

ORGANIZING COMMITTEE

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ABOUT NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI, INDIA

The National Institute of Technology, Tiruchirappalli, started in 1964 with a view to catering to the needs of man-power in technology for the country. NITT is ranked first among all 31 NIT's for the third time and tenth among all the technical institutes in India by the National Institute Ranking Framework (NIRF). NITT is witnessing exponential growth in R&D activities. Apart from a large consultancy work undertaken by our departments, academic research gains its momentum day by day. NITT has signed several MOUs with industries and institutions in India and abroad to promote collaborative research and consultancies.

ABOUT MACQUARIE UNIVERSITY, SYDNEY, AUSTRALIA

Macquarie University was established in 1964, began as a bold experiment in higher education and built to break from traditions: to be distinctive, progressive, and to be transformational. Macquarie University is consistently ranked in the top two per cent of universities in the world and within the top 10 in Australia. Macquarie University's research is leading the way in ground-breaking discoveries. Macquarie University's academics are at the forefront of innovation.



SPARC – Ministry of Education SPONSORED ONLINE WORKSHOP

On

COMPUTING MODELS AND DATA ANALYTICS (with a focus on Internet of Things & Healthcare)

12 April 2021 – 16 April 2021

Organized by



NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI, INDIA

In Association with



MACQUARIE
University
SYDNEY · AUSTRALIA

ABOUT SPARC

Scheme for Promotion of Academic and Research Collaboration (SPARC) is an initiative from Ministry of Education (formerly known as Ministry of Human Resource Development (MHRD)), Government of India that is aimed at improving the research ecosystem in the higher education institutions in India. SPARC facilitates research collaborations with top institutions in 28 nations worldwide. SPARC aims at exposing large number of young students, the torch bearers of the future generation, to state of art developments in science, thereby increasing the number of highly trained scientific manpower in the country, as well as significantly enhance the visibility of Indian Science and Scientists in the world map of highly competitive cutting edge science. One component of the SPARC initiative is the conduct of joint workshop with the collaborating University.

OBJECTIVES

To fulfill the objective of SPARC, this Workshop is intended to help young faculty and research scholars to understand and explore the concepts of Internet of Things and data analytics. This workshop is part of the SPARC project

SCOPE OF THE PROGRAM

The objective of this course is to cover state of the art research challenges and breakthrough technologies behind the Internet of Things enabled system models and data modelling and real time processing through AI/ML algorithms. The workshop aims to cover the recent research trends across the globe by involving lectures delivered by the international participating institution.

TOPICS TO BE COVERED

- IoT Architecture, Protocols, Challenges and Issues
- Web Services, Cloud and Edge/ Fog Computing
- Security, Privacy, and Trust in IoT
- Storage and Caching in the Edge/Fog and the Cloud
- Machine Learning and Deep Learning
- Big Data Analytics for Healthcare
- BioMedical Image Processing and Analytics
- Medical diagnosis and analytics
- Electronic Health Records Management and Analysis
- Digital Healthcare Solutions and Trends
- Case Studies in Healthcare Analytics

RESOURCE PERSONS

The course faculty includes resource persons from Macquarie university, Australia, IITs, NITs, and other reputed institutions and industries.

PARTICIPANTS

Faculty members and Research Scholars from Computer Science and Engineering, Information Technology departments of all universities/ institutes/ colleges.

Limited number of candidates only will be selected.

REGISTRATION

Interested Candidates are requested to fill and submit the following form:

<https://tinyurl.com/sparcdm>

No registration fees for the participants.

Seats are limited and filled in first come first serve basis. Workshop link will be sent to selected participants.

E-certificate will be issued to participants

IMPORTANT DATES

Last date for receiving the duly filled in Registration forms	27 March 2021
Confirmation of Participants will be intimated through email by	31 March 2021

For any clarifications, please contact:

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