Gwallior

(A Gert Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopat) Department of IT

Online National Workshop on "Computational Intelligence in Data Analytics"	
8, 9 February , 2021	
In today's era, data plays a vital role in any field to make critical decisions depending on the patterns and facts deduced from the data which is the idea behind the machine learning, and their related strategies to comprehend and dissect genuine phenomena with data. Here the new term coined i.e. Data analytics , which analyze the data generated while purchasing online, commenting on social network and many more. Purpose of data analytic would be to increase revenue, optimize the cost, and improve the efficiency. This can be accomplished by computation intelligence . Fundamentally computation intelligence uses analytical method, fuzzy logic, neural network, evolutionary computation, learning theory and probability method which has wide range of application like extract critical information form image data to predict a particular type of disease, revenue optimization. In view of all these applications and benefits of data analytics, we propose to organize an online national workshop on "Computational Intelligence in Data Analytics", which will focus on highlighting various concepts and techniques used in data analytics for the desired analysis of data and the implementation of methods. The workshop will benefit faculty, research scholars as well as students because these days this field is one of the applied research topics and is also used in corporate sectors for business analysis and other applications. Since the field is the interdisciplinary, it brings various experts from multiple fields together for innovation.	

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Name and Affiliation of Experts:	Dr. P Radha Krishna , Professor & Head, Department of Computer Science and engineering, NIT Warangal.		
	V. Vijaya Saradhi, Associate Professor, Department of Computer Science and engineering, IIT Guwahati.		
	Dr Sandeep Kumar, Associate Professor, Department of Computer Science and engineering, IIT Roorkee.		
	Dr. R. S.Thakur, Professor MNIT Bhopal.		
Objectives of the activity:	 To understand applied data science. To give practical hands-on and exposure of different data sets To learn the application of computational intelligence in data analytics 		
Outcomes of the activity:	The participants will be able to: Understand various concepts regarding Data Analytics. Apply the Data Analysis techniques to intended data. Explain the importance of Data Analysis and computation intelligence		
Number of	Total = 90 (External Participants = 20, Internal		
participants:	Participants =70) Professor = 03 Associate Professor = 01 Assistant Professor = 36 Research Scholar = 35 Students = 15		

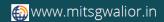
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& NAAC Accredited Institute Affiliated to RGPV, Bhopel) (A. Greet, Alided UKSC Automor Department of IT



MADHAV INSTITUTE TECHNOLOGY & SCIENCE

(A Govt. Aided UGC autonomous & NAAC Accredited institute, Established in 1957) Gwalior, M.P. 474005





NATIONAL WORKSHOP

In Collabration with

DELHI TECHNOLOGICAL UNIVERSITY, DELHI

COMPUTATIONAL INTELLIGENCE IN

DATA ANALYTICS UNDER TEQIP-III

8 - 9 FEBRUARY, 2021

PATRON

Dr. R.K. Pandit Director **MITS Gwalior**

CONVENERS

Dr. Akhilesh Tiwari Professor & Head Department of IT MITS, Gwalior

Dr. Dinesh K. Vishwakarma **Associate Professor** DTU. Delhi

COORDINATORS

Mr. Rajeev Kumar Singh, Asst. Professor Mr. Dheeraj Gurjar, Asst. Professor

Co-Coordinators

Ms. Shweta Patel, Asst. Professor Ms. Namrata Agrawal, Asst. Professor Mr. Abhishek Dixit, Asst. Professor



ORGANIZED BY

DEPARTMENT INFORMATION TECHNOLOGY

REGISTRATION LINK



http://bit.ly/3sOad5n

ABOUT MITS

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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 OIP centre of AICTE for Ph.D. programme in five disciplines. The institute is also funded by World Bank under TEOIP phase III to strengthen the quality of technical education.

ABOUT THE **DEPARTMENT**

The department of IT has an excellent 8 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 information Technology. In December 2020, new program have been included by department i.e. B. Tech information Technology(Artificial Intelligence and Robotics) and B. Tech Internet of Things (IoT). 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 uptodate and includes courses on emerging topics to equip our students with the latest developments in Information Technology. The Department has state-of-the-art infrestructure 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.

PREAMBLE

Data has been the buzzword for ages now. Either the data being generated from large-scale enterprises or the data generated from an individual, each and every aspect of data needs to be analyzed to benefit yourself from it. But how do we do it? Well, that's where the term 'Data Analytics' comes in. Data Analytics has a key role in improving your business as it is used to gather hidden insights, generate reports, perform market analysis, and improve business requirements. Data Analytics refers to the techniques used to analyze data to enhance productivity and business gain. Computationally intelligent data handling algorithms are crucial in a wide range of sectors that require fast and automated decisionmaking. These industries typically include financial, manufacturing, aerospace, automotive and defence.

Workshop is being organized with the following

1.It is intended for the participants who aspire to excel in data analytics. It provides an opportunity to explore the intersection of Statistics and Data Analytics and enables sophisticated ways learning the emerging trends.

2. To expose the faculty members and students with the newer dimensions of the area with their practical approaches to tackle the real life technology and othe elated disciplines.

WORKSHOP CONTENTS

The workshop will focus on following topics.

- 1. Significance of Data Analytics in Digitization and
- 2. Visualization of Unstructured Sports Data An Example of Cricket Text Commentary.
- 3. Social Network Analytics

ELIGIBILITY

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

RESOURCE PERSONS

- Dr. P Radha Krishna, Former Principal Research Di. P. Radina Mishina, Folimer Principal Research Scientist at Infosys Labs, Infosys Limited, Hyderabad and Professor & Head, Department of Computer Science and Engineering, NIT Warangal Dr. V. Vijaya Saradhi, Associate Professor, Department of Computer Science and Engineering
- **Dr. Sandeep Kumar Garg**, Associate Professor, Department of Computer Science and Engineering,
- Dr. R. S. Thakur, Professor, MANIT Bhopal

REGISTRATION FEE
There will be no registration fee for the participants.

PLEASE NOTE

The number of participants is limited. The interested candidate needs to apply online using registration link Last Date for registration is **February 5, 2021(5:00 PM)**. 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.

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Department of IT



Madhav Institute of Technology and Science, Gwalior (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal) Department of Information Technology



ONLINE NATIONAL WORKSHOP IN COLLABRATION WITH DELHI TECHNOLOGICAL UNIVERSITY, DELHI

COMPUTATIONAL INTELLIGENCE IN DATA ANALYTICS

UNDER TEQIP-III 8 – 9 February, 2021

WORKSHOP SCHEDULE

	Session – 1 (11:00 AM to 01:00PM):	Session – 2 (02:00 PM to 04:00 PM):
8 th Feb. , 2021 (Monday)	Dr. Sandeep Kumar Garg Associate Professor, Department of Computer Science and Engineering, IIT Roorkee	Dr. P Radha Krishna Former Principal Research Scientist at Infosys Labs, Infosys Limited, Hyderabad and Professor & Head, Department of Computer Science and Engineering, NIT Warangal
	(Session Topic: Significance of Data Analytics in Digitization and Automation)	(Session Topic: Social Network Analytics.)
	Session – 3 (11:00 AM to 01:00PM):	Session – 4 (02:00 PM to 04:00 PM):
9 th Feb. , 2021 (Tuesday)	Dr. R. S. Thakur Professor, MANIT Bhopal (Session Topics Data Science for healthcare)	Dr. V. Vijaya Saradhi Associate Professor, Department of Computer Science and Engineering IIT Guwahati (Session Toxic, Visualization of Unstangetured Sports Date
	(Session Topic: Data Science for healthcare)	(Session Topic: Visualization of Unstructured Sports Data - An Example of Cricket Text Commentary)

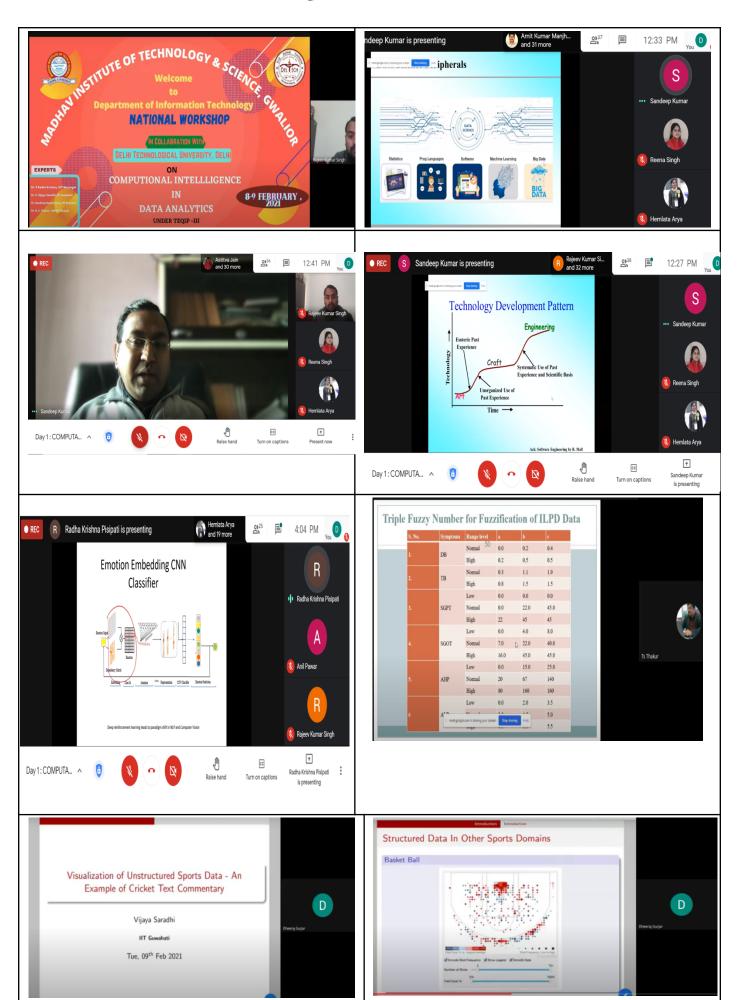
Please Note:

- The link to join each online session will be provided to all the participants via registered E-mail by workshop organizing team members in due course of time.
- Kindly put your microphone and video to mute when joining any workshop session to avoid any disturbance.
- You can ask questions and queries during the workshop sessions.
- E-certificates will be given to all the participants on the basis of attendance in each session and score in online test (that will be conducted at the end of Workshop).

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