Workshop Brochure

TWO DAYS ONLINE NATIONAL WORKSHOP ON

INTERNET OF THINGS (IoT) & DATA ANALYTICS

UNDER TEQIP-III

23 - 24 OCTOBER, 2020

ORGANIZED BY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AND INFORMATION TECHNOLOGY

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

(A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE, ESTABLISHED IN 1957) GWALIOR, M.P. 474005

www.mitsgwalior.in

REGISTRATION LINK https://forms.gle/aXfNrXv9YM2wc49X9

PATRON

Dr. R.K. Pandit
Director
MITS Gwalior

WORKSHOP TEAM

CONVENER

Dr. Akhilesh Tiwari
Prof. & Head CSE & IT

COORDINATORS

Mr. Mir Shahnawaz Ahmad (Assist. Prof., CSE&IT)
Mr. Arun Kumar (Assist. Prof., CSE & IT)
Ms. Aishwarya (Assist. Prof., CSE & IT)
Ms. Sneha Garg (Assist. Prof., CSE & IT)

PREAMBLE

The field of engineering and technology is facing unparallel changes and consolidations. As educators, we must be continuously aware of these developments so that we cannot only define a fixed path but also we have to take full advancement in engineering and technology. Keeping view of the current thrust, relevance and importance of the development in engineering and technology, the faculty members of technical institute have to keep a place with its exchanging trends for social and industrial benefits. Researchers and Scientists have applied modelling and computational techniques as a tool to represent the various problems in real word situations. It is because of the wide applicability of Internet of Things (IoT) in different domains of Engineering and Technology and applications of Data Analytics techniques, this Workshop is being organized with the following objectives.

- Motivate and equip the participants with the basics as well as the recent advancements in IoT and Data Analytics, and its applications for solving wide variety of problems in various fields of engineering and technology.
- To expose the faculty members and students with the newer dimensions of the area with their practical approaches to tackle the real life problems in engineering and technology and other related disciplines.
- To take up various challenges of the present day to day societal problems for their acceptable logical solutions.

This Workshop will be helpful for faculty members and researchers to utilise methods, tools, and computational techniques for real life problems solving.

REGISTRATION FEE

There will be no registration fee for the participants from AICTE recognized Institutions

WORKSHOP CONTENTS

The workshop will focus on following topics:

- Introduction to Internet of Things.
- Discussion on Industrial IoT and its requirements.
- Practical approach to IoT.
- IoT: A case study using hardware Analysis.
- How Data Analytics can help IoT to enhance its applicability?
- Exploratory data analysis towards data pre-processing.
- Predictive analytics.
- Various tools used for the implementation of techniques used in data analytics.

ELIGIBILITY

Faculty members, Research scholars and UG/PG students in relevant discipline of degree level technical Institution/ Universities approved by AICTE are eligible to attend the workshop.

RESOURCE PERSONS

- **Dr. Ramjeevan Singh Thakur**, MANIT, Bhopal.
- **Dr. Rakesh Kumar Jha**, SMVDU Katra, J&K.
- **Dr. Vivek Tiwari**, International Institute of Information Technology – Naya Raipur (IIIT-NR)

PLEASE NOTE

The number of participants is limited. The interested candidate needs to apply online using registration link (on or before **20th October, 2020**). Shortlisting of participants will be on **First Come First Serve** basis. The shortlisted candidates will be informed via E-mail. E-certificates will be given to all the participants on successful completion of workshop.

FOR ANY QUERIES PLEASE CONTACT:
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ABOUT MITS

Madhav Institute of Technology and Science (MITS), Gwalior was established by His Highness Late Sir Jiwaji Rao Scindia, Maharaja of Erstwhile State of Gwalior, with an aim to create world class quality engineers and technocrats capable of providing leadership in all spheres of life and society. Founded as Madhav Engineering College in 1957 with three UG programmes, this temple of learning is now about 60 years old. Since its inception, the institute has constantly strive for excellence and quality in technical education. Today, the institute offers nine UG programmes along with research programmes leading to Masters and Ph.D. degree in various specializations of engineering and technology. All the departments of the institute have well equipped laboratories and experienced faculties. The institute is a minor QIP centre of AICTE for Ph.D. programme in five disciplines. The institute is also funded by World Bank under TEQIP phase III to strengthen the quality of technical education.

ABOUT THE DEPARTMENT

The department of CSE & IT has an excellent & rich history and an outstanding record of contributions to the profession and community. The department is well recognized for excellence in facilities and teaching. The Department offers UG, PG and Ph.D. Programmes in Computer Science & Engineering and Information Technology. The Department has a comprehensive curriculum on topics related to all aspects of Computer Hardware and Software with an emphasis on practical learning. The course structure is up-to-date and includes courses on emerging topics to equip our students with the latest developments in Computer Science and Engineering. The Department has state-of-the-art infrastructure and computing equipment supported by high speed Ethernet and wireless networks. Our faculty members aim at delivering top class education blending their rich research experience with classroom teaching.