R E P O R T

COGNI-CRAFT
Crafting Intelligence with AI & ML

Event Date: 26th Sept, 2023
Organized by:
Sarvajanik College of Engineering and Technology in association with IEEE SPS SCET & IEEE SCET SB

Team Behind the Event:

General Chair: Prof. Chirag Paunwala

Treasurer: Prof. Neeta Chapatwala

Faculty Co-Ordinator: Prof. Chirag Paunwala
Prof. Sarosh Dastoor,

Student Co-Ordinator: Jill R Saliya
Niket Singla
Aarya Shah

EVENT POSTER

Event Details:

Event Type: Workshop
Event Mode: Offline
Event Category: Technical Event
Event Date and Time: September 26th, 2023
Event Accessibility: For registered participants

KPIs:

We present to our valued readers a selection of highlights significantly contributed to the event's resounding success.

Number of Experts: 2
Total participation: 52
Average Feedback Assessed: 9 /10

Introduction:

"Cogni Craft: Unleashing the Power of AI & ML in Crafting Intelligence" Artificial Intelligence (AI) and Machine Learning (ML) are transformative technologies that are reshaping our interactions with data, simplifying tasks, and enhancing decision-making. This introduction will explore the fundamental principles, real-world applications, and the profound influence of AI and ML in

The event began by sharing his wisdom setting the time for the day by encouraging the students for participating in various activities held or organized under the banner of IEEE leading to the advantages of being a member of the Signal Processing Society by describing the hierarchy of the positions in the SPS and the eligibility criteria for the same.

Crafting Intelligence with AI & ML: An Introduction

Artificial Intelligence (AI) and Machine Learning (ML) have emerged as transformative technologies that are reshaping the way we interact with and leverage information, automate tasks, and make decisions. In this introduction, we'll explore the fundamental concepts, applications, and implications of AI and ML in crafting intelligence.

Understanding Artificial Intelligence (AI)

AI refers to the simulation of human intelligence in machines that are capable of performing tasks that typically require human intelligence. These tasks include problem-solving, learning from experience, recognizing patterns, understanding natural language, and making decisions. AI systems are designed to replicate or augment human cognitive functions, and they encompass a wide range of technologies, including robotics, natural language processing, computer vision, and expert systems.

Machine Learning (ML) as the Engine of AI

Machine Learning is a subset of AI that focuses on the development of algorithms and models that enable computers to learn from data and make predictions or decisions without being explicitly programmed. ML algorithms are at the heart of many AI applications, as they allow systems to improve their performance and decision-making abilities through experience and data analysis. ML can be categorized into supervised learning, unsupervised learning, and reinforcement learning, each with its own set of use cases and techniques.

Applications of AI & ML

AI and ML have found applications across various industries and domains, revolutionizing the way businesses operate and improving our daily lives. Some prominent examples include:

Autonomous Vehicles: AI-powered systems enable self-driving cars and drones to navigate and make real-time decisions.

Natural Language Processing (NLP): NLP models are used in chatbots, virtual assistants, and language translation services.

Computer Vision: ML algorithms enable image and video recognition, facial recognition, and object detection.

E-commerce: AI is used for personalized product recommendations, inventory management, and customer support.

Manufacturing: AI-driven automation enhances production efficiency and quality control.

Education: ML is applied in adaptive learning platforms and personalized education content.

Challenges and Considerations

While AI and ML offer significant advantages, they also present challenges and ethical considerations, including bias in algorithms, data privacy concerns, and the impact on employment. Crafting intelligence with AI & ML requires careful consideration of these issues to ensure responsible and equitable deployment.
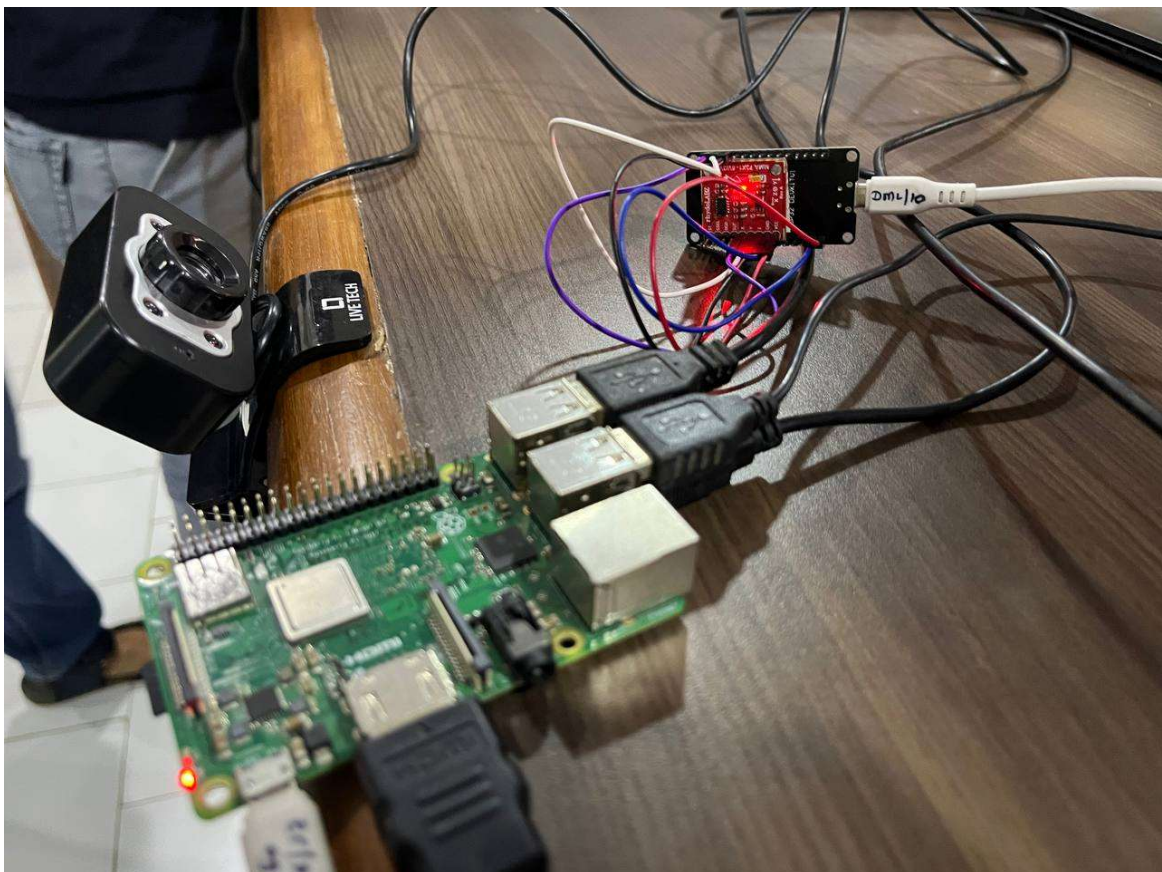
The Future of Crafting Intelligence

As AI and ML continue to advance, the possibilities for crafting intelligence are limitless. We can expect to see further integration of these technologies into our daily lives, with AI systems becoming increasingly autonomous and capable of handling complex tasks. However, it's crucial to strike a balance between technological innovation and ethical responsibility to harness the full potential of AI and ML in a way that benefits society as a whole.

In this series on crafting intelligence with AI & ML, we will delve deeper into the key concepts, practical applications, and ethical considerations surrounding these transformative technologies. Join us on this journey to explore the fascinating world of artificial intelligence and machine learning
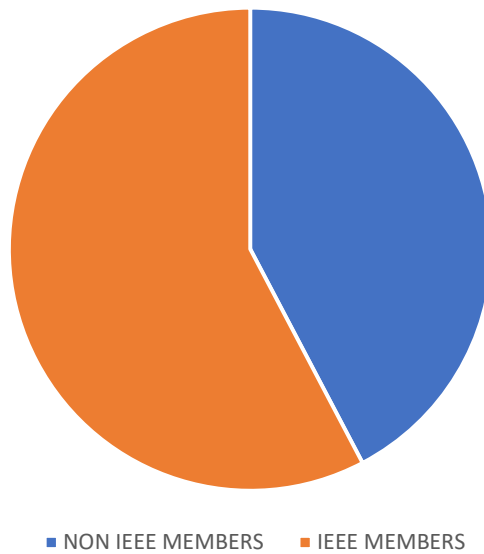
Hands On Experiences
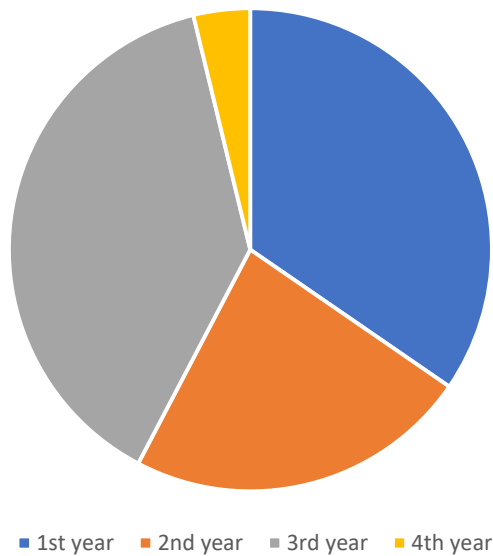
Media Coverage

સ્કેટ કોલેજમાં યોજાઈ એઆઇની વર્કશોપ

સુરત। સ્કેટ કોલેજમાં એઆઇ અને મશીન લર્નિંગ પર વર્કશોપનું આયોજન કરાયું હતુ. જેમાં કોમ્પ્યુટર, ઇલેક્ટ્રોનિક્સ અને આઇટી ડિપાર્ટમેન્ટના 35થી વધુ વિદ્યાર્થીઓ જોડાયા હતા. આ વર્કશોપમાં વિદ્યાર્થીઓને એઆઇ અને મશીન લર્નિંગની બેઝિક થિયરી અને પ્રેક્ટિકલ નોલેજ અપાયું હતું.

PARTICIPATION

PARTICIPATION STATS

■ NON IEEE MEMBERS ■ IEEE MEMBERS

YEARWISE SPLIT OF PARTICIPANTS

■ 1st year ■ 2nd year ■ 3rd year ■ 4th year

Conclusion:

The event brought together a diverse array of professionals, experts, and enthusiasts, fostering a dynamic environment for the exchange of knowledge, insights, and ground-breaking ideas.

The event played a pivotal role in pushing the boundaries of their knowledge, allowing them to explore advanced topics, challenge existing paradigms, and gain exposure to innovative approaches. The interactive nature of the event fostered an environment where attendees felt encouraged to ask questions, share their insights, and engage in discussions that expanded their perspectives.

Feedback Summary:

1. Arrange more events like that includes such Interactive Sessions.

2. It was very insightful and the knowledge shared was exceptional.

3. Good management and such knowledgeable speakers created a great atmosphere.

4. It was very informative, and, in this session, I understand new words and term of technical world.

5. Intellectual and knowledgeable event.

6. It was very knowledgeable and the part of schizophrenia and bi polar disorder was very interesting and helpful.

7. Intriguing insights into eyes and the mind. Wonderful session