE

College of Engineering Karunagapally,
Kerala

2. Dr. M. Brindha,

Associate Professor,

National Institute of Technology,
Tiruchirappalli.

3. Dr. S. Kanimozhi

Assistant Professor / CSE

Vellore Institute of Technology,
Chennai.

4. Mr. S. Ramprakash

Corporate Trainer related to Data
Science, Data Analytics

Teaching Fellow, UCE, Thirukkuvalai.

5. Mr. K. M. Arivu Chelvan

Software Architect,

E K Software Solutions, Thanjavur.

6. Mr. S. Dinesh Dhanabalan

Assistant Professor / AI&DS,

Arifa Institute of Technology, Easanoor.

REGISTRATION LINK

Online registration can be done through Google
forms link:

<https://tinyurl.com/32n6ewkv>

Payment Account Details

Account Name:

Kings College of Engineering - IEEE Student
Branch

Account Type: SB

Account No.: 136401000021966

IFSC Code: IOBA0001364

Branch: North Main Street, Thanjavur



PARTICIPATION FEES

Diploma : Rs.100/-

UG : Rs.150/-

Faculty : Rs.200/-

IEEE Members : Rs.75/-

Spot registration is also permitted.

IMPORTANT DATES

Last date for Registration: 15.10.2023

ORGANIZING COMMITTEE

Chief Patron

Dr. R. Rajendran,

Secretary

Patron

Dr. J. Arputha Vijaya Selvi,

Principal.

Co- Patron

Dr. S. Sivakumar,

Vice Principal.

Convener

Dr. K. Abhirami, AP / CSE

Ms. S. Abikayil Aarthi, AP / CSE

Faculty Coordinators

Ms. B. Bavithra, AP/ CSE

Ms. R. Abinaya, AP/ CSE

Student Coordinators

Mr. S. Ajay, IV year, CSE

Mr. S. Rahul, III year, CSE

FOR COMMUNICATION

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