



About Data Science Research Group

The Data Science Research Group at IIIT Kottayam focuses on both fundamental research in the field of data science and applied research in areas where data science can provide valuable insights that can be used for decision-making. The primary focus of the group is on the creation of algorithmic approaches and methodological workflows to achieve scalable solutions in major social, scientific, and societal application domains. Additionally, the group is dedicated to the resolution of challenges in implementing data science projects in industry/real-time. Our techniques and solutions are influenced both directly and indirectly by real-world applications and use cases. Visit us at: <https://dsrg.iiitkottayam.ac.in/>

Registration Fee

Rs. 2000/- (without accommodation;
lunch included)

Rs. 4000/- (with food and
accommodation for maximum of 5 days)

E-Payment link:

<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>

Steps for payment

1. Choose category as Educational Institution
2. Choose Payee as IIIT Kottayam
3. Choose payment category as DataNetWork-2024



Scan to Register

Registration Link

<https://forms.gle/53xobr4XAFvTNC3t7>

Registration deadline : **04-07-2024**



Second Annual Five-Day Workshop on Network Data Analysis

DataNetWork-2024

Jointly Organized by
**Network Science Research Group &
Data Science Research Group,
Indian Institute of Information
Technology Kottayam**

08-12 July 2024



About the Workshop

In the current age dominated by data, understanding the complex interconnections and patterns in networks is crucial for deriving valuable insights. Our extensive workshop aims to connect the realms of data science and network science. In our interconnected world, where everything from social interactions to biological processes to technological infrastructures forms intricate networks, network science helps uncover hidden patterns, predict behaviors, and analyze the dynamics of these systems. By studying networks, we can gain insights into how information spreads, how diseases propagate, how communities form, how innovations arise, and much more. This understanding is crucial for addressing real-world challenges, making informed decisions, and designing effective strategies in fields ranging from healthcare and economics to sociology and ecology. Thus, network science plays a pivotal role in unraveling the complexities of our interconnected world and shaping our understanding of how systems function and evolve.

What You'll Learn

Join us to gain a solid understanding of analyzing real-world networks including social network analysis, and climate network analysis. You will also be introduced to network data analysis, epidemic data analysis, bibliographic data analysis, graph mining techniques, and multilayer networks, equipping you with essential skills for modern data analysis. Get ready for a workshop that strikes the perfect balance between theory and hands-on practice. Each topic we cover includes equal time for in-depth learning and practical application.

Who Should Attend

This workshop is invaluable for graduate or post-graduate students interested in projects integrating data science and network science. Develop practical skills in epidemic data analysis, social network analysis, graph mining, bibliographic data analysis, and climate network analysis. Prepare to tackle real-world challenges using data-driven strategies.

Objectives of the Workshop

- Bridging Data Science and Network Science
- Learn essential skills in analyzing network data
- Gain practical knowledge in epidemic data analysis
- Gain an understanding of real-world networks like social networks and climate networks
- Gain practical knowledge in graph mining
- Get introduced to multilayer networks

Topics Covered

- Network Data Analysis
- Epidemic data Analysis
- Social Network Analysis
- Graph Mining
- Bibliographic Data Analysis
- Climate Network Analysis
- Multilayer Networks

Unlock the Potential

Join us for an enlightening workshop and discover how data science combined with network analysis can solve complex problems and drive informed decision-making in today's interconnected world.

Organizing Committee Patrons

- Prof. (Dr.) Rajiv V. Dharaskar, Director, IIIT Kottayam
- Dr. M. Radhakrishnan, Registrar, IIIT Kottayam
- Prof.(Dr.) P. Mohanan, Prof. in-Charge (Academics), IIIT Kottayam

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