

Workshop on Nonlinear Optimization, Variational Inequalities and Artificial Intelligence $March\ 22^{nd}-26^{th},\ 2021$

Organized by DEPARTMENT OF MATHEMATICS MANAV RACHNA UNIVERSITY

Sector 43, Aravalli Hills, Manav Rachna Campus Rd, Faridabad, Haryana 121004

ABOUT THE UNIVERSITY



leading State Private Rachna University (MRU) University (established by Haryana State Legislature Act No 26 of 2014 & under section 2(f) of UGC Act 1956), offering globally relevant education. MRU is listed on the official website of Government of Haryana. The MRC is listed on the official website of Government of Haryana. Ine University has evolved from Manav Rachna College of Engineering (MRCE), which was established in the year 2004, a NAAC accredited 'A' Grade institution ranked 10th among all the private engineering institutes of the country. MRU has been ranked 4th among the Emerging Engineering Institutes of the country (The Times Engineering Survey 2018). The accreditations/rankings are testimonial to the trust of accrediting bodies in the quality of education being offered a well-established leaching and the quality of education being offered, a well-established leaching and learning process guided by the global best practices and a culture of academic excellence promoting research, innovation & entrepreneurship.

ABOUT THE DEPARTMENT

At MRU, the department of Mathematics believes in 'Learning by Doing' strategy. The department equips the students with mathematical tools and their applications in diverse fields. The lab component in mathematics strengthens the foundation of the course for students. The department offers extensive B.Sc. (H) Mathematics, M.Sc. Mathematics & Ph.D. Mathematics program.

The department focuses on the overall development of the students. Apart from laying the strong foundation of the varied courses, various skills &personality attributes are also groomed by exposing the students to:

- Research Projects
- Participation in conferences, workshops and extra-curricular events,
- imbibing new ideas through educational visits &
- improvising behavior through motivational lectures

ABOUT THE PROGRAM

The program shall provide a platform to understand and apply different mathematical and computational approaches for solving optimization problems, comparison & connection among the existing and new solution methods, detail analysis using algorithms and its applications.

Topics to be covered

- Evolutionary Algorithms using AI Techniques
- Emerging OR Problems

LEARNING OUTCOMES

After going through the various sessions, participants would be able

- inequalities and its applications

 ❖ Solve Different OR Problems using Mathematical and computational approach
- Apply

RESOURCE PERSONS

- Prof. C.S. Lalitha (Head & Dean, Faculty of Mathematical Sciences,
- University of Delhi) Prof. S.K. Mishra (BHU, Varanasi)
- Dr. B.B. Upadhyay (IIT Patna)
- Dr. Tanveer Ahmad (IIT Indore)
- Dr. Vinay Singh (NIT Mizoram)
- Dr. Kalpana Shukla (MRU, Faridabad) Ms. Priyanka Mishra, Software Professional (IIT Patna)

All the resource persons are the eminent academicians & researchers in the concerned area.

The pedagogy consists of the expert lectures, interactive sessions and hands on sessions.

INVITED ATTENDEES

- Professionals in Academics and R&D
- Research Scholars
- UG/PG Students

IMPORTANT DATES AND REGISTRATION FEES

Registration Fee per participant (Rs.)	Registration Closes on	
Rs. 300/-	March 20, 2021	

* MODE OF WORKSHOP - ONLINE

Timings: Monday & Friday: 10:00am - 12:00 noon & 2:00pm - 3:30 pm Tuesday - Thursday: 2:00pm - 3:30 pm

MODE OF PAYMENT: Bank Transfer

BANK DETAILS FOR MANAY RACHNA UNIVERSITY:

ACCOUNT NAME	MANAV RACHNA UNIVERSITY OPERATIONS
ACCOUNT NUMBER	50200050331373
BANK NAME	HDFC BANK LIMITED
IFSC CODE	HDFC0002549
A/C BRANCH	PALAM VIHAR GURGAON
ADDRESS	H BLOCK, OPPOSITE CELEBRITY HOMES, PALAM VIHAR, GURGAON
CITY	GURGAON 122017
MICR	110240247

REGISTERATION LINK

https://forms.gle/wPzKcaNZey94A5RKA

Fee once paid is non-refundable.

CONVENER:

Dr. Kalpana Shukla Assistant Professor – Department of Mathematics, Manav Rachna University, Faridabad, Ph.:-8853802932

kalpanashukla@mru.edu.in

ORGANIZING COMMITTEE:

- Dr. Deepa Arora (Head, Department of Mathematics, MRU)
- Dr. Aparna Vyas (Associate Professor& Associate Head)

REPORT

Workshop on 'Nonlinear optimization, Variational inequalities and Artificial Intelligence (WNVIA2021)

Date -22nd March to 26th March 2021

Resource Persons - Dr. B. B. Upadhyay - IIT, PATNA Prof. C.S. Lalitha- Delhi University Prof. S.K. Mishra-BHU Dr. Tanveer- IIT, Indore Dr. Kalpana Shukla-MRU Ms. Priyanka Mishra- IIT, PATNA Dr. Vinay Singh- NIT, MIZORAM

The Department of Mathematics, MRU organized a One Week Workshop on 'Nonlinear optimization, Variational inequalities and Artificial Intelligence (WNVIA2021)' from 22nd March to 26th March, 2021. The 05-day workshop was designed to provide a platform to understand and apply different mathematical and computational approaches for solving optimization problems, comparison & connection among the existing and new solution methods, detail analysis using algorithms and its applications.

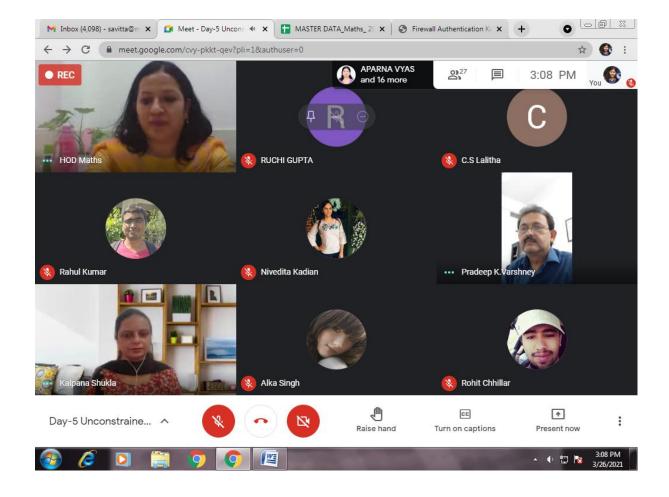
Six academicians from various institutions of fame like IIT, NIT, Central Universities and from MRU were the resource persons and delivered eminent sessions to impart all aspects of optimization and applications among the participants supplemented with informative tools and techniques. 27 external participants from IIT, NIT, Central Universities, Engineering Colleges and Private Universities, Skyline University College, Sharjah, UAE and 50 internal participants from the Department of Mathematics, MRU mainly Faculty members, Research scholars, UG/PG students were the part of this learning programme.

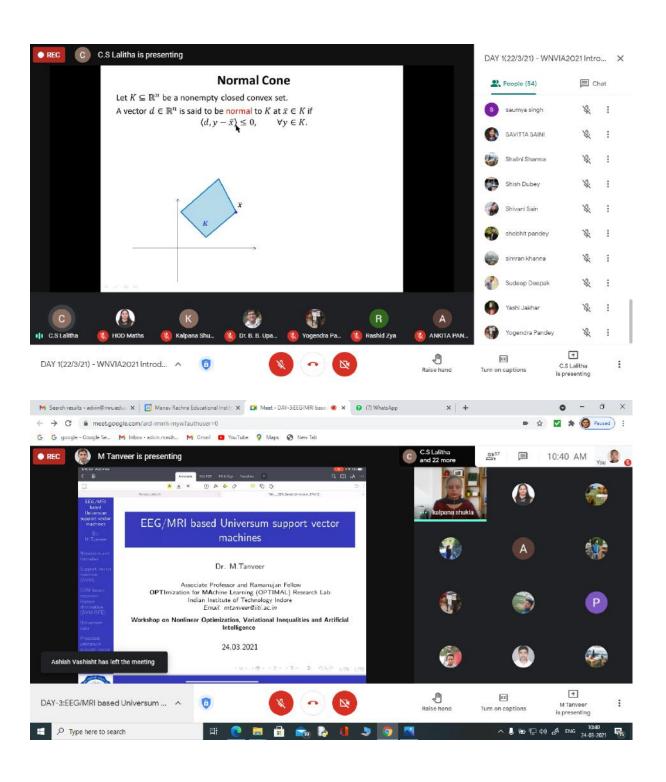
All the sessions were intellectually drafted & executed within the stipulated time frame and abetted in meeting the desired outcomes of the Workshop. The post session feedback and the overall feedback of the workshop are the testimonials of the same. The participants actively interacted during the sessions and their queries were addressed satisfactorily by the experts.

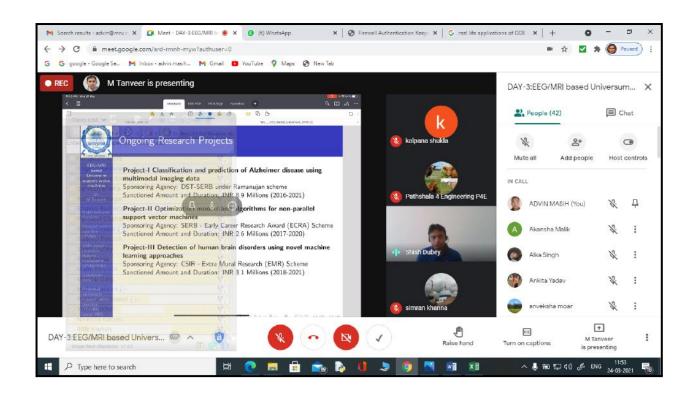
The workshop was a successful event with around 49 participants. Some glimpses of the workshop are attached.

The Valedictory session witnessed the culmination of knowledge sharing, new learning's and experiences gathered during the one week of the workshop.

GLIMPSES OF THE WORKSHOP







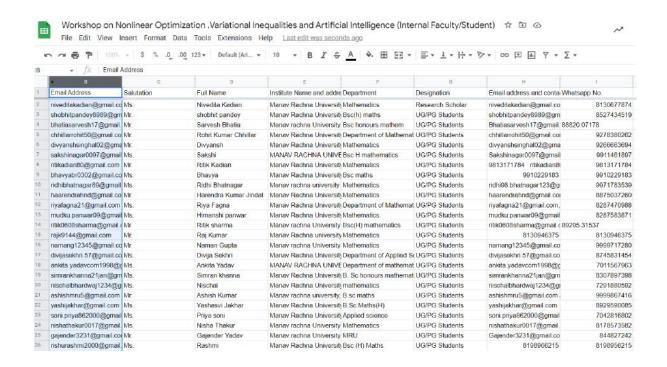
Workshop on 'Nonlinear optimization, Variational inequalities and Artificial Intelligence (WNVIA2021)



FACULTY OF ENGINEERING

DEPARTMENT OF MATHEMATICS

ATTENDANCE OF "Workshop on 'Nonlinear optimization, Variational inequalities and Artificial Intelligence (WNVIA2021)"





Workshop on Nonlinear Optimization , Variational Inequalities and Artificial Intelligence (Internal Faculty/Student) 🌣 🗈 🖎 File Edit View Insert Format Data Tools Extensions Help <u>Last edit was seconds ago</u>

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