



ACADEMIC YEAR 2023-2024 (ODD SEMESTER)

IEEE MADRAS SECTION SPONSORED

THREE DAY WORKSHOP

On

“Data Science and Machine Learning”

18.10.2023 - 20.10.2023

REPORT

Department of Computer Science Engineering of Kings College of Engineering in association with IEEE MADRAS SECTION organized Three day - Workshop on “Data Science and Machine Learning” during 18.10.2023 - 20.10.2023

Objective:

This workshop aims to equip participants with in-depth knowledge and hands-on expertise in Data Science and Machine Learning. By fostering understanding, enhancing practical skills, and encouraging collaboration, we prepare attendees to tackle real-world challenges in diverse industries. Our goal is to empower participants with the versatility and innovation required to excel in the dynamic fields of Data Science and Machine Learning.

Resource Persons:

Dr.K.Lakshmi, Professor, Sri Manakula Vinayagar Engineering College, Puducherry

Mr.K.M.Arivu Chelvan, S/w Architect, E.K software solutions, Thanjavur.

Dr.M.Brindha, Asst Professor, NIT, Trichy.

Dr.S.Kanimozhi, Asst Professor, VIT, Chennai.

Mr.S.Ramprakash, Teaching Fellow, UCE, Thirukkuvalai.

Mr.S.Dinesh Dhanabalan, Asst Professor, Arifa Institute of Technology, Esanoor.

Convener

Dr.K.Abhirami, HOD(i/c)/CSE, Kings College of Engineering.

Ms.S.Abikayil Aarthi, AP/CSE, Kings College of Engineering.

Coordinators

Mrs.B.Bavithira, AP / CSE, Kings College of Engineering.

Ms.K.Abinaya, AP / CSE, Kings College of Engineering.

Programme Type: Workshop

Inaugural Session:

Welcome address by Dr.K.Abhirami, HOD(i/c)/CSE

Presidential address by Dr.J.Arputha Vijaya Selvi, Principal & SBC, IEEE - STB

Overview:

Day 1 commenced with Dr. K. Lakshmi's insightful session on Python programming and foundational statistics, followed by Mr. K.M. Arivu Chelvan's expertise in NumPy and Pandas. Day 2 brought a deep dive into data visualization by Dr. M. Brindha and statistical analysis tailored for data by Dr. S. Kanimozhi. The workshop culminated on Day 3 with Mr. S. Ramprakash showcasing real-world data science applications, followed by Mr. S. Dinesh Dhanabalan's interactive hands-on workshop. Participants not only gained theoretical knowledge but also honed their practical skills, empowering them to tackle real-world challenges in the ever-evolving fields of data science and machine learning. We extend our heartfelt gratitude to our esteemed speakers and enthusiastic participants for making this workshop a resounding success.

Benefits in terms of Learning / Skills / Knowledge obtained:

- Enhanced Skills in Data Science and Machine Learning.
- Hands-on Practice with Real-world Data Projects.
- Expert Guidance from Industry-leading Professionals.
- Valuable Networking Opportunities with Peers and Experts.
- Career-Ready Skills for Competitive Job Market.

Workshop Summary

The Overall Summary was dictated by Ms.S.Abikayil Aarthi, IEEE SB Secretary,Convenor

Valedictory Function:

The feedback Analysis from the participants were collected.

Vote of Thanks was given by Ms.B.Bavithra AP/CSE, Kings College of Engineering.

Agenda:



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

IEEE Madras Section sponsored

Three Days National Level Workshop on

"Data Science & Machine Learning "

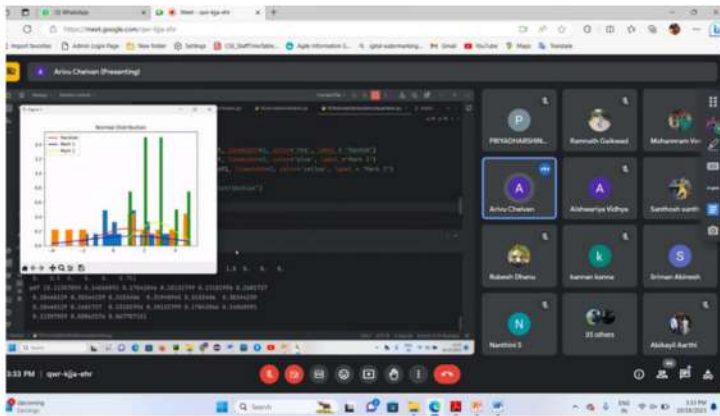
AGENDA

DAY - 1 (18.10.2023)	
Timing	Programme Details
10.15 a.m. - 10.20 a.m.	Welcome Address by Dr. K. Abhirami, HoD(i/c)/CSE
10.20 a.m. - 10.25 a.m.	Presidential Address by Dr. J. Arputha Vijaya Selvi, Principal & SBC, IEEE STB , KCE
10.25 a.m. - 10.30 a.m.	Introduction to Resource Person by Ms. S. Abikayil Aarthi, AP/ CSE & Secretary IEEE- STB
10.30 a.m. - 12.00 p.m.	Session 1 - Dr. K. Lakshmi, Professor, SMVEC, Pondicherry
12.00 p.m. - 12.05 p.m.	Vote of Thanks by Mr. Nithesh, IV / CSE
2.00 p.m. - 2.05 p.m.	Introduction to Resource Person by Ms. B. Bavithra, AP/ CSE
2.05 p.m. - 3.30 p.m.	Session 2 - Mr. K. Arivu Chelvan, Software Analyst E K Software solutions, Thanjavur
3.30 p.m. - 3.35 p.m.	Vote of Thanks by Ms. K. Abinaya, AP/CSE

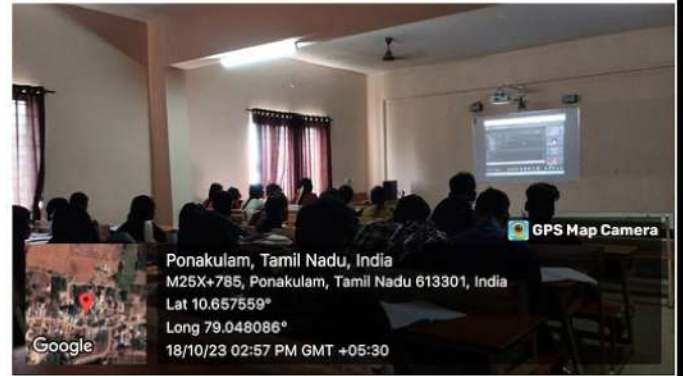
DAY - 2 (19.10.2023)	
Timing	Programme Details
10.25 a.m. - 10.30 a.m.	Introduction to Resource Person by Ms. B. Bavithra, AP/ CSE
10.30 a.m. - 12.00 p.m.	Session 1 - Dr. M. Brindha, Asst. Professor/CSE, NIT, Trichy
12.00 p.m. - 12.05 p.m.	Vote of Thanks by Mr. Nithesh, IV / CSE
2.00 p.m. - 2.05 p.m.	Introduction to Resource Person by Ms. K. Abinaya , AP/ CSE
2.05 p.m. - 3.30 p.m.	Session 2 - Dr. S. Kanimozhi, Asst. Professor, VIT, Chennai
3.30 p.m. - 3.35 p.m.	Vote of Thanks by Mr. Rahul, III / CSE

DAY - 3 (20.10.2023)	
Timing	Programme Details
10.25 a.m. - 10.30 a.m.	Introduction to Resource Person by Mr. Rahul, III/ CSE
10.30 a.m. - 12.00 p.m.	Session 1 - Mr. S. Ramprakash, Teaching Fellow, Thirukkuvilai
12.00 p.m. - 12.05 p.m.	Vote of Thanks by Mr. Nithesh, IV / CSE
2.00 p.m. - 2.05 p.m.	Introduction to Resource Person by Ms. K. Abinaya , AP/ CSE
2.05 p.m. - 3.30 p.m.	Session 2 - Mr. S. Dinesh Dhanabalan, Asst. Professor, Arifa Institute of Technology, Easanoor.
3.30 p.m. - 3.40 p.m.	Feedback Session
3.40 p.m. - 3.45 p.m.	Workshop Summary - Ms. S. Abikayil Aarthi, AP/ CSE & Secretary IEEE- STB
3.45 p.m. - 3.50 p.m.	Vote of Thanks by Ms. B. Bavithra, III / CSE

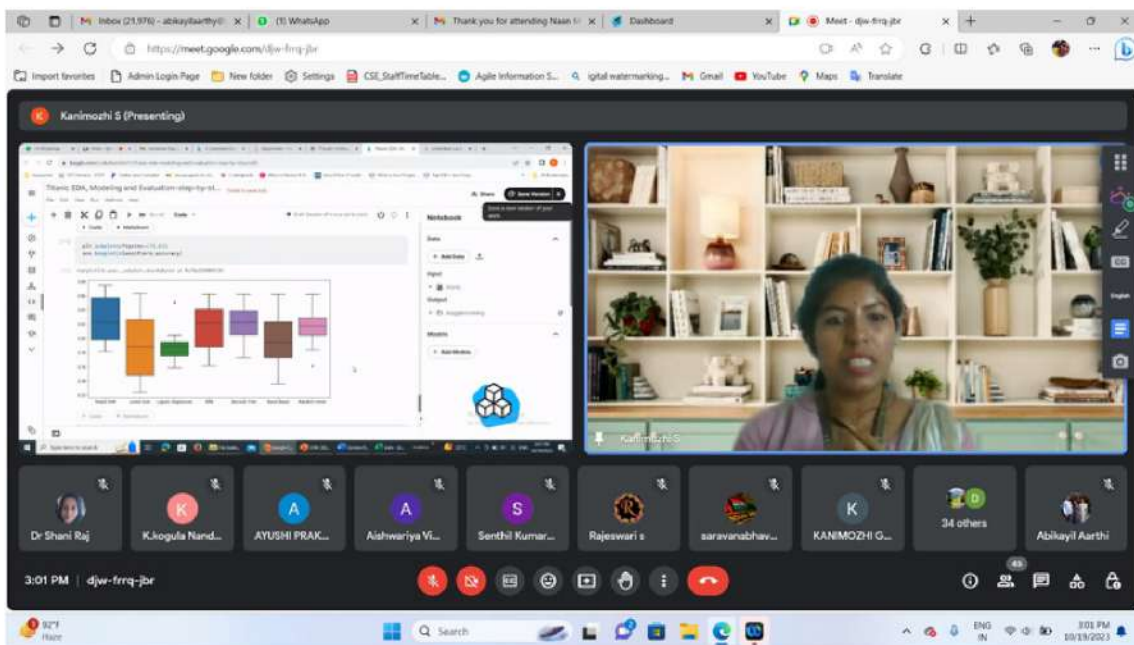
Event Photographs:



Hands-on Session



Explanation part in session



Discussion of Resource Person with participants



Certificate Distribution

Innagural photos:



Vote of Thanks:



Feedback session:



Feedback given by R. SrimanAbinesh , (AI & ML) student Paavai Engineering college , Pollachi

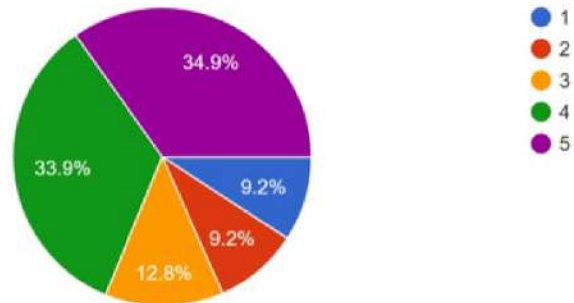


Certificate Distribution for External Participants

Feedback:

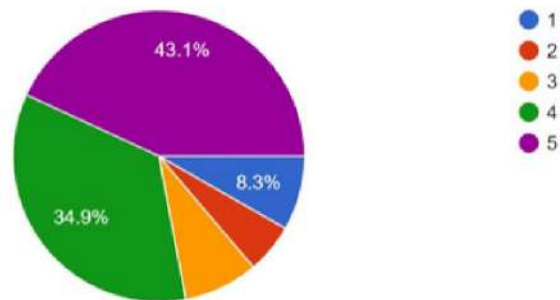
Video quality

109 responses



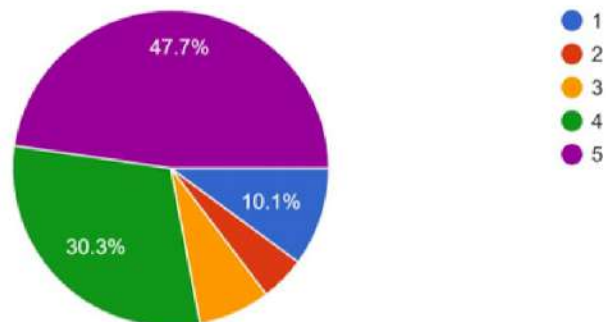
Is the session useful? Rate the session

109 responses



Content in the session useful? Rate the session

109 responses



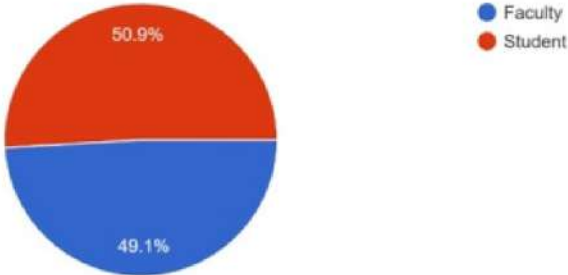
Participation details:

For our workshop Participants from various States had Participated

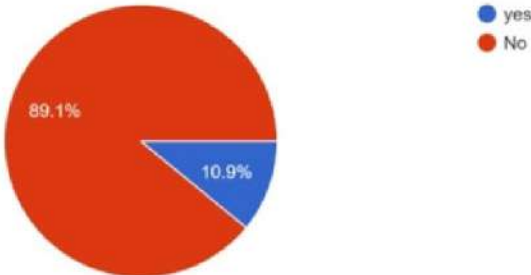
1. GNA University, Punjab
2. Sri Venkateshwara College of Engineering, Andrapradesh
3. College of Engineering Karunagappalli, Kollam
4. College of Engineering Chengannur, Alappuzha
5. Saveetha College of Engineering, Chennai
6. Center for differently abled persons - Bharathidasan University
7. Paavai College of Engineering, Naamakkal
8. Sri Manakula Vinayagar Engineering College, Puducheerry
9. Sengunthar Engineering College, Erode
10. P.R Engineering College, Vallam
11. K.S.R Institute of Technology, Thiruchengodu
12. Sethu Institute of Technology, New Delhi
13. Dr. Baba Sahib Ambedhkar Marathwada University, Maharashtra
14. Amirtha college of Engineering, Chennai
15. Hindustan College of Engineering, Coimbatore
16. Adhitya Institue of Technology, Coimbatore
17. Government College of Engineering, Sengipatti
18. P.A College of Engineering and Technology, Pollachi
19. Vinayaga Mission Kirupananda Variyar Engineering College, Salem
20. M.G.M University, Maharashtra
21. SRM-TRP Engineering College, Chennai
22. Periyar Maniyammai Institute of Science and Technology, Vallam

Response Details:

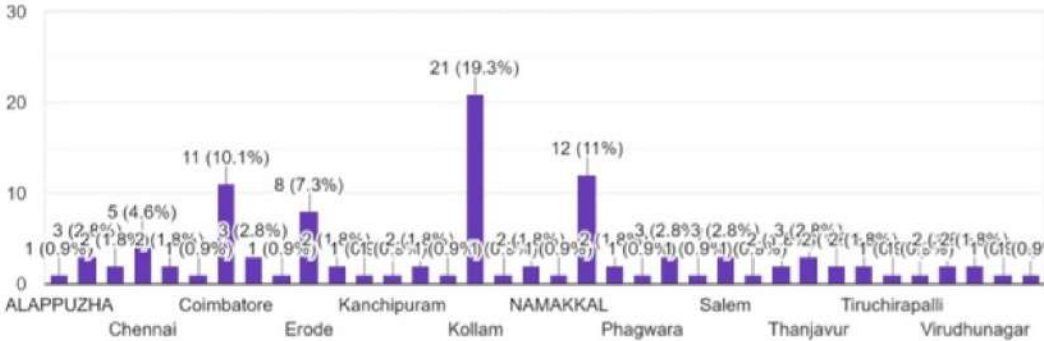
Participant
110 responses



IEEE member
110 responses



District
109 responses



Brochure:

IEEE Madras Section

KINGS
COLLEGE OF ENGINEERING
Recognized under 2(F) & 12(B) of UGC
Approved by AICTE, New Delhi.
Affiliated to Anna University, Chennai.

B++
NAAC






3 day Workshops on DATA SCIENCE & MACHINE LEARNING

SPONSORED BY IEEE MADRAS SECTION
HELD IN HYBRID MODE

OFFLINE
VENUE: SMART CLASS ROOM
IT BLOCK, KINGS COLLEGE OF ENGG

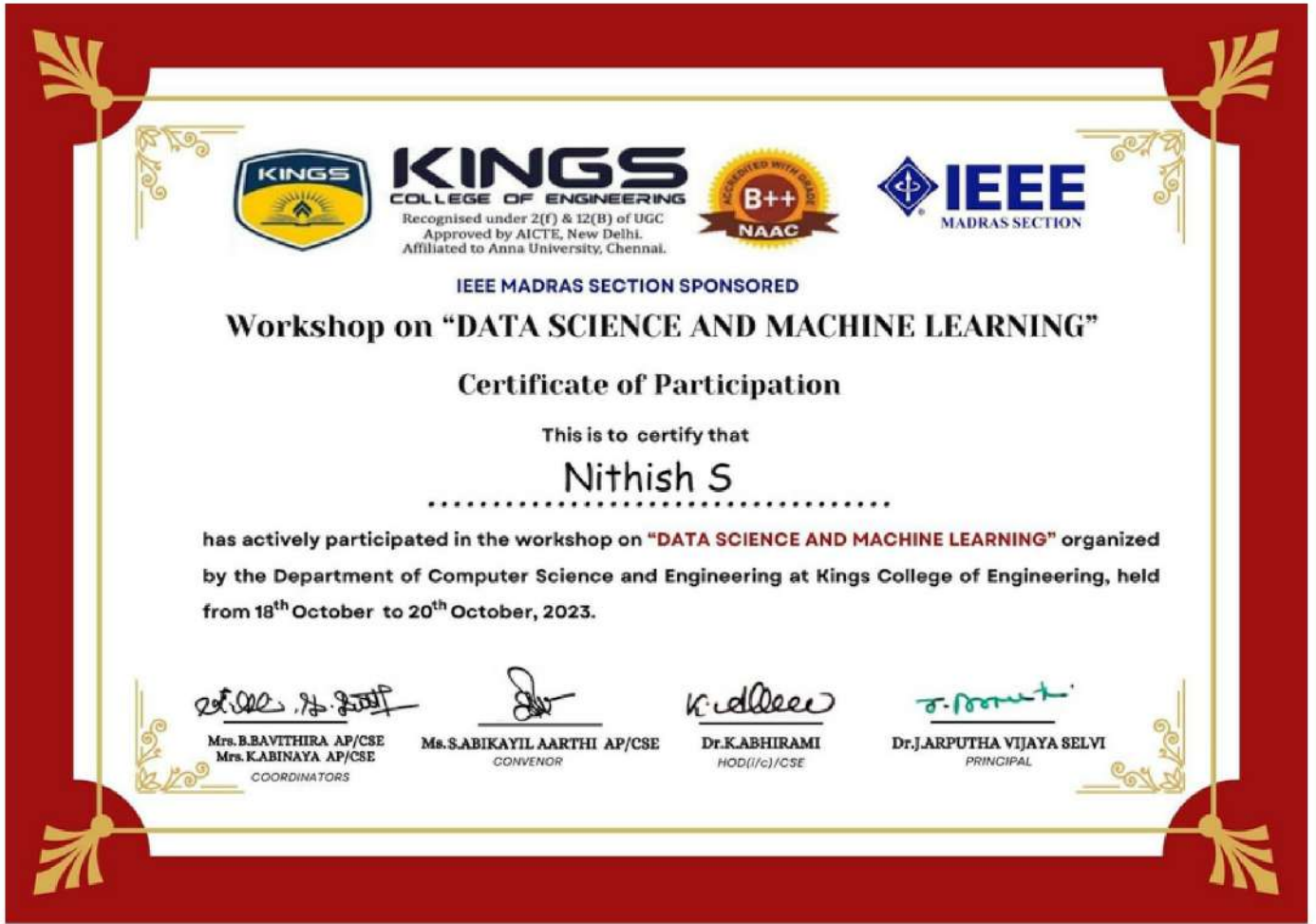
ONLINE
TO JOIN THE MEETING CLICK THIS VIDEO LINK
[HTTPS://L1N0.COM/T5QTD](https://L1N0.COM/T5QTD)

18.10.2023 INAUGURAL FUNCTION ON 10.15 AM.
10:30-12:00 **14:00-15:30**

18th OCT	INTRODUCTION TO PYTHON & STATISTICS  DR. K. LAKSHMI PROFESSOR, SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE, PUDUCHERRY	WORKING WITH NUMPY, PANDAS  MR. K. M. ARIVU CHELVAN S/W ARCHITECT EK SOFTWARE SOLUTIONS, THANJAVUR
	19th OCT	DATA VISUALIZATION  DR. M. BRINDHA ASST. PROFESSOR, NIT, TRICHY
20th OCT	HANDS - ON SESSION  MR. S. RAMPRAKASH TEACHING FELLOW, UCE, THIRUKKUALAI	HANDS - ON SESSION  MR. S. DINESH DHANABALAN ASST. PROFESSOR, ARIFA INSTITUTE OF TECHNOLOGY, EASANOOR

ORGANIZED BY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
DR. K. ABHIRAMI, AP/ CSE **MS. S. ABIKAYIL AARTHI, AP/ CSE**

Sample Certificate:




Workshop Team:



***** THANK YOU *****


4/11/23
Convener


4/11/23
HOD(i/c) / CSE


Vice Principal


04/11/2023
Principal