KPR Institute of Engineering and Technology

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CS071

NBA Accredited
(CSE, ECE, EEE, MECH, CIVIL)

2023 FIRST INTERNATIONAL CONFERENCE ON DATA SCIENCE AND ADVANCED COMPUTING (ICDSAC 2023)

Event No	CS071
Organizing Department	Computer Science and Engineering
Associate Dept. | NSC	Artificial Intelligence and Data Science
Date	23/06/2023 to 24/06/2023 (2 Days)
Time	10:00 AM to 04:20 AM
Event Type	Conference
Event Level	International
Meeting Medium	
Meeting Link	https://meet.google.com/oaz-zgfa-ity
Total Participants	214
Industry Personnel	1
Faculty - Internal	1
Faculty - External	10
Students - Internal	1
Students - External	200
Other Participants	1

Related SDG

Involved Staffs

SI	Name	Role
1	Kamaraj K	Coordinator
2	Kathiresan K	Coordinator
3	Premkumar D	Coordinator
4	Jenifa G	Coordinator
5	Saranya N	Coordinator
6	Punidha A	Coordinator
7	Vijayaganth V	Coordinator
8	Premkumar M	Coordinator
9	Sumathi A C	Convenor
10	Yuvaraj N	Convenor
11	Manoj Kumar S	Co-convenor
12	Karthic S	Coordinator

Outcome

1.The Conference provided an opportunity to reflect on what has been happening, to share experiences, perspectives and responses to those challenges and at the same time to give thought to setting the directions for the future.
2.Raised awareness on the vital contribution of Data Science and Advanced Computing in emerging fields.

Event Summary

Data Science and Advanced Computing is one of the significant symbols of modern day's high-tech revolution. The technological developments in the software engineering paves the road for advancements in data science and computing technologies across the world. The scope of the **2023 First International Conference on Data Science and Advanced Computing (ICDSAC 2023)** is to provide a forum for researchers, scientists, academicians, scholars and practitioners around the world to present papers on recent developments in the broad fields of Data Science and Advanced Computing. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Data Science and Advanced Computing. ICDSAC 2023 is organized by the departments of Computer Science and Engineering & Data Science and Artificial Intelligence, KPR Institute of Engineering & Technology, Coimbatore, Tamil Nadu, India. The conference will be held during 23 – 24, June 2023.

The ICDSAC Conference series aims for a great gathering of both industrial and academic professional from across the world in the fields of Data Science and Advanced Computing. It provides a major forum for the exchange of information among practicing professionals from all over the globe in the areas of greater importance such as data science and computing.

The Formal inauguration of the 2023 First International Conference on Data Science and Advanced Computing (ICDSAC 2023) was held on 23rd JUNE 2023 at The Legend Hall, KPR Institute of Engineering and Technology in online mode.The inaugural ceremony was then open with the welcome Address by Dr. A.C. Sumathi, Head, Department of Artificial Intelligence and DataScience, KPRIET. A comprehensive introduction about the conference was delivered by Dr. N.Yuvaraj, Head, Department of Computer science and engineering, KPRIET.Then the keynote speaker of the day Dr. Nur Hafizah Ghazali, Department of Computer Science, Faculty of Electronic Engineering and Technology, University of Malaysia Perlis, Malaysia, started stating her experience and knowledge in the field of Data Science and Advanced Computing. She spoke with an immense love and respect towards her field.After the inspiring speech, Dr. S. Manoj Kumar, Professor, Department of Computer science and engineering, KPRIET delivered the vote of thanks on behalf of the organizing committee.The Two-day conference comprised of 5 plenary sessions, with one Session Chair and one Session Coordinator per session. Each speaker was given 10 minutes to present, followed by 5 minutes for questions.
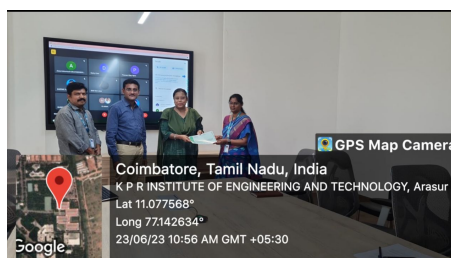
The Conference ended with these probable outcomes and conclusions:

1.The computing research approaches are rooted in a scientific perspective founded on basic and applied research and analysis.

2.This conference explores several hot research topics which include artificial intelligence and data science, big data analytics, Internet of Things (IoT) and smart cities, information security, cloud computing and networking, and computational informatics.
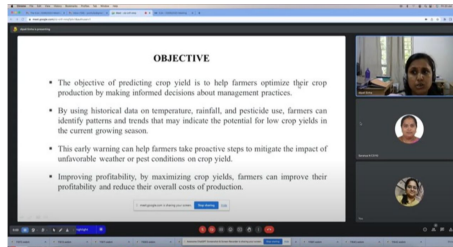
3.The key research needs discussed and presented are:

Utilizing large, detailed telemetry data sets for activity-based demand modeling

Streaming real-time, high-fidelity data for optimal route planning

Computer vision for mobility data collection

Data science techniques for modeling, fusion, and prediction

Artificial intelligence techniques for automated, real-time decision making

Simulation and modeling to provide unprecedented insight into potential futures

Simulation techniques to take full advantage of artificial intelligence

Scalable/distributed optimization and control

Symbiotic autonomous systems

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