# PROJECT COMPLETION REPORT

## OF

# SECOND INTERNATIONAL CONFERENCE

## ON

## SUSTAINABLE AND INNOVATIVE SOLUTIONS FOR CURRENT CHALLENGES IN ENGINEERING & TECHNOLOGY (ICSISCET 2020)

**18-19 DECEMBER 2020**

**WEBSITE: http://icsiscet2020.mitsgwalior.in**

## SPONSORED BY

## ALL INDIA COUNCIL OF TECHNICAL EDUCATION (AICTE)

**(File Number: F. No. 67-4/IDC/GOC/Policy-6/ 2019-20 dated 25.06.2020)**

**[Partially supported under TEQIP-III, in collaboration with Delhi Technological University, Delhi]**

## COORDINATOR

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**DEAN ACADEMICS & PROFESSOR**

**DEPARTMENT OF ELECTRICAL ENGINEERING**

**MITS, GWALIOR - 474005**

## ORGANIZED BY

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

(A Govt. Aided UGC Autonomous & NACC Accredited Institute Affiliated to RGPV, Bhopal)

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# PREFACE

During the COVID times, organizing an International conference has been quite challenging. Conventionally, conferences are meant to serve as platforms for meeting people, for exchanging ideas, for collaborating and getting inspiration through face-to-face communication!!

Organizing this virtual conference was a completely new experience. But with the support from our charismatic patrons, eminent experts, enthusiastic participants, diligent faculty, staff & research scholars of the institute, finally experts around the world, authors and faculty & scholars of the host institute were connected electronically in the virtual domain, using zoom, for the Inaugural & 14 other Sessions of the two-day AICTE, India & TEQIP-III sponsored **Second International Conference on "Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology**".

The concept of sustainability is central to all development; the term becomes more relevant by each passing day as the very existence of life on this planet is endangered due to the continuous and mindless exploitation of nature and natural resources due to population explosion, economic growth, infrastructure development, lifestyle changes and many other such factors.

There is an urgent need to develop technologies that are sustainable. There is a need for experts from different domains to join hands, come together and create models and systems which are able to produce sustainable solutions to current and emerging problems for the benefit of the society. Innovations and advancements which have taken place in intelligent computing paradigm over the last few decades have provided smart solutions for almost all kinds of societal problems. Therefore, the focus of this conference is towards interdisciplinary applications of Intelligent & sustainable computing.

Most practical real world problems are usually ill defined, noisy, uncertain and complex which make them difficult to solve using traditional computational techniques and algorithms. Computational intelligence based techniques are found to deal with real problems and situations very effectively due to their model free structure, learning ability and a flexible approach. The interdisciplinary applicability of this paradigm makes it very attractive to researchers.

Right from infrastructure management to data mining, ICT, pattern recognition, image & video processing, healthcare informatics, bioinformatics, renewable energy pricing, scheduling and dispatch, internet of things, big data analysis, real-time operating systems, smart homes and devices, electric vehicles, computer integrated manufacturing, biomedical engineering etc. are domains

where machine learning techniques and computational intelligence are extensively being used for designing, developing, manufacturing, controlling, analyzing and optimizing diverse engineering systems and processes.

Technology is progressing at a very fast pace, which is putting a great burden on natural resources, creating heavy damage to the environment. The price of development is being paid in the form of climate change, hazardous pollution levels and degradation of the environment, which is endangering the very existence of life of the planet earth. There is a need for technocrats, academicians, researchers and all other stakeholders to come together and deliberate on this issue and try to find intelligent solutions to the problem. Scientific discoveries and technological innovations taking place for fulfilling the requirements of the power and energy sector, manufacturing sector, transportation, industrial automation, waste disposal etc. now must pointedly focus on the ecological footprint. **Madhav Institute of technology & Science, Gwalior is committed to this theme and therefore this is the second international conference being organized in this series**.

The first AICTE sponsored ICSISCET-2019 was conducted last year on 02-03 November 2019. Over 148 papers were received, 88 papers were accepted after rigorous review for presentation under 10 tracks; 16 sessions were conducted; 10 expert sessions were conducted; 24 experts contributed as sessions chairs and over 100 faculty & scholars participated. **As an environment friendly initiative and the sustainability theme, the best practice of giving e-certificates was started in the institute**. The conference proceeding with 51 papers was published by Springer {Proceedings in Adaptation Learning & Optimization (PALO) series} entitled "**Intelligent Computing Applications for Sustainable Real-World Applications**". One edited volume was also published with 09 papers selected in the domain **"Nature Inspired Optimization for Electrical Power System"** by Springer series 'Algorithms for Intelligent Systems' (AIS). Both these books have been well received by the researchers and show more than 5600 & 1500 downloads respectively (within six months of publication) till this report is being compiled. In the Second ICSISCET-2020:

- Over 102 papers were received; 69 papers were accepted after rigorous review for presentation under 4 tracks; 46 were selected for publication; 08 expert sessions were conducted; Six paper presentation sessions were; 18 experts contributed as sessions chairs.

- Single blind review was carried out with minimum 2 and maximum 3 reviewers. The authors were asked to submit the marked copy of the revised paper to highlight the changes incorporated on account of reviewers' suggestions along with a separate 'Author Response File'.
- The conference proceedings will be published in Algorithms for Intelligent systems (AIS) Springer Book Series, entitled **"Artificial Intelligence and Sustainable Computing - Proceedings of ICSISCET 2020".** (https://www.springer.com/series/16171).
- The contract for the same has been signed with **Springer Nature Singapore Pte Ltd** on 10th November 2020.

# ACKNOWLEDGEMENT

The organizing chairs of the second International Conference on "Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology" gratefully acknowledge financial support from the **All India Council for Technical Education (AICTE), New Delhi**, India (Sanction order F. No. 67-4/IDC/GOC/Policy-6/ 2019-20 dated 25.06.2020) and Technical Education Quality Improvement Programme (TEQIP), Phase III (A Government of India Project assisted by the World Bank).

The organizers also acknowledge contribution from the **Delhi Technological University (DTU), Delhi, India**, under twinning arrangement in TEQIP-III.

The **conference patron Prof. K. K. Aggarwal, Chairman NBA**, was the guiding force behind the conference, and he also kindly accepted to deliver the keynote address, for which the organizers are eternally indebted.

**Dr. P.N. Suganthan** of Nanyang Technological University, Singapore, **Dr. Anuradha Ranasinghe** of Liverpool Hope University, United Kingdom, **Dr. Swagatam Das** of Indian Statistical Institute, Kolkata, West Bengal, India, **Dr. Carlos A. Coello Coello** of CINVESTAV-IPN, Mexico, **Dr. R.V. Rao** of NIT, Surat, Gujrat, India, **Dr. Sumantra Dutta Roy** of IIT, Delhi, India, **Dr. J.C. Bansal** of South Asian University, New Delhi, India, and **Dr. B. K. Panigrahi** of IIT, Delhi, India deserve a special mention for sparing their valuable time for delivering the Technical sessions.

The organizers are grateful for the constant inputs and support from our Conference Chairs P**rof. R. V. Rao of NIT, Surat, India Dr. J. C. Bansal of South Asian University, New Delhi**, and **Dr. Mukhtiar Singh of DTU, Delhi, India**. Without their support the conference could not have been conducted at this scale.

**Dr. Aninda Bose,** Senior Editor, Springer Nature, deserves special thanks for helping the organizers in publishing the proceedings.

The organizing team is grateful to **Mr**. **Prashant Mehta, IAS & Former Director General of the Academy of Administration, Bhopal**, for sparing time to inaugurate the conference.

Sincere thanks to Alumnus and Secretary of **The Scindia Engineering College Society, Gwalior, Er. Ramesh Agrawal**, for his constant support. The conference could not have been possible without the support, motivation and guidance of the **Director, MITS, Dr. R.K. Pandit**.

Thanks, are also due to all the **esteemed reviewers** for their time and significant contribution in maintaining the quality of the papers.

The contribution of **internal and external experts** as **session chairs** and the **session support teams** during the two days was crucial for the effective conduction of the conference. They played a key role in conference conduction by giving valuable comments for improving the quality of the paper and by ensuring that all reviewer comments were incorporated into the revised papers, before publication. The organizers are grateful for their support and efforts in conference conduction.

During the COVID times, organizing an International conference in **virtual mode** was quite challenging. The hard work and efforts of the **Conference Core Team, Dr Pratesh Jayaswal, Dr. Vijay Bhuria, Dr. R.R. Singh, Mr. Atul Chauhan, Mr. Nikhil Paliwal, Ms. Poonam Singh, Ms. Hemlata Arya, Mr. Arun Rana, Ms. Aishwarya, Mr. Rajesh Sharma & Mr. Vinod Sharma** is sincerely acknowledged. The members have worked relentlessly and have left no stone unturned to make the e-conference a reality.

Thanks are also due to media persons, guests, authors and all those who have directly or indirectly contributed in organizing and conducting this conference.

**Organizing Team - ICSISCET 2020**

# OBJECTIVES OF THE CONFERENCE

Technology is progressing at a very fast pace which is putting great burden on natural resources, creating heavy damage to environment. The price of development is being paid in the form of climate change, hazardous pollution levels and degradation of environment, which is endangering the very existence of life of the planet earth. There is a need for technocrats, academicians, researchers and all other stakeholders to come together and deliberate on this issue and try to find engineering solutions to the problem. This is the time when new innovations, start-ups and novel ideas are needed to address the ecological problems created by industrial and other ventures. Alternate solutions are urgently needed to handle the crisis created by the previous technological set up.

There is a need for professionals from Electrical Engineering, Electronics and Communication Engineering, Mechanical & Automobile Engineering, Computer Science, Information Technology, Energy Studies and mathematicians to come together and collaborate for generating sustainable solutions for maintaining the growth of economy without damaging the environment.

There is an urgent need to develop technologies that are sustainable. The idea is to unite experts from different domains to join hands and create models and systems which are able to produce sustainable solutions to current and emerging problems for the benefit of the society. Innovations and advancements which have taken place in intelligent computing paradigm over the last few decades have provided smart solutions for almost all kinds of societal problems. Therefore, the focus of this conference is towards interdisciplinary applications of Intelligent & sustainable computing.

The conference aims to bring together researchers, technocrats, academicians and industrialists on a common platform to deliberate on various issues arising in this scenario.

# CALL FOR PAPER

"Second International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology" (ICSISCET-2020)

Sponsored by AICTE & TEQIP-III

**Call for Papers**

***Important Dates***

- Last date of paper Submission: October 15, 2020
- Notification of acceptance: October 31,2020
- Camera-ready submission of accepted papers: November 10, 2020
- Registration of accepted papers: November 15, 2020
- E-Conference Date: December 18-19, 2020

**Submission Information:**
**Website link:** http://icsiscet2020.mitsgwalior.in/
**Through Easy Chair:** https://easychair.org/cfp/ICSISCET2020

**The Madhav Institute of Technology & Science (MITS), Gwalior is organizing the Second International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology "ICSISCET 2020" during 18-19 December, 2020. The conference will be conducted in Online Mode as instructed by the AICTE.**
**Prospective authors are invited to Submit full papers to the Second edition *ICSISCET-2020* according to the following guidelines.**

- *The language of the conference is English. Papers should be free from grammatical and typographical errors.*
- *The paper should be formatted according to the guidelines; Springer author kit may be downloaded from the website for templates.*
- *The work should be original and must not be concurrently submitted elsewhere for consideration. **A declaration of this effect must be submitted along with the paper.***
- *The length of the **paper should not exceed 12 pages**. However, if after the review the number of pages' increases, nominal extra page charges will be applicable.*
- *Papers must be **submitted online via the easy chair link** provided on the conference website.*
- *All submitted **papers will be subjected to rigorous review by two domain experts** and papers will be accepted based on originality, clarity and significance in the present context.*
- ***For publication, it is mandatory that at least one of the authors will register for the conference.***
- ***Plagiarism policy: The paper should be checked for plagiarism using standard software such as Turnitin /Authenticate, etc and the overall similarity content should not be greater than 20% where similarity from any single source should not exceed 4-5% including self-publications.***

**All Accepted and presented Papers will be published in Springer Book Series-**

**"Algorithms for Intelligent systems (AIS)"**

https://www.springer.com/series/16171

***The registration fee for Accepted Papers***

| | Online Paper presentations |
|---|---|
| Industry & Academia | 2000/- |
| Students & Scholars | 1000/- |
| Foreign Participants | $100 |

****The Certificates will be issued to only those Participants who have registered and presented their paper through Online Platform.**

**The tracks to be covered during the conference include (but are not limited to):**

Track 1: Sustainable Computing and Information Technology

Information security, natural language processing, information security, data networks, wireless network and security, network management and traffic engineering, language technologies and information retrieval, computer systems organization and communication networks, information systems and communication service, software engineering and operating systems, management of computing and information systems green IT, eco-friendly materials, cloud & grid computing, re-cycling and disposal of e-waste, environmental footprint, awareness drive, energy efficient data centre design, telecommuting, mobile computing, application security

## Track 2: Computational Intelligence & Machine learning

Optimization techniques, system modelling and simulation fuzzy system, evolutionary computational methods, artificial neural network, Bayesian learning, hybrid intelligent systems, soft computing, smart computing, big-data ((collection, analyses and security), data mining, signal, image and video processing, robotics & computer vision, peer-to-peer computing.

## Track 3: Embedded Systems & VLSI Design

Embedded architectures, software and hardware, embedded cyber security and cryptography, real time operating systems, microcontrollers and applications, embedded machine learning, deep learning and artificial intelligence
Internet of things (IOT), sensors, computing, control, communication, IOT applications, medical electronics, block chain technology, drones, smart homes and devices, role of electronics in efficiency enhancement, automotive and industrial applications, automation & control, system on chip (SOC) & semiconductor technology.

## Track 4: Advances in intelligent computing, sustainable engineering systems and practices

Theory, applications, and design of intelligent systems and intelligent computing in engineering disciplines, natural sciences, computer and information science, act, economics, business, e-commerce, environment, healthcare, life science.

fusion of computational paradigms, human-centered and human-centric computing, social intelligence, ambient intelligence, computational neuroscience, artificial life, virtual worlds and society, cognitive science and systems, DNA and immune based systems, self-organizing and adaptive systems, e-learning and teaching, recommender systems, knowledge-based paradigms, machine ethics, Intelligent data analysis, knowledge management, intelligent agents, intelligent decision making and support, intelligent network security, trust management, interactive entertainment, web intelligence and multimedia. Smart Engineering Solutions for waste management, sustainable architecture, roads and transportation network, climate change, green buildings Sustainable manufacturing practices and design, Smart manufacturing, Industry 4.0, data analytics, AI in industry, optimization techniques smart grid technologies, communication, control, power electronics, energy storage, demand control and response, storage technologies and batteries, power quality and energy efficient systems, intelligent protective devices.

***We seek active participation from you, research scholars and other faculty members of your institution. Kindly forward this CFP to your colleagues/ peers.***

**Thanks and Regards,**

COORDINATORS
Dr. Manjaree Pandit & Dr. Laxmi Srivastava

ORGANIZING SECRETARIES
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# PUBLISHING PARTNERS

The formal contract for publishing papers presented in the **Second International Conference on "Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology** was signed on 10th November 2020 with **Springer Nature Switzerland.** The conference proceeding is being prepared for publication in Springer Series, **Algorithms for Intelligent systems (AIS)** (https://www.springer.com/series/16171)**.**

The title is **"Artificial Intelligence and Sustainable Computing - Proceedings of ICSISCET 2020"**. Special Issue of International Journal of swarm intelligence, Inderscience on "Solutions of real-world problems using state-of-the-art computational intelligence and machine learning tools".

The editors are Dr. Harimohan Dubey, Dr. Manjaree Pandit , Dr. Laxmi Srivastava, MITS, Gwalior, India & Dr. B.K. Panigrahi, IIT, Delhi, India.

# CONFERENCE TRACKS

## Track 1: Sustainable Computing and Information Technology

Information security, natural language processing, information security, data networks, wireless network and security, network management and traffic engineering, languagetechnologies and information retrieval, computer systems organization and communication networks, information systems and communication service, software engineering and operating systems, management of computing and information systems green IT, eco- friendly materials, cloud & grid computing, re-cycling and disposal of e-waste, environmental footprint, awareness drive, energy efficient data centre design, telecommuting, mobile computing, application security

## Track 2: Computational Intelligence & Machine learning

Optimization techniques, system modelling and simulation fuzzy system, evolutionary computational methods, artificial neural network, Bayesian learning, hybrid intelligent systems, soft computing, smart computing, big-data ((collection, analyses and security), data mining, signal, image and video processing, robotics & computer vision, peer-to-peer computing.

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Internet of things (IOT), sensors, computing, control, communication, IOT applications, medical electronics, block chain technology, drones, smart homes and devices, role of electronics in efficiency enhancement, automotive and industrial applications, automation & control, system on chip (SOC) & semiconductor technology.

## Track 4: Advances in intelligent computing, sustainable engineering systems and practices

Theory, applications, and design of intelligent systems and intelligent computing in engineering disciplines, natural sciences, computer and information science, act, economics, business, e-commerce, environment, healthcare, life science. Fusion of computational paradigms, human-centered and human-centric computing, social intelligence, ambient intelligence, computational neuroscience, artificial life, virtual worlds and society, cognitive science and systems, DNA and immune based systems, self- organizing and adaptive systems, e-learning and teaching, recommender systems, knowledge-based paradigms, machine ethics, Intelligent data analysis, knowledge management, intelligent agents, intelligent decision making and support, intelligent network security, trust management, interactive entertainment, web intelligence and multimedia. Smart Engineering Solutions for waste management, sustainable architecture, roads and transportation network, climate change, green buildings Sustainable manufacturing practices and design, Smart manufacturing, Industry 4.0, data analytics, AI in industry, optimization techniques smart grid technologies, communication, control, power electronics, energy storage, demand control and response, storage technologies and batteries, power quality and energy efficient systems, intelligent protective devices.

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6. **Session-VI**: Dr. Jawar Singh, IIT, Patna, India; Dr Anmol Ratan Saxena, NIT, Delhi, India ; Dr. P K Singhal & Dr Vijay Bhuria, MITS, Gwalior, India

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1. Paper presentation Session-I: Ms. Rishika Shah & Mr. Pushpendra Singh
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6. Paper presentation Session-VI: Ms. Nupur Verma & Ms Aditi Tiwari, Mr. Vimal Tiwari

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48. Dr. Vandana Vikas Thakre, MITS, Gwalior, India
49. Dr. Amit Aherwar, MITS, Gwalior, India

# LIST OF INVITED SPEAKERS

| | |
|---|---|
| **Keynote Address** | **Dr. K.K. Aggarwal**<br>Chairman, National Board of Accreditation, New Delhi, India |

| Technical Session | Resource Person |
|---|---|
| **Technical Session - I** | **Dr. P.N. Suganthan**<br>Nanyang Technological University, Singapore |
| **Technical Session – II** | **Dr. Anuradha Ranasinghe**<br>Liverpool Hope University, United Kingdom |
| **Technical Session - III** | **Dr. Swagatam Das**<br>Indian Statistical Institute, Kolkata, West Bengal, India |
| **Technical Session – IV** | **Dr. Carlos A. Coello Coello**<br>CINVESTAV-IPN, Mexico |
| **Technical Session – V** | **Dr. R.V. Rao**<br>NIT, Surat, Gujrat, India |
| **Technical Session – VI** | **Dr. Sumantra Dutta Roy**<br>IIT, Delhi, India |
| **Technical Session – VII** | **Dr. J.C. Bansal**<br>South Asian University, New Delhi, India |
| **Technical Session - VIII** | **Dr. B. K. Panigrahi**<br>IIT, Delhi, India |

# CONFERENCE SCHEDULE

## SCHEDULE

### Day 1: 18.12.2020 [Friday]

| Indian Time | 10:00 - 10:30 AM | 10:30 - 11:00 AM | 11:00 - 11:30 AM | 11:30 AM - 12:00 Noon | 12:00 Noon - 02:30 PM | 02:30-03:00 PM | 03:00-05:30 PM | 03:00-05:30 PM |
|---|---|---|---|---|---|---|---|---|
| Session | Inaugural Session | Keynote Address | Technical Session-I | Technical Session-II | Paper Presentation Session - I | Technical Session-III | Paper Presentation Session - II | Paper Presentation Session - III |

### Day 2: 19.12.2020 [Saturday]

| Indian Time | 09:30 - 10:00 AM | 10:00 - 10:30 AM | 10:30 - 11:00 AM | 11:00 - 11:30 AM | 11:30-01:45 PM | 01:45 - 04:00 PM | 01:45 - 04:00 PM | 04:00 - 04:30 PM | 04:30 PM Onwards |
|---|---|---|---|---|---|---|---|---|---|
| Session | Technical Session - IV | Technical Session - V | Technical Session - VI | Technical Session - VII | Paper Presentation Session - IV | Paper Presentation Session - V | Paper Presentation Session - VI | Technical Session - VIII | Valedictory Session |

| | |
|---|---|
| **Keynote Address** | **Dr. K.K. Aggarwal**<br>Chairman, National Board of Accreditation, New Delhi, India |

| Paper Presentation Session | Paper IDs |
|---|---|
| Paper Presentation Session – I | 67, 91, 82, 15, 47, 84, 33 |
| Paper Presentation Session – II | 03, 53, 43, 92, 12, 62, 78 |
| Paper Presentation Session - III | 97, 49, 94, 55, 54, 96, 10 |
| Paper Presentation Session – IV | 70, 76, 05, 102, 77, 68, 79, 74 |
| Paper Presentation Session – V | 38, 26, 80, 34, 60, 18, 85, 14 |
| Paper Presentation Session – VI | 101, 35, 100, 61, 48, 95, 41, 83, 81, 88 |

| Technical Session | Resource Person |
|---|---|
| Technical Session - I | **Dr. P.N. Suganthan**<br>Nanyang Technological University, Singapore |
| Technical Session – II | **Dr. Anuradha Ranasinghe**<br>Liverpool Hope University, United Kingdom |
| Technical Session - III | **Dr. Swagatam Das**<br>Indian Statistical Institute, Kolkata, West Bengal, India |
| Technical Session – IV | **Dr. Carlos A. Coello Coello**<br>CINVESTAV-IPN, Mexico |
| Technical Session – V | **Dr. R.V. Rao**<br>NIT, Surat, Gujrat, India |
| Technical Session – VI | **Dr. Sumantra Dutta Roy**<br>IIT, Delhi, India |
| Technical Session – VII | **Dr. J.C. Bansal**<br>South Asian University, New Delhi, India |
| Technical Session - VIII | **Dr. B. K. Panigrahi**<br>IIT, Delhi, India |

# *Details of Inaugural Session & Keynote Address*

| Inaugural Session In-Charge: Dr. Manish Dixit, Dr. Vijay Bhuria | | | |
|---|---|---|---|
| **Day-1 [18.12.2020] - Friday** | | | **Indian Time** |
| **Introduction to Conference Theme** | **Dr. Manjaree Pandit** | Coordinator, ICSISCET-2020 | **10:00 - 10:30 AM** |
| **Welcome Address** | **Dr. R.K. Pandit** | Director, MITS, Gwalior, India | |
| **Address by Guest of Honour** | **Er. Ramesh Agrawal** | Secretary, Scindia Engineering College Society, Gwalior, India | |
| **Address by Chief Guest** | **Shri Prashant Mehta** | Former Director General, Academy of Administration, Bhopal, India | |
| **Keynote Address** | **Dr. K.K. Aggarwal** | Chairman, National Board of Accreditation, New Delhi, India | **10:30 - 11:00 AM** |

# *Details of Technical Sessions*

**Technical Session In-Charge: Prof. Prabhakar Sharma, Prof. R. R. Singh Makwana, Mr. Atul Chauhan, Prof. Arun Rana, Prof. Aishwarya, Prof. Hemlata Arya, Mr. Feyaz Ahmad Warsi**

| **Day-1 [18.12.2020] - Friday** | | | | **Indian Time** |
|---|---|---|---|---|
| **Technical Session-I** | **Dr. P.N. Suganthan** | Naynyang University, Singapore | | **11:00 - 11:30 AM** |
| **Technical Session-II** | **Dr. Anuradha Ranasinghe** | Liverpool Hope University, United Kingdom | | **11:30 AM - 12:00 Noon** |
| **Technical Session-III** | **Dr. Swagatam Das** | Indian Statistical Institute, Kolkata, West Bengal, India | | **02:30 - 03:00 PM** |
| **DAY-2 [19.12.2020] - Saturday** | | | | |
| **Technical Session-IV** | **Dr. Carlos A. Coello Coello** | CINVESTAV-IPN, Mexico | | **09:30 - 10:00 AM** |
| **Technical Session-V** | **Dr. R.V. Rao** | Academic Ethics | NIT, Surat, Gujrat, India | **10:00 - 10:30 AM** |
| **Technical Session-VI** | **Dr. Sumantra Dutta Roy** | Intelligent Image Processing | IIT, Delhi, India | **10:30 - 11:00 AM** |
| **Technical Session-VII** | **Dr. J.C. Bansal** | Nature Inspired Optimization | South Asian University, New Delhi, India | **11:00 - 11:30 AM** |
| **Technical Session-VIII** | **Dr. B. K. Panigrahi** | IIT, Delhi, India | | **04:00 - 04:30 PM** |

# *Details of Paper Presentation Session – I*

| **Paper Presentation Session - I : 18.12.2020** | | | | **Indian Time** |
|---|---|---|---|---|
| **Session Chair: Dr. Harish Sharma, RTU, Kota, India**<br>**Session Chair: Dr. R.S. Jadon, MITS, Gwalior, India**<br>**Session Chair: Dr. Sulochana Wadhwani, MITS, Gwalior, India**<br>**SESSION TEAM: Ms. Rishika Shah, Mr. Pushpendra Singh** | | | | **12:00 Noon - 02:30 PM** |
| **Paper ID** | **Name of Presenter** | **Topic** | **Affiliation** | |
| **67** | Swati | Implementation and Performance Analysis of ECC Based Text Encryption on Raspberry Pi 3 | IIT, Patna, Bihar, India | |
| **91** | Md Saif | Applications of graphene-based ink in heating purpose and a prototype using NodeMCU ESP8266 | Tata Steel Limited, Jamshedpur, Jharkhand, India | |
| **82** | Soumya Shrivastava | Deep Learning Approach for Mobile Banking Fraudulent Transaction to Detect Financial Frauds | MITS, Gwalior, MP, India | |
| **15** | Kamal Sharma | AHP and NSGA II based Time-Cost-Quality Trade-Off Optimization model for Construction Projects | MITS, Gwalior, MP, India | |
| **47** | Ravi Kumar | A comparative study of meta-heuristic based task scheduling in cloud computing | Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India | |
| **84** | Vikram Saini | Sparse Solutions in the Identification of Output Error Models | MITS, Gwalior, MP, India | |
| **33** | Rinisha Bagaria | A Wavelet Based Segmentation Technique For Medical Images | MITS, Gwalior, MP, India | |

# *Details of Paper Presentation Session – II*

| **Paper Presentation Session - II : 18.12.2020** | | | | **Indian Time** |
|---|---|---|---|---|
| **Session Chair: Dr. Pradyumn Chaturvedi, VNIT, Nagpur, India**<br>**Session Chair: Dr. Chandra Shekhar Malvi, MITS, Gwalior, India**<br>**Session Chair: Dr. Amit Aherwar, MITS, Gwalior, India**<br>**SESSION TEAM: Ms. Rajni Mourya, Mr. Vikas Thakur** | | | | **03:00-05:30 PM** |
| **Paper ID** | **Name of Presenter** | **Topic** | **Affiliation** | |
| **3** | Aakash Kumar Seth | Control of On-Board Electric Vehicle Charger | Delhi Technological University, Delhi, India | |
| **53** | Meena Panchore | Impact of Channel-Hot-Carrier Damage in Dopingless Devices at Elevated Temperature | NIT, Patna, Bihar, India | |
| **43** | Pushpendra Singh | Enviro-economic Analysis of Ginger Drying in Hybrid Active Greenhouse Solar Dryer | MITS, Gwalior, MP, India | |
| **92** | Saurabh Kumar Rajput | Improving Energy Efficiency of Ring Frame Motor of Textile Industry | NIT, Patna, Bihar, India | |
| **12** | Aniket Anantrao Nakhate | Internet of things (IOT) Infrastructure for Advance Electric Power Systems | JSPM's Bhivrabai Sawant Institute of Technology & Research, Wagholi, Pune, India | |
| **62** | Vikas Kumar Thakur | Performance Analysis of Different Tilt Angles Based Solar Still | MITS, Gwalior, MP, India | |
| **78** | Gaurav Saxena | Performance Analysis and ANN Modelling of Apple Drying in ETSC Assisted Hybrid Active Dryer | MITS, Gwalior, MP, India | |

# *Details of Paper Presentation Session – III*

| **Paper Presentation Session - III : 18.12.2020** | | | | **Indian Time** |
|---|---|---|---|---|
| **Session Chair: Dr. Anmol Ratan Saxena, NIT, Delhi**<br>**Session Chair: Dr. Pratesh Jayaswal, MITS, Gwalior, India**<br>**Session Chair: Dr. Akhilesh Tiwari, MITS, Gwalior, India**<br>**SESSION TEAM: Mr. Arvind Singh Tomar, Mr. Shubham Sharma** | | | | |
| **Paper ID** | **Name of Presenter** | **Topic** | **Affiliation** | |
| **97** | Ashima Kulshreshta | Game Theoretic Optimization for PV-Battery fed Lighting Systems in DC Homes | NIT, Delhi, India | |
| **49** | Rishika Shah | Artificial Neural Networks as a tool for thermal comfort prediction in built environment | MITS, Gwalior, MP, India | |
| **94** | Raghvendra Tiwari | Contingency Analysis of Complex Power System Using Active Power and Voltage Performance Index | MNNIT Allahabad, Prayagraj, UP, India | **03:00-05:30 PM** |
| **55** | Shubhangi Jadon | An Energy-Efficient Mobile Sink based Clustering using Simulated Annealing for Traversing | MITS, Gwalior, MP, India | |
| **54** | Abhishek Kumar Jaiswal | Admixtures: The Magical Potion to Concrete | Afcons Infrastructure Limited, Mumbai, India | |
| **96** | Vimal Tiwari | Optimal Sizing and Allocation of DG in Distribution System using TLBO | MITS, Gwalior, MP, India | |
| **10** | Anshul Agarwal | Wideband Microstrip Stepped Two-Way Power Divider for 3G/4G Applications | MITS, Gwalior, MP, India | |

# *Details of Paper Presentation Session – IV*

| **Paper Presentation Session - IV : 19.12.2020** | | | | **Indian Time** |
|---|---|---|---|---|
| **Session Chair: Dr. Arvind Jain, NIT, Agartala**<br>**Session Chair: Dr. Manoj Kumar Trivedi, MITS, Gwalior, India**<br>**Session Chair: Dr. A. K. Wadhwani, MITS, Gwalior, India**<br>**SESSION TEAM: Mr. Kamal Sharma, Mr. Shubham Chitransh** | | | | |
| **Paper ID** | **Name of Presenter** | **Topic** | **Affiliation** | |
| **70** | Punam Prabha | Security of IoT based e-healthcare System: A Blockchain Solution | NIT, Patna, Bihar, India | |
| **76** | Gopal Singh Kushwah | DDoS attacks detection in cloud computing using ANN and Imperialistic competitive algorithm | NIT, Kurukshetra, Haryana, India | |
| **05** | Kamal Sharma | NSGA III based Time-Cost-Environmental Impact Trade-Off Optimization model for Construction Projects | MITS, Gwalior, MP, India | **11:30-01:45 PM** |
| **102** | Kushagra Krishna | Malicious Webpage Classification using Deep Learning Technique | MANIT, Bhopal, MP, India | |
| **77** | Rishika Sood | Analysis and Review of the Kinetic Façades in Kolding Campus, South Denmark University | MITS, Gwalior, MP, India | |
| **68** | Kamlesh Kumar Pandey | Approximate Partitional Clustering through Systematic Sampling in Big Data Mining | Dr. Harisingh Gour Vishwavidyalaya, Sagar, MP, India | |
| **79** | Shyam Babu | A Review on Analysis of Electroencephalography (EEG) Signal Processing and Characteristics | MITS, Gwalior, MP, India | |
| **74** | Nikhil Paliwal | Jaya algorithm Based Load Frequency Control in Nuclear Power Plant Incorporating Energy Storage Unit | MITS, Gwalior, MP, India | |

# *Details of Paper Presentation Session – V*

| **Paper Presentation Session - V : 19.12.2020** | | | | **Indian Time** |
|---|---|---|---|---|
| **Session Chair: Dr. Ravi Shankar, NIT, Patna**<br>**Session Chair: Dr. Manish Dixit, MITS, Gwalior, India**<br>**Session Chair: Dr. Manoj Gaur, MITS, Gwalior, India**<br>**SESSION TEAM: Ms. Priyanka Gupta, Ms. Shradha Dubey, Mr. Vinay Kumar Tatikayala** | | | | **01:45 - 04:00 PM** |
| **Paper ID** | **Name of Presenter** | **Topic** | **Affiliation** | |
| **38** | Shradha Singh Parihar | Optimal Integration of multi-type DG in Radial Distribution Network | The NorthCap University, Gurugram, Haryana, India | |
| **26** | Anurag Soni | A Particle Swarm Optimization based model for Quality Safety trade-off optimization under constraint duration and cost of construction project | MITS, Gwalior, MP, India | |
| **80** | Prachi Mafidar Joshi | Equilibrium Optimizer based optimal allocation of SVCs for voltage regulation and Loss minimization | Shri GS Institute of Technology and Science, Indore, MP, India | |
| **34** | Kingshuk Roy | MVO Based Approach for Optimal DG and Capacitor Allocation | MITS, Gwalior, MP, India | |
| **60** | Sunita Shukla | An optimum multi-objective dynamic scheduling strategy for a hybrid microgrid system using fuzzy rank based modified differential evolution algorithm | MITS, Gwalior, MP, India | |
| **18** | Deepak Paliwal | Optimal Controller Design for Buck converter fed PMBLDC motor using Salp Swarm Algorithm (SSA) | Rajasthan Technical University, Kota, Rajasthan, India | |
| **85** | Poonam Singh | Techno-economic assessment of a hybrid renewable energy system using dynamic search space | MITS, Gwalior, MP, India | |
| **14** | Kamal Sharma | Simulated Annealing based Time-Cost Trade-off model for Construction Projects | MITS, Gwalior, MP, India | |

# *Details of Paper Presentation Session – VI*

| **Paper Presentation Session - VI : 19.12.2020** | | | | **Indian Time** |
|---|---|---|---|---|
| **Session Chair: Dr. Jawar Singh, IIT, Patna**<br>**Session Chair: Dr. Nitin Mallik, The NorthCap University, Gurgaon, India**<br>**Session Chair: Dr. P. K. Singhal, MITS, Gwalior, India**<br>**Session Chair: Dr. Vijay Bhuria, MITS, Gwalior, India**<br>**SESSION TEAM: Prof. Nupur Verma, Ms. Aditi Tiwari, Mr. Vimal Tiwari** | | | | |
| **Paper ID** | **Name of Presenter** | **Topic** | **Affiliation** | |
| **101** | Shailesh Kumar Thakur | Lung Cancer: Detection And Classification Of Malignancies | MANIT, Bhopal, MP, India | |
| **35** | Deep Kishore Parsediya | Analysis of Phase Error in Rotman Lens design with Different Beam Angles | MITS, Gwalior, MP, India | |
| **100** | Samriddhi Bhasin | Modeling the effect of Quarantine and Isolation for COVID-19 Spreading | Bhagwan Parshuram Institute of Technology, Delhi, India | |
| **61** | Vinay Kumar Tatikayala | Modified DC-DC Converter for integration of Energy sources | MITS, Gwalior, MP, India | **01:45 - 04:00 PM** |
| **48** | Manish Gaikwad | Electromagnetic modeling and parameters extraction of metal contact and capacitive type RF MEMS switch | Rajiv Gandhi Institute of Technology, Versova, Andheri West, Mumbai, Maharashtra, India | |
| **95** | Himmat Singh | Optimal Placement of DG and Capacitor in Radial Distribution Networks Using Differential algorithm | MITS, Gwalior, MP, India | |
| **41** | Vinita Khandegar | Optimization of congo red dye by Iron oxide@AC | University School of Chemical Technology, GGSIP University, New Delhi, India | |
| **83** | Vishal Chaudhary | Combined Heat-Power Economic Emission Dispatch for a Microgrid using Coyote Optimization | MITS, Gwalior, MP, India | |
| **81** | Tanya Shrivastava | LGCBPNN: Determine the Multilayer Neural Network using Local Gravitational Clustering | MITS, Gwalior, MP, India | |
| **88** | Kimaya S Patil | Freshivo, Achieving Social Sustainability through Technology | IIT, Roorkee, Uttarakhand India | |

# LIST OF REVIEWERS

1. **Dr. Ravishankar, NIT, Patna, India**
2. **Dr. Nekram Rawal, MNNIT, Allahabad, India**
3. **Dr. Ramjeeprasad Gupta, BIT, Sindri, India**
4. **Dr. Jyoti Vimal, MITS, Gwalior, India**
5. **Dr. Nitin Singh, MNNIT, Allahabad, India**
6. **Dr. Vineet Shekhar, BIT, Sindri, India**
7. **Dr. Vikram Saini, MITS, Gwalior, India**
8. **Dr. Anmol Ratan Saxena, NIT, Delhi, India**
9. **Dr. Shishir Dixit, MITS, Gwalior, India**
10. **Ms. Bhavna Rathore, MITS, Gwalior, India**
11. **Dr. S C. Dutta, BIT, Sindri, India**
12. **Mr. Deep Kishore Parsediya, MITS, Gwalior, India**
13. **Mr. Saurabh Kumar Rajput, MITS, Gwalior, India**
14. **Dr. Preeti, SVSU, Meerut, India**
15. **Dr. Anshu Chaturvedi, MITS, Gwalior, India**
16. **Dr. Sulochana Wadhwani, MITS, Gwalior, India**
17. **Ms. Punjan Dohare, MITS, Gwalior, India**
18. **Mr. Punit Kumar Johari, MITS, Gwalior, India**
19. **Mr. Shubham Sharma, MITS, Gwalior, India**
20. **Mr. Vimal Tiwari, MITS, Gwalior, India**
21. **Dr. Jitu Kujur, BIT, Sindri, India**
22. **Mr. Salil Madhav Dubey, MITS, Gwalior, India**
23. **Mr. Praveen Bansal, MITS, Gwalior, India**

24. **Dr. Himmat Singh, MITS, Gwalior, India**
25. **Dr. Rakesh Singh Jadon, MITS, Gwalior, India**
26. **Mr. Nikhil Paliwal, MITS, Gwalior, India**
27. **Dr. Nitin Mallik, NorthCap University, Gurgaon, India**
28. **Dr. Gajanan Pandey, BBAU, Lucknow, India**
29. **Dr. Nishikant Kisku, BIT, Sindri, Jharkhand, India**
30. **Dr. Preeti Jain, JEC, Jabalpur, India**
31. **Dr. Rajeev Gupta, MNNIT, Allahabad, India**
32. **Dr. Manjaree Pandit, MITS, Gwalior, India**
33. **Dr. Amritanshu Pandey, IIT (BHU), Varanasi, India**
34. **Dr. Hari Mohan Dubey, MITS, Gwalior, India**
35. **Mr. Arun Kumar Singh, IIT, Roorkee, India**

# SESSION CHAIRS EXPERTS

## EXTERNAL SESSION CHAIR

| | |
|---|---|
| **Session – 1:** | **Dr. Harish Sharma, RTU, Kota, India** |
| **Session – 2:** | **Dr. Pradyumn Chaturvedi, VNIT, Nagpur, India** |
| **Session – 3:** | **Dr. Anmol Ratan Saxena, NIT, Delhi** |
| **Session – 4:** | **Dr. Arvind Jain, NIT, Agartala** |
| **Session – 5:** | **Dr. Ravi Shankar, NIT, Patna** |
| **Session – 6:** | **Dr. Jawar Singh, IIT, Patna**<br>**Dr. Nitin Mallik, The NorthCap University, Gurgaon, India** |

## INTERNAL SESSION CHAIR

| | |
|---|---|
| **Session – 1:** | **Dr. R.S. Jadon, MITS, Gwalior, India**<br>**Dr. Sulochana Wadhwani, MITS, Gwalior, India** |
| **Session – 2:** | **Dr. Chandra Shekhar Malvi, MITS, Gwalior, India**<br>**Dr. Amit Aherwar, MITS, Gwalior, India** |
| **Session – 3:** | **Dr. Pratesh Jayaswal, MITS, Gwalior, India**<br>**Dr. Akhilesh Tiwari, MITS, Gwalior, India** |
| **Session – 4:** | **Dr. Manoj Kumar Trivedi, MITS, Gwalior, India**<br>**Dr. A. K. Wadhwani, MITS, Gwalior, India** |
| **Session – 5:** | **Dr. Manish Dixit, MITS, Gwalior, India**<br>**Dr. Manoj Gaur, MITS, Gwalior, India** |
| **Session – 6:** | **Dr. P. K. Singhal, MITS, Gwalior, India**<br>**Dr. Vijay Bhuria, MITS, Gwalior, India** |

# SESSION CONDUCTION TEAM MEMBERS

1. Ms. Rishika Shah
2. Mr. Pushpendra Singh
3. Ms. Rajni Maurya
4. Mr. Vikas Kumar Thakur
5. Mr. Arvind Singh Tomar
6. Mr. Shubham Sharma
7. Mr. Kamal Sharma
8. Mr. Shubham Chitransh
9. Ms. Priyanka Gupta
10. Ms. Shradha Dubey
11. Mr. Vinay Kumar Tatikayala
12. Prof. Nupur Verma
13. Ms. Aditi Tiwari
14. Mr. Vimal Tiwari

# GUIDELINES FOR SESSION CHAIRS

1. Internal Session Chair is requested to ask the participants to stitch on their mikes and mark their attendance for the session.
2. The session documents (schedule, copies of papers to be presented in the session, the plagiarism resports & reviewer comments) were sent electronically to the internal & external session chairs in advance. The session chairs were requested to go through these documents.
3. Please go through these papers once to find any major discrepancies and report such issues in your comments and also ask the authors during the session to correct these issues. (This will be very helpful in post conference review and further publishing of proceedings in Springer AIS Series)
4. Please clearly announce in the session that papers which are (i) not formatted in Springer Format that was provided to them & (ii) not revised based on previous and present reviewer/session chair comments will not be published in the Springer Proceeding.
5. The session chairs will maintain the time schedule. Participants have been asked to send the recording of 8 minutes of their presentation in MP4. The recording will be played after which the participant can switch-on their mike for the question-answer period.
6. Each author must get minimum 15 minutes; however more time can be given if session chairs feel the need.
7. Written & signed review comments (general, brief) for each paper to be prepared and to be handed over to the session team.
8. Session Chair(s) will sum up the session with a brief address.

# GUIDELINES FOR SESSION CONDUCTION TEAM

1. Asking authors to check all their personal details, name, affiliation, paper title and mail id carefully.
2. Search and prepare a short biography of both Session Chairs and read it before the beginning of the session and introduce the Session Chairs.
3. The recording of paper presentation sent by the authors will be played by session team members.
4. After that the session team members will invite the external/internal chair for asking questions. Then they will open the session to other authors and participants.
5. Helping the Session Chairs in proper time management during the session using stop watch for adherence of time limit during question-answer period. However, if Session Chairs feel, more time can be given.
6. Awarding e-certificates to all authors at the end of the session. **Attendance for all authors is compulsory during the full session.**
7. Awarding e-certificates to external session chair after session ends.
8. Preparing a brief report of the session, mentioning the deliberations that took place.

# SESSION CONDUCTION SUMMARY (SESSION 1-6)

| Session | Accepted/Scheduled Papers | Presented Papers |
|---|---|---|
| 1. | 7 | 7 |
| 2. | 7 | 6 (01 Absent) |
| 3. | 7 | 7 |
| 4. | 8 | 8 |
| 5. | 8 | 8 |
| 6. | 10 | 10 |
| **TOTAL** | 47 | 46 |

# REPORT: SESSION - I

Springer

AICTE Sponsored Second *International Conference on*
*Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology*
(ICSISCET - 2020)
18-19 December, 2020

## *Attendance of Paper Presentation Session – I*

| Paper Presentation Session - I : 18.12.2020 | | | | | Indian Time |
|---|---|---|---|---|---|
| Session Chair: Dr. Harish Sharma, RTU, Kota, India<br>Session Chair: Dr. R.S. Jadon, MITS, Gwalior, India<br>Session Chair: Dr. Sulochana Wadhwani, MITS, Gwalior, India<br>SESSION TEAM: Ms. Rishika Shah, Mr. Pushpendra Singh | | | | | 12:00 Noon -02:30 PM |
| Paper ID | Name of Presenter | Topic | Affiliation | Contact Number | Attendance |
| 67 | Swati | Implementation and Performance Analysis of ECC Based Text Encryption on Raspberry Pi 3 | IIT, Patna, Bihar, India | 9771119224 | P |
| 91 | Md Saif | Applications of graphene-based ink in heating purpose and a prototype using NodeMCU ESP8266 | Tata Steel Limited, Jamshedpur, Jharkhand, India | 8210287689 | P |
| 82 | Soumya Shrivastava | Deep Learning Approach for Mobile Banking Fraudulent Transaction to Detect Financial Frauds | MITS, Gwalior, MP, India | 7772888827 | P |
| 15 | Kamal Sharma | AHP and NSGA II based Time-Cost-Quality Trade-Off Optimization model for Construction Projects | MITS, Gwalior, MP, India | 8077281918 | P |
| 47 | Ravi Kumar | A comparative study of meta-heuristic based task scheduling in cloud computing | Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India | 9017784446 | P |
| 84 | Vikram Saini | Sparse Solutions in the Identification of Output Error Models | MITS, Gwalior, MP, India | 9466500027 | P |
| 33 | Rinisha Bagaria | A Wavelet Based Segmentation Technique For Medical Images | MITS, Gwalior, MP, India | 8982650083 | P |

**Paper Presentation (Session - 1) : 18.12.2020**
**Session Chair 1: Dr. Harish Sharma, RTU, Kota, India**
**Session Chair 2: Dr. R.S. Jadon, MITS, Gwalior, India**
**Session Chair 3: Dr. Sulochana Wadhwani, MITS, Gwalior, India**
**SESSION TEAM: Ms. Rishika Shah, Mr. Pushpendra Singh**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 67 | Swati | Implementation and Performance Analysis of ECC Based Text Encryption on Raspberry Pi 3 | IIT, Patna, Bihar, India | 1. All References should be properly written, see reference 19.<br>2. All equations must be written properly, see section 2.<br>3. All citations must be continuous. Ref 1 and ref 2 are not cited in the very first paragraph.<br>4. Paper is not according to springer guidelines.<br>5. Literature survey must be continuous, see section 2 (Related work).<br>6. Preliminaries section should be concise with respect to the work done<br>7. What was concluded in this paper is to be written in two lines and added to the abstract.<br>8. Improve the Fig. 1 and 2 quality.<br>9. At page 3, the graph should be included with captions and proper citations.<br>10. Improve dpi for Fig. 3.<br>11. The results and discussion should be elaborated. | The author was asked to extend the work based on empirical findings. The author was actively involved in answering the queries of session Chair.<br>Rishika Shah<br>Pushpendra Singh<br>Name<br>Signature |



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**Paper Presentation (Session - 1) : 18.12.2020**
**Session Chair 1: Dr. Harish Sharma, RTU, Kota, India**
**Session Chair 2: Dr. R.S. Jadon, MITS, Gwalior, India**
**Session Chair 3: Dr. Sulochana Wadhwani, MITS, Gwalior, India**
**SESSION TEAM: Ms. Rishika Shah, Mr. Pushpendra Singh**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 91 | MD Saif | Applications of graphene-based ink in heating purpose and a prototype using NodeMCU ESP8266 | Tata Steel Limited, Jamshedpur, Jharkhand, India | 1.please correct the sentences carefully Throughout the paper for example- (Abstract section)In the times such as today may be written as "in recent time/ now a days"<br>2. Refer table 2, It will be useful if author can provide an empirical formulation between current, voltage, electrical power temperature and time to reach certain temperature.<br>3. It will be useful if author can provide the thermal modelling for heat transfer.<br>4. The algorithm used for the temperature control is may be written in the form of psudo code, use standard formatting for it.<br>5. It is better to remove 1,2 and 3 from table no 1, as Low, Medium and High is self explanatory.<br>6. Follow standard guidelines of springer for writing the references and add some latest references. | Contributions were asked by session chair to which author replied satisfactorily.<br>Here only NodeMCU was used author replied that due to prior experience this was chosen<br>Rishika Shah<br>Pushpendra Singh<br>Name<br>Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 82 | Soumya Shrivastava | Deep Learning Approach for Mobile Banking Fraudulent Transaction to Detect Financial Frauds | MITS, Gwalior, MP, India | 1. Formatting is paper is absent as per template.<br>2. Figures are not clear. Needs improvements.<br>3. Problem formulation for the objective function carried out in the manuscript is missing.<br>4. formatting of paper is not proper<br>5. Correct all table and fig carefully in symmetrical manner<br>6. Rewrite whole paper, especially abstract and conclusion in short and informative manner<br>7. use standard formatting for the citation<br>8. refer standard paper to write proposed algorithm | Session chair appreciated the work.<br>Application of proposed strategy was asked to which author responded.<br>Suggestions were made by Dr. Sharma on practical application.<br>Novel contribution were asked.<br>Rishika Shah<br>Pushpendra Singh<br>Name<br>Rishika<br>Signature |



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**SESSION TEAM: Ms. Rishika Shah, Mr. Pushpendra Singh**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 15 | Kamal Sharma | AHP and NSGA II based Time-Cost-Quality Trade-Off Optimization model for Construction Projects | MITS, Gwalior, MP, India | 1. All Eqs fig and table must be numbered properly in ascending order.<br>2. Citation of paper is not proper , it needs formatting<br>3. Selection of parameter for analysis is not clear<br>4. It is suggest to rewrite Abstract and conclusion in compressed and informative manner<br>5. Paper is not as per Springer guideline, whole paper requires proper formatting | Contributions were asked by Session Chair, author was able to reply satisfactorily. future prospects were discussed.<br>Rishika Shah<br>Pushpendra Singh<br>Name Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 47 | Ravi kumar | A comparative study of meta-heuristic based task scheduling in cloud computing | Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India | 1.Make use of more recent Meta-Heuristic algorithms in the proposed manuscript | Dr. Sharma asked that why meta-heuristic algorithm is better than standard algorithm. & the author has answered this satisfactorily. One participant asked the question that what is the population base for the selection of hybrid algorithm? The queries are answered by author satisfactorily. Rishika Shah Pushpendra Singh Name Signature |



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**SESSION TEAM: Ms. Rishika Shah, Mr. Pushpendra Singh**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 84 | Vikram Saini | Sparse Solutions in the Identification of Output Error Models | MITS, Gwalior, MP, India | 1. use only time new roman thoroughly in paper<br>2. eq (9) seems to be incomplete, please elaborate it for clear explanation<br>3. add and cite some latest reference<br>4. paper is full of mathematical eq. however it is seeming to be explanation of some notation is missing here so it is advised to explain each notation clearly for better understanding<br>5. The equation numbering must be continuous see for example equation after equation (9).<br>6. Check the notations consistency throughout the paper for example the instrumental variable vector notation.<br>7. add some latest references in the paper.<br>8. The parameter n_a^' is used in defining the instrumental variables in the section "Consistency of the estimates". The value of same is not described in the simulation section.<br>9. Is the parameter lambda is same for optimization problems (8) and (9).<br>10.Introduction of the paper can be improved by adding latest literature? | The following queries are asked by Session chair<br>i) What is the domain from where he has picked the data set?<br>ii) Whether it is completly empirical model?<br>Author has answered the queries clearly & the session chairs are satisfied with the answers.<br>Pushpendra Singh<br>Rishika Shah<br>Name Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 33 | Rinisha Bagaria | A Wavelet Based Segmentation Technique for Medical Images | MITS, Gwalior, MP, India | 1. Use nomenclature after defining its full form only. (eg. SNR)<br>2. Strictly follow the guideline for the page limit of paper submission (12 Pages).<br>3. Use time new roman for marking the all the axis in the figures and format all figures in symmetrical manner.<br>4. Don't cite the references in the conclusion section.<br>5. A separate Use nomenclature table may be given as so many abbreviations are being used in the paper.<br>6. How wavelet is incorporated for analysis purpose. Make it clear in the paper.<br>7. Use standard formatting for all the tables and figures.<br>8. Rewrite the abstract and conclusion in appropriate way. | The queries asked by session chair & participants are:<br>(i) Why not advanced techniques are used & why not comparison is being done in the paper?<br>(ii) Have you observed the impact of X-ray on cognitive abilities and Physiology of the subjects<br>The author has answered the queries satisfactorily.<br><br>Pushpendra Singh<br>Rishika Shah<br>Name<br>Signature |





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# REPORT: SESSION - II

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(ICSISCET - 2020)
18-19 December, 2020

## *Attendance of Paper Presentation Session – II*

| **Paper Presentation Session - II : 18.12.2020** | | | | | **Indian Time** |
|---|---|---|---|---|---|
| Session Chair: Dr. Pradyumn Chaturvedi, VNIT, Nagpur, India<br>Session Chair: Dr. Chandra Shekhar Malvi, MITS, Gwalior, India<br>Session Chair: Dr. Amit Aherwar, MITS, Gwalior, India<br>**SESSION TEAM: Ms. Rajni Mourya, Mr. Vikas Thakur** | | | | | 03:00-05:30 PM |
| **Paper ID** | **Name of Presenter** | **Topic** | **Affiliation** | **Contact Number** | **Attendance** |
| 3 | Aakash Kumar Seth | Control of On-Board Electric Vehicle Charger | Delhi Technological University, Delhi, India | 9718608389 | P |
| 53 | Meena Panchore | Impact of Channel-Hot-Carrier Damage in Dopingless Devices at Elevated Temperature | NIT, Patna, Bihar, India | 6265308787 | P |
| 43 | Pushpendra Singh | Enviro-economic Analysis of Ginger Drying in Hybrid Active Greenhouse Solar Dryer | MITS, Gwalior, MP, India | 8878232280 | P |
| 92 | Saurabh Kumar Rajput | Improving Energy Efficiency of Ring Frame Motor of Textile Industry | NIT, Patna, Bihar, India | 9555969573 | P |
| 12 | Aniket Anantrao Nakhate | Internet of things (IOT) Infrastructure for Advance Electric Power Systems | JSPM's Bhivrabai Sawant Institute of Technology & Research, Wagholi, Pune, India | 7083357405 | A |
| 62 | Vikas Kumar Thakur | Performance Analysis of Different Tilt Angles Based Solar Still | MITS, Gwalior, MP, India | 9031241583 | P |
| 78 | Gaurav Saxena | Performance Analysis and ANN Modelling of Apple Drying in ETSC Assisted Hybrid Active Dryer | MITS, Gwalior, MP, India | 9826824648 | P |



Vikas Rajni 18/12/20

**Paper Presentation (Session - 2) : 18.12.2020**
**Session Chair 1: Dr. Pradyumn Chaturvedi, VNIT, Nagpur, India**
**Session Chair 2: Dr. Chandra Shekhar Malvi, MITS, Gwalior, India**
**Session Chair 3: Dr. Amit Aherwar, MITS, Gwalior, India**
**SESSION TEAM: Ms. Rajni Mourya, Mr. Vikas Thakur**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 3 | Aakash Kumar Seth | Control of On-Board Electric Vehicle Charger | Delhi Technological University, Delhi, India | 1.Please mention, Why the State of charge (SOC) is considered as 50% ? (The SOC can vary between 0% to 100%).<br>2. How active and reactive powers are pre-computed for reference active and reactive power calculation (P* and Q*). Please mention the source/reference for this value ?<br>3. It is mentioned that the proposed methodology is faster. So, Can the settling time be estimated for the proposed PI controller?<br>4.Please specify which PLL is used to generate (wt) | The following queries are asked by session chair and participants are:<br>(i) For how much power rating the system is designed ?<br>(ii) How you implement control technique in hardware ?<br>(iii) What you suggest for isolated system ?<br>The author has answered all the queries and session chair is satisfied with the answers.<br>Rajni Mourya<br>Vikas Thakur<br>Name<br>Signature |





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**Session Chair 3: Dr. Amit Aherwar, MITS, Gwalior, India**
**SESSION TEAM: Ms. Rajni Mourya, Mr. Vikas Thakur**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 53 | Meena Panchore | Impact of Channel-Hot-Carrier Damage in Doping less Devices at Elevated Temperature | NIT, Patna, Bihar, India | The paper is well written in proper manner. The reviewer however feels that the following points should be considered and addressed.<br>1. Review the literature of last 3/4 years and include them in references with proper citation with paper content. | Queries are asked by session chair and participants are; Minor queries<br>The author has answered all the queries and session chair is satisfied with the answers<br>Rajni Mourya<br>Vikas Thakur<br>Name / Signature |



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**Session Chair 3: Dr. Amit Aherwar, MITS, Gwalior, India**
**SESSION TEAM: Ms. Rajni Mourya, Mr. Vikas Thakur**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 43 | Pushpendra Singh | Enviro-economic Analysis of Ginger Drying in Hybrid Active Greenhouse Solar Dryer | MITS, Gwalior, MP, India | 1. Abstract should be impressive giving proper justification.<br>2. Where exprimental setup has been dene, should be mentioned.<br>3. To make paper more effective, if possible compare some reported results.<br>4. There is no discussion about Tomato in the paper. It should be removed from the Keywords.<br>5. Few sentences in the introduction are repeated. ex. 'Ginger is the one of the most consumed crop in the world not only in kitchens for making various dishes but also for medicinal purpose. It is also a very high moisture crop so for storage it must be dried to a safe moisture level. Solar dryers are developed to dry the crops to safe moisture level by using a renewable energy source i.e. sun. The solar dryers are not limited for agricultural purposes but it is also used in industrial purposes for large scale drying or space heating.' Such repetition should be avoided. | The following queries are asked by session chair and participants as:-<br>(i) Did you considered ginger colour changing effect.<br>(ii) When ginger is becomes powdered what is called<br>(iii) How to consider the prices of dryers.<br>The author has answered all the queries and session chair is satisfied with the answers.<br>Rajni Mourya<br>Vikas Thakur<br>Name<br>Rajni Vikas<br>Signature |



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**Session Chair 3: Dr. Amit Aherwar, MITS, Gwalior, India**
**SESSION TEAM: Ms. Rajni Mourya, Mr. Vikas Thakur**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 92 | Saurabh Kumar Rajput | Improving Energy Efficiency of Ring Frame Motor of Textile Industry | NIT, Patna, Bihar, India | 1. Abstract and conclusion is not concise, please rewrite it.<br>2. the steps use for analysis is not clear, if possible explain it using flowchart<br>3. formulation used for computing the results is missing in the paper, add them and explain them for better understanding<br>4. add some new standard ref<br>5. The mathematical formulation, and steps associated for calculation energy saving on annual basis is missing here.<br>6. Is any standard BEE guideline for energy saving? Please specify and cite it.<br>7. How the real time data related to energy is measured for calculation purpose , explain it.<br>8. The author has only presented the study, no simulation or any other results were presented.<br>9. the total power consumption in the textile industry must be presented to see how much saving is achieved.<br>10. it will be better if the author can present the complete study using graphs and bar charts.<br>11. the textile unit considered must be explained properly giving total electricity consumption, production, and savings achieved in rs by adopting the suggested method. | The following queries are asked by session chair and participants are:<br>(i) In present case, which type of inverter is used?<br>(ii) How you compared your present study?<br>The author have answered all the queries satisfactorily.<br><br>Vikas Kumar Thakur<br>Rajni Mourya<br>Name<br>Signature |





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**Session Chair 3: Dr. Amit Aherwar, MITS, Gwalior, India**
**SESSION TEAM: Ms. Rajni Mourya, Mr. Vikas Thakur**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 12 | Aniket Anantrao Nakhate | Internet of things (IOT) Infrastructure for Advance Electric Power Systems | JSPM's Bhivrabai Sawant Institute of Technology & Research, Wagholi, Pune, India | 1. In title advance should be replaced with "advanced" spelling mistakes throughout the paper especially in introduction and conclusion<br>2. Bar graph in Figure 1 is blurred.<br>3. Images used in Figure 3 and Figure 4 are blur and low quality. (Use high quality images)<br>4. Figure 3 is irrelevant according to the description given.<br>5. Figure 4 is not illustrated properly and is irrelevant because the description of the figure is not apt.<br>6. Subsection 2.2 is not cited properly. If it is an original work, then such information is not mentioned in the paper<br>7. More references should be cited in Section 2.3 and 2.4<br>8. More details about the research topic should be included<br>9. In abstract " improve power quality, and increase reliability IOT devices" should be "improved power quality, and increased reliability IOT devices". Make similar changes throughout the paper.<br>10.The authors need to include the type of IoT devices already in use in the present grid and is expected to be used in the next few years.<br>11. Kindly give a reference for four-layer architecture in section 2.2 3. The authors are expected to include a small application of IoT in the electric grid.<br>12 Kindly include IEEE transmission protocols for IoT communication.<br>13.. The abstract needs refinement. | He is not present during the paper Presentation & Q & A Session<br>These are the queries recieved from session chair & participants are:<br>(i) What is the significant work of the research?<br>(ii) The proper description of DG is not shown.<br>(iii) Is author have considered all the comment in his paper or not?<br><br>Vikas Kumar Thakur<br>Rajni Mourya<br>Name<br>Signature |



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**SESSION TEAM: Ms. Rajni Mourya, Mr. Vikas Thakur**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 62 | Vikas Kumar Thakur | Performance Analysis of Different Tilt Angles Based Solar Still | MITS, Gwalior, MP, India | 1. Please give the reason on what basis the tilt angles 11 , 26 , and 41 are selected for solar stills based study?<br>2. It is found that the productivity of latitude angle (26) based solar still is 31.95% higher than 11 and 20.96% higher than 41 based solar stills.<br>3.Please mention why the increase in productivity is higher, 31.95% (when the tilt angle is made 26 from 11 )<br>than the productivity, 20.96% (when the tilt angle is made 26 from 41) ?<br>4. the productivity is 31.95% higher, when the tilt angle is increases by 15 (from 11 to 26 ). Where as the productivity is only 20.96% higher, when the tilt angle is reduced by 15 (from 41 to 26).<br>Why the percentage change in productivity is not same, even maintaining the equal percentage change in tilt angle?<br>5. Give the reason, Why only + values of the term in the square brackets of equation 25 is considered, while otherwise it is zero for negative values?<br>6. Figure 4 is not proper<br>7.The performance of solar still with variation of tilt angles is presented in the present article. The suggestion to the authors is to proofread the article to remove the typographical and grammatical errors. | The following queries are asked by Session chair & participants:<br>(i) how you have selected the tilt angle ?<br>(ii) Have you considered the reflected radiation ?<br>The author have answered all the queries satisfactorily.<br><br>Vikas Kumar Thakur<br>Rajni Mourya<br>Name<br>Signature |



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Session Chair 3: Dr. Amit Aherwar, MITS, Gwalior, India
**SESSION TEAM: Ms. Rajni Mourya, Mr. Vikas Thakur**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair comments/ questions |
|---|---|---|---|---|---|
| 78 | Gaurav Saxena | Performance Analysis and ANN Modelling of Apple Drying in ETSC Assisted Hybrid Active Dryer | MITS, Gwalior, MP, India | 1. the paper is not in a proper format, moreover, the organization of the paper is not good, it must be reorganized for better readability.<br>2. the author should compare the performance of the proposed method with some existing methods present in the literature.<br>3. some new references must be added to the manuscript.<br>4.The manuscript is not formatted as per the springer guidelines.<br>5. Check fig 10 and redraw it carefully, mention the parameter used in first and second hidden layer<br>6. strictly reduce the length of manuscript up to the acceptable page limit<br>7. format all fig in symmetrical manner<br>8. compare simulation results with other method for its proper validation | The queries from Session chair & Participants are:<br>(i) why you have considered ANN for your study?<br>(ii) Dr. Malvi have suggested to conclude the result in better way.<br>(iii) On what date the experimentation is carried out? How you have validated the result?<br>The author have satisfactorily answered the queries.<br>Vikas Kumar Thakur<br>Rajni Mourya<br>Name Signature |



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# REPORT: SESSION - III

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*Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology*
(ICSISCET - 2020)
18-19 December, 2020

## *Attendance of Paper Presentation Session – III*

| Paper Presentation Session - III : 18.12.2020 | | | | | Indian Time |
|---|---|---|---|---|---|
| Welcome<br>Session Chair: Dr. Anmol Ratan Saxena, NIT, Delhi<br>Session Chair: Dr. Pratesh Jayaswal, MITS, Gwalior, India<br>Session Chair: Dr. Akhilesh Tiwari, MITS, Gwalior, India<br>SESSION TEAM: Mr. Arvind Singh Tomar, Mr. Shubham Sharma | | | | | 03:00-05:30 PM |
| Paper ID | Name of Presenter | Topic | Affiliation | Contact Number | Attendance |
| 97 | Ashima Kulshreshta | Game Theoretic Optimization for PV-Battery fed Lighting Systems in DC Homes | NIT, Delhi, India | 9540858950 | Present |
| 49 ✓ | Rishika Shah | Artificial Neural Networks as a tool for thermal comfort prediction in built environment | MITS, Gwalior, MP, India | 9826552626 | Present |
| 94 | Raghvendra Tiwari | Contingency Analysis of Complex Power System Using Active Power and Voltage Performance Index | MNNIT Allahabad, Prayagraj, UP, India | 8588842485 | Present |
| 55 | Shubhangi Jadon | An Energy-Efficient Mobile Sink based Clustering using Simulated Annealing for Traversing | MITS, Gwalior, MP, India | 9425116605 | Present |
| 54 | Abhishek Kumar Jaiswal | Admixtures: The Magical Potion to Concrete | Afcons Infrastructure Limited, Mumbai, India | 9968578159 | Present |
| 96 | Vimal Tiwari | Optimal Sizing and Allocation of DG in Distribution System using TLBO | MITS, Gwalior, MP, India | 9039659478 | Present |
| 10 | Anshul Agarwal | Wideband Microstrip Stepped Two-Way Power Divider for 3G/4G Applications | MITS, Gwalior, MP, India | 8085586698 | Present |

Shubham Sharma
ARVIND S. TOMAR

**Paper Presentation (Session - 3) : 18.12.2020**
**Session Chair 1: Dr. Anmol Ratan Saxena, NIT Delhi**
**Session Chair 2: Dr. Pratesh Jayaswal, MITS, Gwalior, India**
**Session Chair 3: Dr. Akhilesh Tiwari, MITS, Gwalior, India**
**SESSION TEAM: Mr. Arvind Singh Tomar, Mr. Shubham Sharma**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 97 | Ashima Kulshreshta | Game Theoretic Optimization for PV-Battery fed Lighting Systems in DC Homes | NIT, Delhi, India | 1.Bring down the plagiarism of manuscript up the acceptable limit<br>2.Check whole manuscript thoroughly for its typographical error | Queries asked by Session chair's and participants.<br>a) Why only Game Theoretic Optimization is most suitable that you have applied.<br>b) which mode is appropriate out of 3-Modes that you have proposed for Complex Situations.<br>Answers were satisfactory given by author.<br>Shubham Sharma<br>Arvind Singh Tomar<br>Name Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 49 | Rishika Shah | Artificial Neural Networks as a tool for thermal comfort prediction in built environment | MITS, Gwalior, MP, India | 1. Cite the references at appropriate place in the article.<br>2. Proofread the article to remove the typographical and grammatical errors.<br>3. The authors should clarify the novelty of the work in the introduction section.<br>4. Critically review why ANN is better in comparison to other heuristic optimization techniques and fuzzy logic<br>5. The terms used in the equation no 1 is not properly defined.<br>6. Authors claims that ANN is used in the manuscript for thermal comfort assessment, but how it is implemented for analysis purpose. It is not clear.<br>7. Check the manuscript thoroughly before submitting.<br>8. Abstract and conclusion of the manuscript is too long, Rewrite it in concise and informative manner. | Session chair appreciated the work.<br>Dr. Anmol asked that what are requirement to judge overall thermal comfort.<br>Apart from ANN what can be other techniques.<br>The queries are answered by author satisfactory.<br>Shubham Sharma<br>Arvind Singh Tomar<br>Name Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 94 | Raghvendra Tiwari | Contingency Analysis of Complex Power System Using Active Power and Voltage Performance Index | MNNIT Allahabad, Prayagraj, UP, India | 1. Check again thoroughly the submitted paper for grammatical mistakes especially the abstract and conclusion section<br>2. add some latest ref to improve quality of paper<br>3. author had some load flow analysis on two cases and presented the outcome of simulation results, however it is not validated here . so it is recommended to validate your results with other method reported in literature<br>4. Referencing is not proper.<br>5. The validation of the work with some other softwares like Power World Simulator etcor or reported results is requried.<br>6. No recent ref is cited.<br>7. The most of the portion of paper is avilable in the text books, therefore, to make paper effective proper comparission is requried.<br>8. Abstract needs to be clear; please focus on contribution.<br>9. State of the art literature is missing; please include few more references.<br>10. What is new in this paper?<br>11.Are formulas for Voltage performance index and Real power performance index new? or if not, then please cite the proper reference.<br>12.Author will need to include one more IEEE test systems such as IEEE 118-bus. | Different → Contingencies that have considered by author is asked by Chair member.<br>Conclusion given by author is not satisfactory as far as research is conducted/concerned is commented by Dr. Saxena.<br>Shubham Sharma<br>Arvind Singh Tomar<br>Name Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 55 | Shubhangi Jadon | An Energy-Efficient Mobile Sink based Clustering using Simulated Annealing for Traversing | MITS, Gwalior, MP, India | 1. Formatting of paper required as per Springer guideline<br>2. Use math editor for writhing eq<br>3. Quality of fig is not good, needs improvement<br>4. Proper numbering of subheading is needed in standard ascending manner( ref I. RESEARCH METHODOLOGY)<br>5. proper problem formulation is needed in section 4.1<br>6 Paper must Abstract and conclusion need to be re-written<br>7. Write implantation steps to solve your problem by Simulated Annealing. Do not write its general steps<br>8. Cite all eq and fig with its proper explanation<br>9. Use standard format for writing Pseudocode<br>10. Add and cite new ref and arrange them in standard format to improve quality of paper | Merits and Advantages of selecting dynamic nodes and how it is directly related is asked by Session Chair and author answered it satisfactorily.<br>Dr. Anmol asked that will this work also affect the overall bandwidth and this was answered by author.<br>Shubham Sharma<br>Arvind Singh Tomar<br>Name Signature |





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**SESSION TEAM: Mr. Arvind Singh Tomar, Mr. Shubham Sharma**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 54 | Abhishek Kumar Jaiswal | Admixtures: The Magical Potion to Concrete | Afcons Infrastructure Limited, Mumbai, India | 1. Abstract and Conclusion is not properly written. (Conclusion should not contain the precautions etc.).<br>2. Paper formatting is very poor.<br>3. Formulations should be given numbering.<br>4. There are grammatical mistakes in the paper; however the technical English is quite ok. Please improve it.<br>5. Paper format is very poor; Prepare the paper in the Springer format.<br>6. The language of paper is not appropriate for publication.<br>7. References are not written in proper manner. Even the few references lacks their numbering.<br>8. Conclusion section is too large, it should be precise and appropriate.<br>9. Equation should have proper numbering | Analysis of admixtures work is asked by Session chair<br>Session chair appreciated the overall work done by author.<br>Arvind Singh Tomar<br>Shubham Sharma<br>Name Signature |





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**SESSION TEAM: Mr. Arvind Singh Tomar, Mr. Shubham Sharma**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 96 | Vimal Tiwari | Optimal Sizing and Allocation of DG in Distribution System using TLBO | MITS, Gwalior, MP, India | 1.Check whole manuscript thoroughly for its typographical error | Placement of optimal DGs in distribution system was asked by chair members. Answer given by Author was satisfactory. Arvind Singh Tomar, Shubham Sharma (Name) (Signature) |





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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 10 | Anshul Agarwal | Wideband Microstrip Stepped Two-Way Power Divider for 3G/4G Applications | MITS, Gwalior, MP, India | 1.Why with the change in the parameters, the resonant frequency is changing. Kindly elaborate why this is happening by giving the physics.<br>2.Give the experimental setup figure and the fabricated design.<br>3.Formulation used for Power Divider Design & Parametric Analysis are missing in the paper. Its should be included for better understanding<br>4.in section 2 author claims that "The proposed two-way power divider is designed on an FR-4 substrate (thickness 1.6 mm, dielectric constant 4.3) and simulated by using CST Software Version 2018 [7]" please justify it .<br>5. Explain the words VSWR, FR-4, CST Software for better understanding.<br>6. for proper validation of results comparison results with other method is required in manuscript | Session chair appreciated the overall work.<br>Can this work be extended to another types of antennas.<br>What was the motivation behind the selection of this problem Was asked by Session Chair.<br>Answer given by author were satisfactory.<br>Arvind Singh Tomar<br>Shubham Sharma<br>Name Signature |



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# REPORT: SESSION - IV

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## *Attendance of Paper Presentation Session – IV*

| Paper Presentation Session - IV : 19.12.2020 | | | | | Indian Time |
|---|---|---|---|---|---|
| Session Chair: Dr. Arvind Jain, NIT, Agartala<br>Session Chair: Dr. Manoj Kumar Trivedi, MITS, Gwalior, India<br>Session Chair: Dr. A. K. Wadhwani, MITS, Gwalior, India<br>**SESSION TEAM: Mr. Kamal Sharma, Mr. Shubham Chitransh** | | | | | 11:30-01:45 PM |
| **Paper ID** | **Name of Presenter** | **Topic** | **Affiliation** | **Contact Number** | **Attendance** |
| 70 | Punam Prabha | Security of IoT based e-healthcare System: A Blockchain Solution | NIT, Patna, Bihar, India | 8210934973 | P |
| 76 | Gopal Singh Kushwah | DDoS attacks detection in cloud computing using ANN and Imperialistic competitive algorithm | NIT, Kurukshetra, Haryana, India | 8059311591 | P |
| 5 | Kamal Sharma | NSGA III based Time-Cost-Environmental Impact Trade-Off Optimization model for Construction Projects | MITS, Gwalior, MP, India | 8077281918 | P |
| 102 | Kushagra Krishna | Malicious Webpage Classification using Deep Learning Technique | MANIT, Bhopal, MP, India | 7017299826 | P |
| 77 | Rishika Sood | Analysis and Review of the Kinetic Façades in Kolding Campus, South Denmark University | MITS, Gwalior, MP, India | 9617818909 | P |
| 68 | Kamlesh Kumar Pandey | Approximate Partitional Clustering through Systematic Sampling in Big Data Mining | Dr. Harisingh Gour Vishwavidyalaya, Sagar, MP, India | 7509341899 | P |
| 79 | Shyam Babu | A Review on Analysis of Electroencephalography (EEG) Signal Processing and Characteristics | MITS, Gwalior, MP, India | 8120529565 | P |
| 74 | Nikhil Paliwal | Jaya algorithm Based Load Frequency Control in Nuclear Power Plant Incorporating Energy Storage Unit | MITS, Gwalior, MP, India | 8871313135 | P |



Kamal Sharma 19/12/2020
KAMAL SHARMA

Shubham 19/12/2020
SHUBHAM CHITRANSH

**Paper Presentation (Session - 4) : 19.12.2020**
**Session Chair 1: Dr. Arvind Jain, NIT, Agartala**
**Session Chair 2: Dr. Manoj Kumar Trivedi, MITS, Gwalior, India**
**Session Chair 3: Dr. A. K. Wadhwani, MITS, Gwalior, India**
**SESSION TEAM: Mr. Kamal Sharma, Mr. Shubham Chitransh**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 70 | Punam Prabha | Security of IoT based e-healthcare System: A Blockchain Solution | NIT, Patna, Bihar, India | 1.Well written paper. Accept as it is. | After the presentation, a healthy discussion about Internet of things was done. The authors and session chairs concluded that the Developed e-healthcare System can give trust-worthy decisions about paticuts. It can be used in front hospitals and no one can misuse it for data processing, several techniques can be used. Kamal Sharma Shubham Chitransh Name Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 76 | Gopal Singh Kushwah | DDoS attacks detection in cloud computing using ANN and Imperialistic competitive algorithm | NIT, Kurukshetra, Haryana, India | 1. Pseudo code used in paper named as algorithm 1, is looking like image copied from some source . correct it carefully and marked as Fig.....<br>2. In table 1 Author claims that, he has compared his results with other method , but Imamverdiyev et al. [6], Wu et. al [7]... is the name of author. It is not a method.<br>3. all equations are hanging, there not numbered at all<br>4. Equation number is missing.<br>5. Pseudo code is in image form, please correct it.<br>6. Cite all references carefully in ascending order but not in random way. | In results, in order to DDoS attacks detection in cloud computing can be done using ANN and imperialistic competetive algorithms. A disscusion ~~was~~ about on size of data set, down time effect, its method of applications & its sources was done. The Author applied publically available data set and found his model efficient after comparing it with existing models.<br>Kamal Sharma<br>Shubham Chitransh<br>Name<br>Kamal Sharma<br>Shubham<br>Signature |



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Session Chair 2: Dr. Manoj Kumar Trivedi, MITS, Gwalior, India
Session Chair 3: Dr. A. K. Wadhwani, MITS, Gwalior, India
**SESSION TEAM: Mr. Kamal Sharma, Mr. Shubham Chitransh**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 5 | Kamal Sharma | NSGA III based Time-Cost-Environmental Impact Trade-Off Optimization model for Construction Projects | MITS, Gwalior, MP, India | 1. No recent paper has been cited.<br>2. As far as posible ref. must be presented /cited in the same order in which they are listed in the reference section.<br>3. In some places author used "table" whereas at another places "Tables". Uniformity must be maintained.<br>4. Validation/comparison of reported results must be done with published results or with some other methods.<br>5.Authors don't presented the validation of the results by reported results or by applying some other methods or reported results. The paper may be accepted provided authors implement the suggestions. | The develop model provide a schedule decision making tool for every construction projects. In presented paper, time-cost-Environmental impact was taken as inputs to the Scheduling model.<br>A long discussion about nature of problem i.e. linear or non-linear was done. The author is suggested to compare this model with linear programming.<br>Kamal Sharma<br>Shubham Chitransh<br>Name Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 102 | Kushagra Krishna | Malicious Webpage Classification using Deep Learning Technique | MANIT, Bhopal, MP, India | 1. Rewrite abstract and conclusion and in concise and informative manner<br>1. fig 1 "deep CNN Clas-" is deep CNN classification.<br>2. Comparison with other models is not done.<br>3. rewrite conclusion section carefully<br>4. Do not write cite reference in conclusion section<br>5. There are too many grammatical errors which need major corrections<br>6. From my point of view deep learning is a well-known optimization approach which is nothing but an extension of ANN. But how the author claims that he has proposed the deep learning approach it is not clear in manuscripts (ref. Abstract, section 3, ..... )<br>7. How many models of deep learning are used please justify it. (ref. Abstract)<br>8.Arrange the reference in increasing order.<br>9. Incomplete word in fig. 1<br>10.Use either Fig or Figure in whole manuscripts.<br>11.Equations are in an image. Use MS word for writing the equations<br>12. Author has advised to not use the references in conclusion, however ref. 22 and 23 cited in conclusion are not listed in references.<br>13.Transforming webpage(s) into PNG will increase the computational complexity. Since the size of the webpage(s) have reduced to very small size, all contextual details of page(s) will be lost. Justify and compare proposed work with different method(s). | After the presentation, usage of Deep learning technique was demonstrate while classifying the Malicious webpage. Some issues like as type of filter mechanism, categories of data sets and parameters of deep learning were resolved on the basis of session chairs. It was concluded that this model can be used in real time phenomenon of Malicious webpage Classification.<br>Kamal Sharma<br>Shubham Chitransh<br>Name<br>Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 77 | Rishika Sood | Analysis and Review of the Kinetic Façades in Kolding Campus, South Denmark University | MITS, Gwalior, MP, India | 1.Title of the manuscript is not matching with the content presented in the paper<br>2.Whole paper needs formatting up the ref section carefully<br>3. Use standard formatting for manuscript preparation.<br>4.Cite all references with its full information.<br>5. What methodology is adopted for and how Energy Consumption etc. are computed, is not clear. | In results it was concluded that kinetic facades can be used during roofing of any structure. This is safe at the time of earthquake. Since, this is computerized process. it can be restructured easily. It can also be used in health & education sectors. It is adjustable mechanism since the function is kinetic so the facades is kinetic.<br>Kamal Sharma<br>Shubham Chitransh<br>Name Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 68 | Kamlesh Kumar Pandey | Approximate Partitional Clustering through Systematic Sampling in Big Data Mining | Dr. Harisingh Gour Vishwavidyalaya, Sagar, MP, India | 1. Abbreviation table should be used in the paper.<br>2. The table margins are not selected properly. The overall paper is written in proper way. | In the presented paper, the use of systematic sampling in bigdata mining was demonstrated in order to approximate partional clustering model.<br>The proposed study can developed scable, speedy, time efficient, & multi dimensional data mining methods. The schemalic sampling reduce data volume. Quality & data computing time are important selecting criteria for clustering algorithm.<br>Kamal Sharma<br>Shubham Chitransh<br>Name Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 79 | Shyam Babu | A Review on Analysis of Electroencephalography (EEG) Signal Processing and Characteristics | MITS, Gwalior, MP, India | This paper presents the review of EEG signal processing, analysis and characteristics with respect to human body.<br>1. Line spacing should be uniform see Section (EEG Device and its Characteristics) and section (EEG Test Structure).<br>2. Reference cited in reference is not in proper format. ref 26, 30 etc are not cited in the paper.<br>3. Reference citation should be uniform, ref 1 and ref 2 are not cited in the very first paragraph (Introduction).<br>4. Cite all references carefully in ascending order but not in random way.<br>5. Formatting is paper is absent as per template.<br>6. Figures are not clear. Needs improvements.<br>7. There are various methodology available for analyzing the EEG signal. Which method is adopted by author and what is the contribution the paper is not cleared.<br>8. Compare the results with other method existing method for the proper validation of proposed methodology.<br>9. Rewrite the abstract and conclusion in simple and concise manner. | During paper presentation, advantages of EEG were discussed. while, to select that parameters of a person is yet to be analysed. using EEG. Current frequency & voltage level values were discussed after presentation based on technicality of EEG, the current & voltage value was 0.5 to 100 Hz. & 10 μV to 100 μV resp.<br>Kamal Sharma<br>Shubham Chitransh<br>Name<br>Signature |



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**Paper Presentation (Session - 4) : 19.12.2020**
**Session Chair 1: Dr. Arvind Jain, NIT, Agartala**
**Session Chair 2: Dr. Manoj Kumar Trivedi, MITS, Gwalior, India**
**Session Chair 3: Dr. A. K. Wadhwani, MITS, Gwalior, India**
**SESSION TEAM: Mr. Kamal Sharma, Mr. Shubham Chitransh**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 74 | Nikhil Paliwal | Jaya algorithm Based Load Frequency Control in Nuclear Power Plant Incorporating Energy Storage Unit | MITS, Gwalior, MP, India | 1. What kind of load and the load conditions are considered in simulation and experiment, are not depicted clearly.<br>2. Explain, how the Jaya algorithm helps to control the Load Frequency and include in the abstract so that the readability of the paper can be improved.<br>3. Why Jaya-PID controller as compared to Jaya-PI controller? The authors are advised to compare the response of both the controller.<br>4. All the typos must be removed before final submission.<br>5. Number all eq. in proper manner carefully (ref sec 2.4)<br>6. Where the objective function is used in jaya it is not clearly mentioned in flowchart? (ref Fig 4)<br>7. Add effect of population on objective function and related convergence curve | In results, it was seen that the developed Jaya Algorithm based load frequency control in Nuclear Power Plant Incorporating Energy storage Unit can be undoubtedly with higher efficiency. Comparison of developed model with existing model demonstrate the superiority of proposed model. In high sensitive Nuclear Power plant, the developed Jaya Algorithm based model can be used as better load frequency controller.<br>Name Kamal Sharma, Shubham Chitransh Signature |



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# REPORT: SESSION - V

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## *Attendance of Paper Presentation Session – V*

| **Paper Presentation Session - V : 19.12.2020** | | | | | **Indian Time** |
|---|---|---|---|---|---|
| **Session Chair: Dr. Ravi Shankar, NIT, Patna**<br>**Session Chair: Dr. Manish Dixit, MITS, Gwalior, India**<br>**Session Chair: Dr. Manoj Gaur, MITS, Gwalior, India**<br>**SESSION TEAM: Ms. Priyanka Gupta, Ms. Shradha Dubey, Mr. Vinay Kumar Tatikayala** | | | | | **01:45 - 04:00 PM** |
| **Paper ID** | **Name of Presenter** | **Topic** | **Affiliation** | **Contact Number** | **Attendance** |
| 38 | Shradha Singh Parihar | Optimal Integration of multi-type DG in Radial Distribution Network | The NorthCap University, Gurugram, Haryana, India | 8383051501 | P |
| 26 | Anurag Soni | A Particle Swarm Optimization based model for Quality Safety trade-off optimization under constraint duration and cost of construction project | MITS, Gwalior, MP, India | 7017890592 | P |
| 80 | Prachi Mafidar Joshi | Equilibrium Optimizer based optimal allocation of SVCs for voltage regulation and Loss minimization | Shri GS Institute of Technology and Science, Indore, MP, India | 9713948467 | P |
| 34 | Kingshuk Roy | MVO Based Approach for Optimal DG and Capacitor Allocation | MITS, Gwalior, MP, India | 8334807589 | P |
| 60 | Sunita Shukla | An optimum multi-objective dynamic scheduling strategy for a hybrid microgrid system using fuzzy rank based modified differential evolution algorithm | MITS, Gwalior, MP, India | 8516081174 | P |
| 18 | Deepak Paliwal | Optimal Controller Design for Buck converter fed PMBLDC motor using Salp Swarm Algorithm (SSA) | Rajasthan Technical University, Kota, Rajasthan, India | 8233888703 | P |
| 85 | Poonam Singh | Techno-economic assessment of a hybrid renewable energy system using dynamic search space | MITS, Gwalior, MP, India | 8319070763 | P |
| 14 | Kamal Sharma | Simulated Annealing based Time-Cost Trade-off model for Construction Projects | MITS, Gwalior, MP, India | 8077281918 | P |



Priyanka Gupta  Shradha Dubey  Vinay Kumar Tatikayala

**Paper Presentation (Session - 5) : 19.12.2020**
**Session Chair 1: Dr. Ravi Shankar, NIT, Patna**
**Session Chair 2: Dr. Manish Dixit, MITS, Gwalior, India**
**Session Chair 3: Dr. Manoj Gaur, MITS, Gwalior, India**
**SESSION TEAM: Ms. Priyanka Gupta, Ms. Sharadhha Dubey, Mr. Vinay Kumar Tatikayala**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 38 | Shradha Singh Parihar | Optimal Integration of multi-type DG in Radial Distribution Network | The NorthCap University, Gurugram, Haryana, India | 1.Check Title of Paper again, if possible, reduce it length.<br>2. Please specify the optimization method used in the paper or is it is a heuristic search then specify it in section 6. 2.0 Pleas check the sentence structure.<br>3.Please check grammatical sentence.<br>4. Please check of paper for proper formatting according in Springer format.<br>5.Add some latest references.<br>6. Its good paper and written in good manner. | 1. From where you have collected data.<br>2. Have you used any experimental data.<br>3. Reactive power loss<br>4. Have you observed any change in the results<br>5. What do you mean by adverse affect<br>Answer by the presenter were satisfactory.<br>Priyanka Gupta<br>Shradha Dubey<br>Vinay Kumar Tatikayala<br>Name Signature |



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**Paper Presentation (Session - 5) : 19.12.2020**
**Session Chair 1: Dr. Ravi Shankar, NIT, Patna**
**Session Chair 2: Dr. Manish Dixit, MITS, Gwalior, India**
**Session Chair 3: Dr. Manoj Gaur, MITS, Gwalior, India**
**SESSION TEAM: Ms. Priyanka Gupta, Ms. Sharadhha Dubey, Mr. Vinay Kumar Tatikayala**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 26 | Anurag Soni | A Particle Swarm Optimization based model for QualitySafety trade-off optimization under constraint duration and cost of construction project | MITS, Gwalior, MP, India | 1. References are not cited properly in the paper.<br>2. In the result section, if the authors are comparing results with another methodology, then a comparative table could be more appropriate to highlight superiority.<br>3. Please improve result section. No need to discuss any methodology in result section.<br>4. paper must be formatted as per the Springer guidelines.<br>5. Citation of paper is poor, it is recommended to cite the paper in ascending order only.<br>6. Don't use roman words for numbering the equations.<br>7. As PSO is very sensitive to its control parameters, how these parameters are selected in the paper; please specify. | 1. Whether you have developed DST model or not.<br>2. Why you are not using data collected from Gwalior.<br>3. Parameters which will effect Global warming.<br>4. Is there any logic behined using PSO.<br><br>Priyanka Gupta<br>Shradha Dubey<br>Vinay Kumar Tatikayala<br>Name<br>Priyanka Dubey<br>Signature |



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**Paper Presentation (Session - 5) : 19.12.2020**
**Session Chair 1: Dr. Ravi Shankar, NIT, Patna**
**Session Chair 2: Dr. Manish Dixit, MITS, Gwalior, India**
**Session Chair 3: Dr. Manoj Gaur, MITS, Gwalior, India**
**SESSION TEAM: Ms. Priyanka Gupta, Ms. Sharadhha Dubey, Mr. Vinay Kumar Tatikayala**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 80 | Prachi Mafidar Joshi | Equilibrium Optimizer based optimal allocation of SVCs for voltage regulation and Loss minimization | Shri GS Institute of Technology and Science, Indore, MP, India | There is no novelty in this paper. Each part of the whole literature has been already published by previous literature.<br>1.SVCs for voltage regulation and its Loss minimization are not new and Grey Wolf Optimizer (GWO) is well illustrated by the many literatures.<br>2. use springer template for paper preparation.<br>3. As author claims that it is multi-objective problem, it's not clearly justified using (8), so cite the ref from which this eq is adopted.<br>4.Clearly mention the values of λ1 and λ2 considered for simulation purpose.<br>5.Write mirjalili et. al in spite of writing "Seyedali Mirjalili, Seyed Mohammad Mirjalili and Andrew Lewis" (ref sec 4)<br>6.As author has implemented PSO, GWO and EO for sultion of above problem, but how the parameters of respective algorithm are selected is not clear. Here justification is required.<br>7.Do not use format like " 2.913e+06" ref table 1,2 and 3 . mention results in normal format up to four points after decimal for clear vision<br>8.The manuscript is not formatted as per the springer guidelines.<br>9. the author has not described the system considered for the simulation, add the block diagram for the system under consideration on which simulation is performed.<br>10. traditional method used for placement of SVC must also be compared to the proposed work to show the superiority of the proposed model.<br>11. the referencing is not proper in the manuscript it must be corrected.<br>12.In all the flow charts, variable suffixes should be in subscript.<br>13.Page 5 after sleeping time... see for punctuation error. | 1. How you are taking loading conditions<br>2. What is the population size considered.<br>3. Is there any logic for the selection of this specific algorithm.<br><br>Priyanka Gupta<br>Shradha Dubey<br>Vinay Kumar Tatikayala<br>Name<br>Priyanka Gupta Dubey<br>Signature |



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**Paper Presentation (Session - 5) : 19.12.2020**
**Session Chair 1: Dr. Ravi Shankar, NIT, Patna**
**Session Chair 2: Dr. Manish Dixit, MITS, Gwalior, India**
**Session Chair 3: Dr. Manoj Gaur, MITS, Gwalior, India**
**SESSION TEAM: Ms. Priyanka Gupta, Ms. Sharadhha Dubey, Mr. Vinay Kumar Tatikayala**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 34 | Kingshuk Roy | MVO Based Approach for Optimal DG and Capacitor Allocation | MITS, Gwalior, MP, India | Authors are requested to incorporate following suggestions:<br>1. In the abstract in the sentence "The objective function has been for formulated as constrained minimization of active power loss." For should be removed.<br>2. In the sentence "In every iteration object from each universes tends to move towards the best universe through wormholes" some word is missing. Correct it.<br>3. Comparison of result shown in table number 2 for reference [2] and [5] are for the same test system or for different one.justify<br>4. Page 02 Eq(1) eq(2), specify the terms used in equation 2. Page 02 col. 02 line 01 reference is incorrect. Arrange the reference serially.<br>5. fig 01 Why backward forward sweep method are used for power flow calculation. What are its advantages than the other methods?<br>6. How authors has selected the number of universes and other control parameter for MVO? | Suggested that make a paper for journal.<br>Priyanka Gupta<br>Shradha Dubey<br>Vinay Kumar Tatikayala<br>Name<br>Priyanka Dubey<br>Signature |





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**Paper Presentation (Session - 5) : 19.12.2020**
**Session Chair 1: Dr. Ravi Shankar, NIT, Patna**
**Session Chair 2: Dr. Manish Dixit, MITS, Gwalior, India**
**Session Chair 3: Dr. Manoj Gaur, MITS, Gwalior, India**
**SESSION TEAM: Ms. Priyanka Gupta, Ms. Sharadhha Dubey, Mr. Vinay Kumar Tatikayala**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 60 | Sunita Shukla | An optimum multi-objective dynamic scheduling strategy for a hybrid microgrid system using fuzzy rank based modified differential evolution algorithm | MITS, Gwalior, MP, India | 1. multiple references are not cited in the proper format.<br>2. equation 2 & 11 need to be rewritten<br>3. figure 2 is blurred and illegible to read the flowchart<br>4. clearly mention the low, medium, and high loading condition in the text<br>5. figure 7 and figure 8 has the same caption | 1. Is it applicable for domestic work.<br>2. You have tested simply on experimentally.<br>3. any prototype model developed by you.<br>Priyanka Gupta<br>Shradha Dubey<br>Vinay Kumar Tatikayala.<br>Name<br>Signature |





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**Paper Presentation (Session - 5) : 19.12.2020**
**Session Chair 1: Dr. Ravi Shankar, NIT, Patna**
**Session Chair 2: Dr. Manish Dixit, MITS, Gwalior, India**
**Session Chair 3: Dr. Manoj Gaur, MITS, Gwalior, India**
**SESSION TEAM: Ms. Priyanka Gupta, Ms. Sharadhha Dubey, Mr. Vinay Kumar Tatikayala**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 18 | Deepak Paliwal | Optimal Controller Design for Buck converter fed PMBLDC motor using Salp Swarm Algorithm (SSA) | Rajasthan Technical University, Kota, Rajasthan, India | 1. At many places, authors have put the first alphabet of the word in caps even when the word is not the first word of the sentence.<br>2. The authors mention Section 0 in Page 2 but there is no such section in the manuscript.<br>3. Kindly give the reference for Figure 1 and Figure 2.<br>4. The authors have shown the MATLAB simulated results but have not discussed the results.<br>5. The authors need to explain how they arrived at the parameters values of SSA algorithm in Table 4.<br>6. The authors have not compared their results with the existing results in the literature<br>7. The conclusion section needs improvement .In abstract also English must be improved. [In salp swarm, why the first S is in capital? Similarly some letters are unnecessarily in capita/uppercase. | 1. If your results are better than other.<br>2. Why you are choosing salp Swarm Algorithm.<br>Priyanka Gupta<br>Shradha Dubey<br>Vinay Kumar Tatikayala.<br>Name<br>Signature |



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**Paper Presentation (Session - 5) : 19.12.2020**
**Session Chair 1: Dr. Ravi Shankar, NIT, Patna**
**Session Chair 2: Dr. Manish Dixit, MITS, Gwalior, India**
**Session Chair 3: Dr. Manoj Gaur, MITS, Gwalior, India**
**SESSION TEAM: Ms. Priyanka Gupta, Ms. Sharadhha Dubey, Mr. Vinay Kumar Tatikayala**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 85 | Poonam Singh | Techno-economic assessment of a hybrid renewable energy system using dynamic search space | MITS, Gwalior, MP, India | 1. the author has not described the system, ratings of the different sources, and load.<br>2. how the hourly load profile has been plotted, from where the data is taken?<br>3. the load profile for all the seasons is the same, which is not possible.<br>4. formatting of the paper is not properly done.<br>5. the objective of the paper is not clear.<br>6. selection criteria for IPA and PSO is missing.<br>7. comparison of convergence curve of above method is missing in the paper<br>8.use springer template for preparation of manuscript<br>9. define all nomenclature used in paper carefully<br>10. do not write hanging eq, number it in proper ascending sequence<br>11. improve quality of fig 1 & fig 2<br>12. add convergence of IPA and PSO for better comparison | 1. which type of renewable hybrid system you have studied<br>2. Is your system is applicable to any location.<br><br>Priyanka Gupta<br>Shradha Dubey<br>Vinay Kumar Tatikayala<br>Name<br><br>Priyanka<br>Signature |



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**Paper Presentation (Session - 5) : 19.12.2020**
**Session Chair 1: Dr. Ravi Shankar, NIT, Patna**
**Session Chair 2: Dr. Manish Dixit, MITS, Gwalior, India**
**Session Chair 3: Dr. Manoj Gaur, MITS, Gwalior, India**
**SESSION TEAM: Ms. Priyanka Gupta, Ms. Sharadhha Dubey, Mr. Vinay Kumar Tatikayala**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 14 | Kamal Sharma | Simulated Annealing based Time-Cost Trade-off model for Construction Projects | MITS, Gwalior, MP, India | 1. Eqs are not numbered properly as per standard guideline<br>2. Numbering of fig is missing at some places<br>3. Selection of parameter for analysis is not clear<br>4. It is suggested to rewrite Abstract and conclusion in compressed and informative manner<br>5. Paper is not as per Springer guideline; whole paper requires proper formatting | 1. What is working efficiency of simulated annealing based time-cost trade off model.<br>2. Compare the above with GA based TCT model.<br>Priyanka Gupta<br>Shradha Dubey<br>Vinay Kumar Tatikayala.<br>Name<br>Priyanka Dubey<br>Signature |



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# REPORT: SESSION - VI

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**AICTE Sponsored Second *International Conference on***
***Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology***
**(ICSISCET - 2020)**
**18-19 December, 2020**

## *Attendance of Paper Presentation Session – VI*

| **Paper Presentation Session - VI : 19.12.2020** | | | | | **Indian Time** |
|---|---|---|---|---|---|
| Session Chair: Dr. Jawar Singh, IIT, Patna<br>Session Chair: Dr. Nitin Mallik, The NorthCap University, Gurgaon, India<br>Session Chair: Dr. P. K. Singhal, MITS, Gwalior, India<br>Session Chair: Dr. Vijay Bhuria, MITS, Gwalior, India<br>**SESSION TEAM: Prof. Nupur Verma, Ms. Aditi Tiwari, Mr. Vimal Tiwari** | | | | | **01:45 - 04:00 PM** |
| **Paper ID** | **Name of Presenter** | **Topic** | **Affiliation** | **Contact Number** | **Attendance** |
| 101 | Shailesh Kumar Thakur | Lung Cancer: Detection And Classification Of Malignancies | MANIT, Bhopal, MP, India | 8510820844 | P |
| 35 | Deep Kishore Parsediya | Analysis of Phase Error in Rotman Lens design with Different Beam Angles | MITS, Gwalior, MP, India | 8989474070 | P |
| 100 | Samriddhi Bhasin | Modeling the effect of Quarantine and Isolation for COVID-19 Spreading | Bhagwan Parshuram Institute of Technology, Delhi, India | 7042969817 | P |
| 61 | Vinay Kumar Tatikayala | Modified DC-DC Converter for integration of Energy sources | MITS, Gwalior, MP, India | 9505936205 | P |
| 48 | Manish Gaikwad | Electromagnetic modeling and parameters extraction of metal contact and capacitive type RF MEMS switch | Rajiv Gandhi Institute of Technology, Versova, Andheri West, Mumbai, Maharashtra, India | 8454025565 | P |
| 95 | Himmat Singh | Optimal Placement of DG and Capacitor in Radial Distribution Networks Using Differential algorithm | MITS, Gwalior, MP, India | 9826501588 | P |
| 41 | Vinita Khandegar | Optimization of congo red dye by Iron oxide@AC | University School of Chemical Technology, GGSIP University, New Delhi, India | 9821133713 | P |
| 83 | Vishal Chaudhary | Combined Heat-Power Economic Emission Dispatch for a Microgrid using Coyote Optimization | MITS, Gwalior, MP, India | 9926245805 | P |
| 81 | Tanya Shrivastava | LGCBPNN: Determine the Multilayer Neural Network using Local Gravitational Clustering | MITS, Gwalior, MP, India | 8770034238 | P |
| 88 | Kimaya S Patil | Freshivo, Achieving Social Sustainability through Technology | IIT, Roorkee, Uttarakhand India | 8109078909 | P |

**Paper Presentation (Session -6): 19-12-2020**
**Session Chair 1: Dr. Jawar Singh, IIT, Patna**
**Session Chair 2: Dr. Nitin Mallik, The NorthCap University, Gurgaon, India**
**Session Chair 3: Dr. P. K. Singhal, MITS, Gwalior, India**
**Session Chair 4: Dr. Vijay Bhuria, MITS, Gwalior, India**
**SESSION TEAM: Ms. Nupur Verma, Ms. Aditi Tiwari, Mr. Vimal Tiwari**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 101 | Shailesh Kumar Thakur | Lung Cancer: Detection And Classification Of Malignancies | MANIT, Bhopal, MP, India | 1.The paper is well written and the concept is explained in detail. Good models for segmentation also results are promising. however1. Proposed model needs to be tested on a real dataset.2. Check ref [22] again and cite carefully<br>2. 'list3_2.csv file' mentioned various times by the author in the manuscripts but what actually it is not cleared. If it is standard data set please cite its sources in the references and also wherever it is appearing in the manuscripts otherwise needs clear explanation/justification how it is collected for its authenticity.<br>3. Use either Fig or Figure in whole manuscripts.<br>4.Explain the terms used in eq 01 and section 2.1 (second para, last line) | Following queries were asked by the Session chair –<br>1) How would you practically implement the work?<br>Session chair appreciated the author's work and presentation.<br>ADITI TIWARI<br>Vimal Tiwari<br>Name<br>Aditi Tiwari Vimal<br>Signature |



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**Paper Presentation (Session -6): 19-12-2020**
**Session Chair 1: Dr. Jawar Singh, IIT, Patna**
**Session Chair 2: Dr. Nitin Mallik, The NorthCap University, Gurgaon, India**
**Session Chair 3: Dr. P. K. Singhal, MITS, Gwalior, India**
**Session Chair 4: Dr. Vijay Bhuria, MITS, Gwalior, India**
**SESSION TEAM: Ms. Nupur Verma, Ms. Aditi Tiwari, Mr. Vimal Tiwari**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 35 | Deep Kishore Parsediya | Analysis of Phase Error in Rotman Lens design with Different Beam Angles | MITS, Gwalior, MP, India | The following points may be incorporated to improve the quality.<br>1. Not all symbols/Notations are defined in equation (1) - (4).<br>2. Equation (4) is not clear.<br>3. Figure captions are same for fig. 3, fig. 4 and fig. 5. Check it properly.<br>4. Consider the sentence on page 5 " can be minimized only with slightly high value of parameter". Elaborate the findings.<br>5. What are the criteria for the selection of beam angle? Please specify<br>6. Comparison of simulation results requires proper validation.<br>7. Please define all parameters and its use for better understanding.<br>8. Format all the figures carefully its clear vision, and strictly follow Springer guideline for manuscript preparation. | Following queries were asked by the session chair –<br>(i) What is the efficiency of Lens and their simplified expression ?<br>(ii) How to demonstrate the performance of Lens ?<br>(iii) How to measure Phase error and Margin error of Lens.<br>(iv) How to increase fallback of increasing the deep angle.<br>Author gave satisfactory answers to all the queries.<br>ADITI TIWARI<br>Name Vimal Tiwari<br>Signature Aditi Tiwari Vimal |

**Paper Presentation (Session -6): 19-12-2020**
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**Session Chair 4: Dr. Vijay Bhuria, MITS, Gwalior, India**
**SESSION TEAM: Ms. Nupur Verma, Ms. Aditi Tiwari, Mr. Vimal Tiwari**

| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 100 | Samriddhi Bhasin | Modeling the effect of Quarantine and Isolation for COVID-19 Spreading | Bhagwan Parshuram Institute of Technology, Delhi, India | 1. On page 4 line 4 it is written "An infected node may propagate the disease to a susceptible node " that is not matched to fig 1.<br>2. Detail about the dataset is not clear also the environment setting for the experiment requires some explanation.<br>3. Performance evaluation of the algorithms used is missing, it needs to be incorporated.<br>4. Paper size may be reduced.<br>5. References may be changed as per springer format.<br>6. Axis mark of figures may be made bold to make it more readable | Following queries were asked by the session chair –<br>i) Have you fitted the real time data?<br>ii) Source of data set?<br>iii) What is the difference b/w Synthetic & Real data?<br>iv) ~~How~~ What is the replica of Real data?<br>v) How to choose value of $\alpha$ & $\beta$?<br><br>Author gave satisfactory explanation to all the queries.<br>ADITI TIWARI<br>Name Vimal Tiwari Signature |

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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 61 | Vinay Kumar Tatikayala | Modified DC-DC Converter for integration of Energy sources | MITS, Gwalior, MP, India | The title needs to be changed. "Distribution Generation" should be "Distributed Generation"<br>1.The Incorporating Power electronic converters for Distribution Generation interconnection is not a new thing to publish.<br>2. The quality of the text, mathematical equations, and Figures are very poor, which is not acceptable at all.<br>3. It looks authors have put the screen shot from the PDF file.<br>4. The figures are not clear.<br>5. All equations in the manuscripts seems as image, pleas rewrite all the equations.<br>6. The paper is not concluded in the proper way.<br>7. Figure 4 and 5 are not cited in the paper.<br>8.Latest references are missing in the figure. Please add few references of past ¾ years and cite them properly in the paper. | Following queries were asked by the session chair –<br>i) How to connect two voltage sources (different). Is it connected to series or parallel.<br>ii) Comment — Economic aspect of DC to DC convertor & tap changing transformer.<br>iii) What is the alternative of tap changing transformer?<br>(iv) Why was Buck convertor chosen over other convertors. Its Advantages?<br>Author gave satisfactory answers.<br>ADITI TIWARI<br>Name Vimal Tiwari Signature |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 48 | Manish Gaikwad | Electromagnetic modeling and parameters extraction of metal contact and capacitive type RF MEMS switch | Rajiv Gandhi Institute of Technology, Versova, Andheri West, Mumbai, Maharashtra, India | 1.Author claims that the novel RF MEMS metal to metal contact and capacitive contact switch is presented and the performance characteristics of both designs obtained by using analytical and simulation method.<br>2. Paper is well written, however Notation of various nomenclature used in paper are missing ( ref . RF MEMS, FEA, Ansys and HFSS) which makes the paper confusing, explain it clearly for better understanding | Following queries were asked by the session chair –<br>i) Which software has been used for simulation?<br>ii) What is the range of frequency? Would this work on 0 Hz (zero) frequency DC?<br>iii) Suggestion – Also focus on the precision of convertor.<br>iv) What is the value of Dielectric constant?<br>v) What is the main challenge for fabrication?<br>Author gave satisfactory answers.<br><br>Name ADITI TIWARI / Vimal Tiwari Signature Aditi Tiwari / Vimal |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 95 | Himmat Singh | Optimal Placement of DG and Capacitor in Radial Distribution Networks Using Differential algorithm | MITS, Gwalior, MP, India | 1. Formatting is not according to the template.<br>2. Please check the spelling of "differential evolution algorithm" throughout the paper. It is misspelled almost everywhere.<br>3. Please re-write conclusion section.<br>4. Proper validation of results with other methods is required<br>5. How the parameter of DE is selected, not specified?<br>6.Explain about balanced radial distribution generation.<br>7.Has author proposed DE?<br>8.Has FACTs devices also been used as mentioned in the abstract.<br>9.Explain all terms used in eq (1) to eq (7).<br>10.Section 2.1 does not deliver complete information.<br>11. Author is advised to be consistent in numbering section (use numeric only).<br>12 Author is advised to recheck the numbering of fig and either use figure or fig. in whole manuscripts.<br>13.Author has advised to describe the Nomenclature before used.<br>14. Why FBLF method is used?<br>15.Reference mentioned in steps are irrelevant.<br>16. Add reference for IEEE -12 bus data<br>17. Add description of Table 2-4 in manuscripts<br>18. Table 1 and Table 2 not giving the complete information.<br>19.Typographical error, some sentence/word are incomplete. | Following queries were asked by the session chair –<br>i) What is the role of CPU time? How it affects the performance of algorithm? Does it also affect the system performance?<br>ii) What load flow program was used for different cases?<br>iii) Suggestion – Try to find the Optimal Power factor of DG.<br>iv) Which type of DG was used?<br>Observation – Type I & Type IV DG perform better compared to type III.<br>Author gave satisfactory answers.<br>Name ADITI TIWARI / Vimal Tiwari Signature aditiwari / Vimal |

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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 41 | Vinita Khandegar | Optimization of congo red dye by Iron oxide@AC | University School of Chemical Technology, GGSIP University, New Delhi, India | The paper is relate with Chemical engg, here the effect of coating the iron oxide on activated carbon for removal of congo red (CR) dye from wastewater were examined by UV-VIS spectrophotometer and validated with reported results . Paper is well formatted. Accept as it is. | Following queries were asked by the session chair –<br>i) From where did you get Activated Carbon (CR dye)<br>ii) What is the pH value of it?<br>iii) Suggestion – Focus on different absorption capability.<br>(iv) How do you define good Removal Efficiency? What is its value, high or low?<br>(v) What are the most suitable application of this?<br>Author gave satisfactory answers.<br>Name Vimal Tiwari ADITI TIWARI Signature |





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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 83 | Vishal Chaudhary | Combined Heat & Power Dispatch Considering Environmental constraint by Coyote Optimization Algorithm | MITS, Gwalior, MP, India | 1. In the captions of Fig. 1, 2 and 3, 'PD' is written. What is PD?<br>2. Various Pareto-front is plotted in the manuscript; however its explanation is missing. What is the purpose of providing Pareto-front, please explain.<br>3. In abstract section, authors claimed that Weibull probability distribution is used for wind modelling. But it is nowhere mention in the remaining paper. Please explain where and how Weibull probability distribution is used for wind modelling.<br>4.Incomplete conclusion section, please re-write it.<br>5.Correct the title of paper<br>6. incomplete conclusion<br>7. abstract is not matching with the work presented in the paper<br>8. Manuscript needs major revision | Following queries were asked by the session chair –<br>(i) Have you also included emissions?<br>(ii) How many Pareto front were created?<br>(iii) How did you corelate TOPSIS, DER & others?<br>(iv) Is TOPSIS the best method amongst all of these?<br>Author gave satisfactory answers.<br>Vimal Tiwari<br>Name ADITI TIWARI Signature Vimal Aditi Tiwari |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 81 | Tanya Shrivastava | LGCBPNN: Determine the Multilayer Neural Network using Local Gravitational Clustering | MITS, Gwalior, MP, India | 1.Authors can add the complications to extend to Nemours hidden layers.<br>2. formatting of paper is not proper<br>3. Correct all table and fig carefully in symmetrical manner<br>4. Rewrite whole paper, especially abstract and conclusion in short and informative manner<br>5. use standard formatting for the citation | Following queries were asked by the session chair –<br>i) what optimum no. of clusters did you find?<br>ii) How to differentiate b/w Training function & Activation function?<br><br>Author gave satisfactory reply.<br><br>Name Vimal Tiwari ADITI TIWARI Signature Vimal Aditiwari. |



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| Paper ID | Name of Presenter | Paper Title | Affiliation | Comments | Report based on session chair's comments/ questions |
|---|---|---|---|---|---|
| 88 | Kimaya S Patil | Freshivo, Achieving Social Sustainability through Technology | Indian Institute of Technology , Roorkee | 1.Author has presented the new idea Social Sustainability through mobile app.<br>2.Mostly the its contents are copied from YouTube<br>3.From application point of view its proper justification and validation is required, which is missing in the paper<br>4. Author has presented the new idea only which are copied from internet.<br>5.Proper References are missing<br>6.From application point of view its proper justification/validation is required | Following queries were asked by the session chair –<br>i) Is it for both IOS & Android platform?<br>ii) Did you code yourself or hired someone else?<br>iii) Is it done entirely in JAVA script?<br>iv) Are you looking for Investors?<br>v) Are you also involved in Startup Competitions?<br>Suggestion – look up for IIT's website for sponsorship<br>Author gave satisfactory answers – |

Name: ADITI TIWARI, Vimal Tiwari — Signature: Aditi Tiwari, Vimal





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## Second International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology

## In Virtual Mode (18th & 19th December-2020)

# WELCOME TO ICSISCET-2020

## Sponsored by AICTE & TEQIP-III

## Day-1

**Inaugural Ceremony At 10:00 AM**

**Technical Session Speakers**

**DR. P.N. SUGANTHAN**
Nanyang Technological University, Singapore

**DR. ANURADHA RANASINGHE**
Liverpool Hope University, United Kingdom

**DR. SWAGATAM DAS**
Indian Statistical Institute, Kolkata, West Bengal, India

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## Second International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology

## In Virtual Mode (18th & 19th December-2020)

# WELCOME TO ICSISCET-2020

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## Day-2

### Technical Session Speakers

**DR. CARLOS A. COELLO COELLO**
Professor of Computer Science
CINVESTAV-IPN, Mexico

**DR. R.V. RAO**
NIT, Surat, Gujrat,
India

**DR. J.C. BANSAL**
South Asian University,
New Delhi, India

**DR. SUMANTRA DUTTA ROY**
IIT Delhi,
India

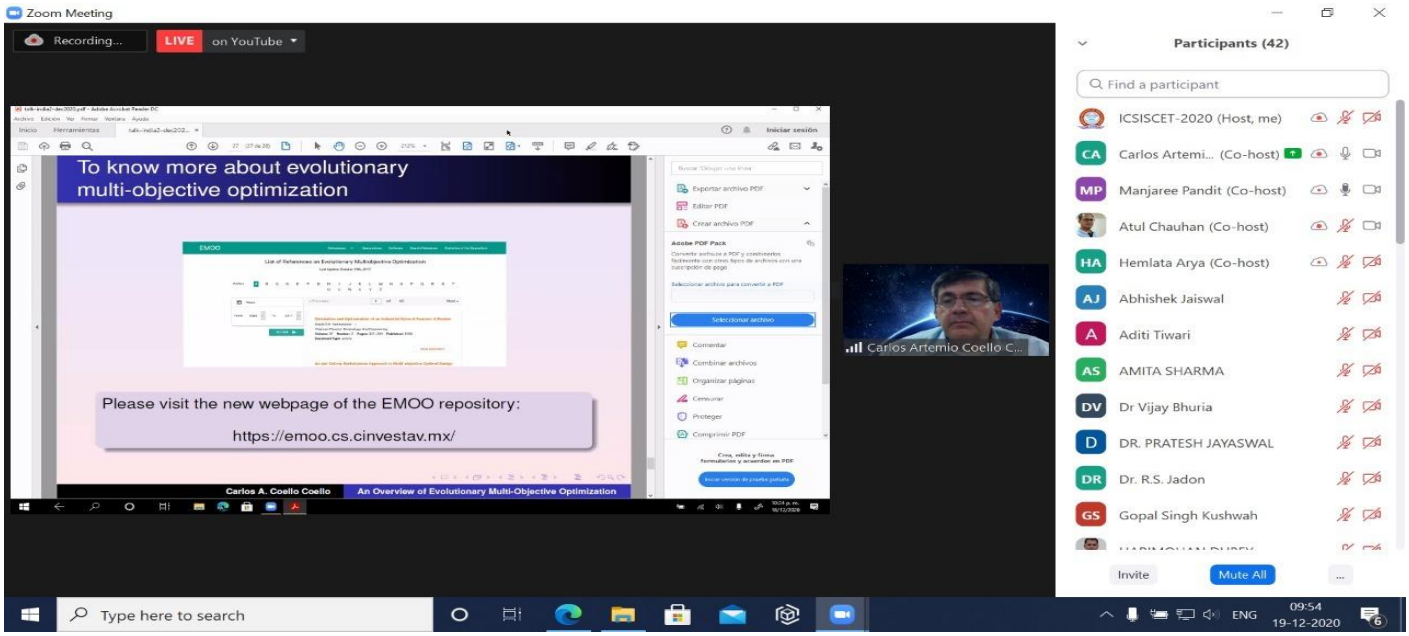
**DR. B.K. PANIGRAHI**
IIT Delhi,
India

PUBLICATION PARTNER:

Springer

# GLIMPSES (PHOTOGRAPHS)

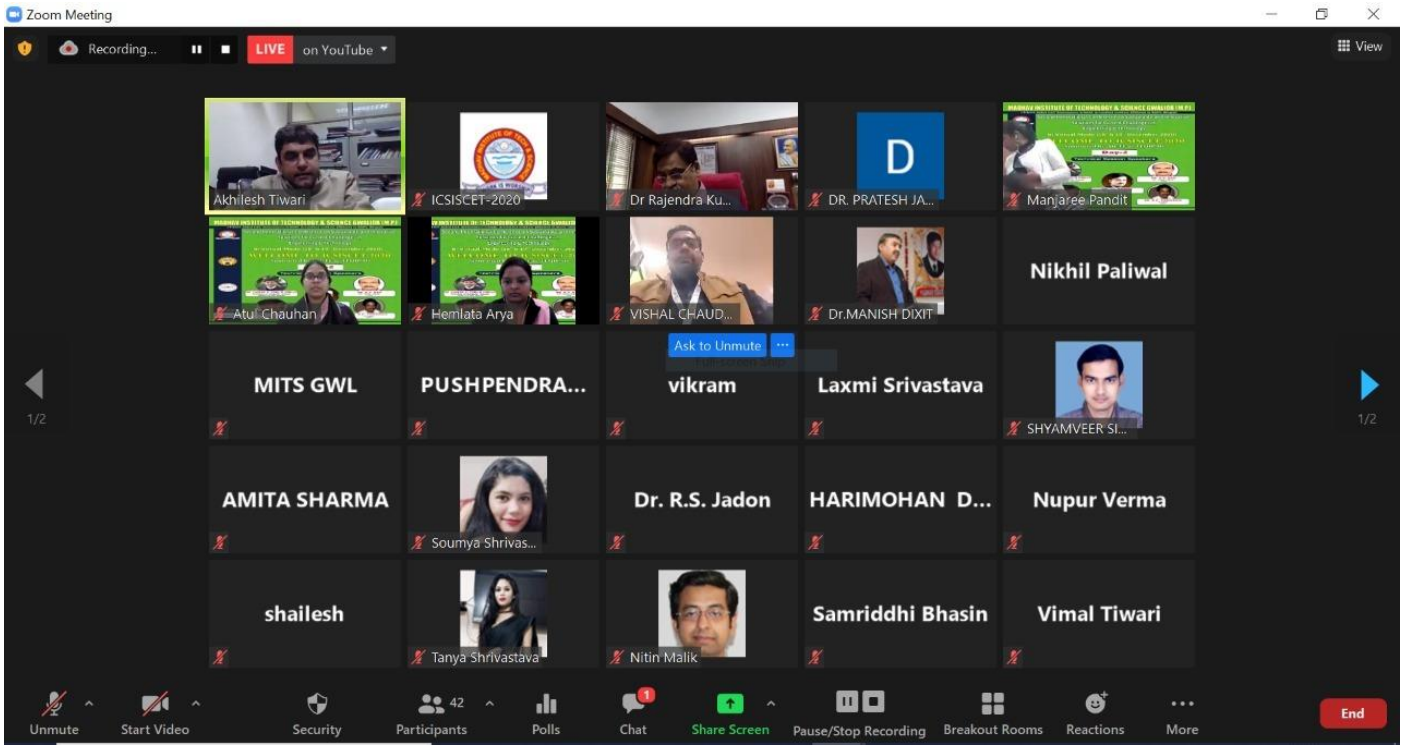

**KEYNOTE ADDRESS BY DR. K.K. AGGARWAL, PATRON & CHAIRMAN NBA**



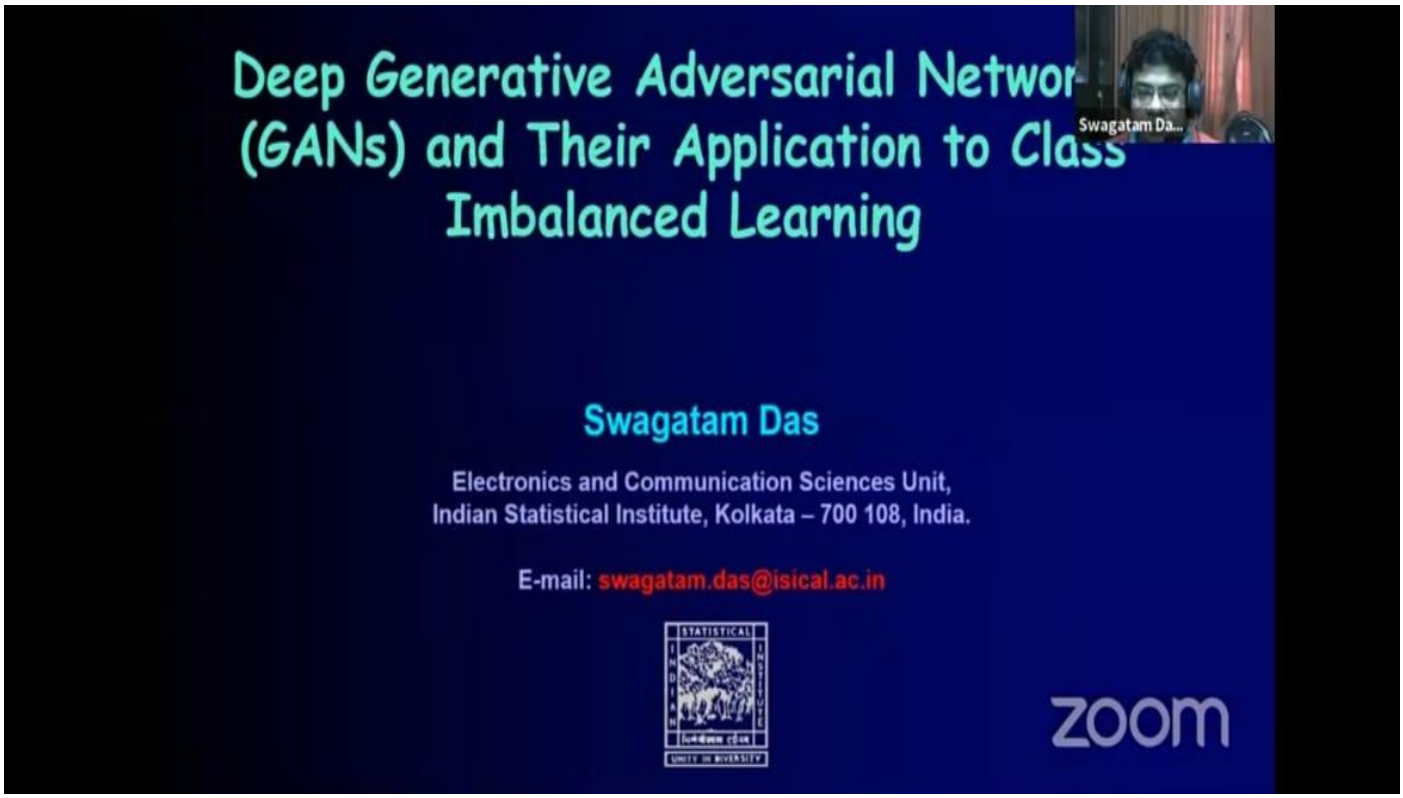

**DR. CARLOS A. COELLO COELLO OF CINVESTAV-IPN, MEXICO**


**DR. ANURADHA RANASINGHE, LIVERPOOL HOPE UNIVERSITY, UNITED KINGDOM,**

**DELIVERING HER EXPERT TECHNICAL SESSION ON DAY-1**

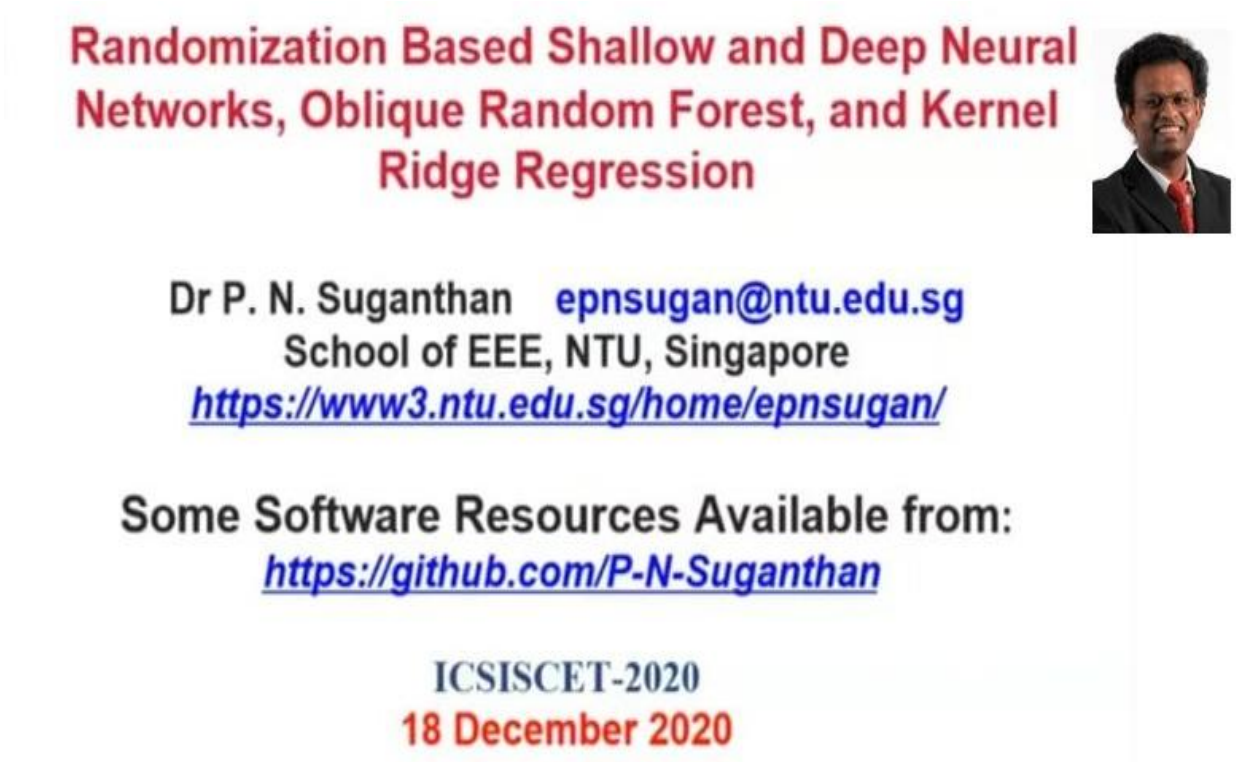



**DURING THE CONFERENCE**

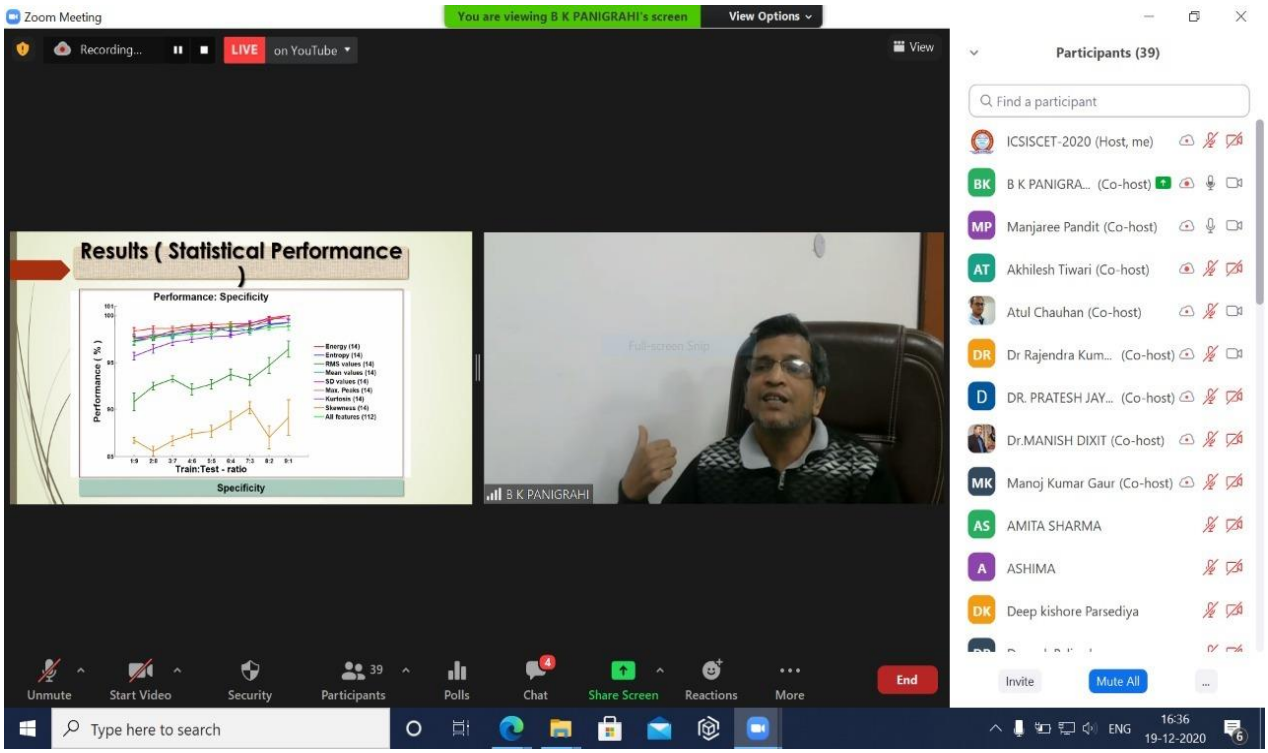




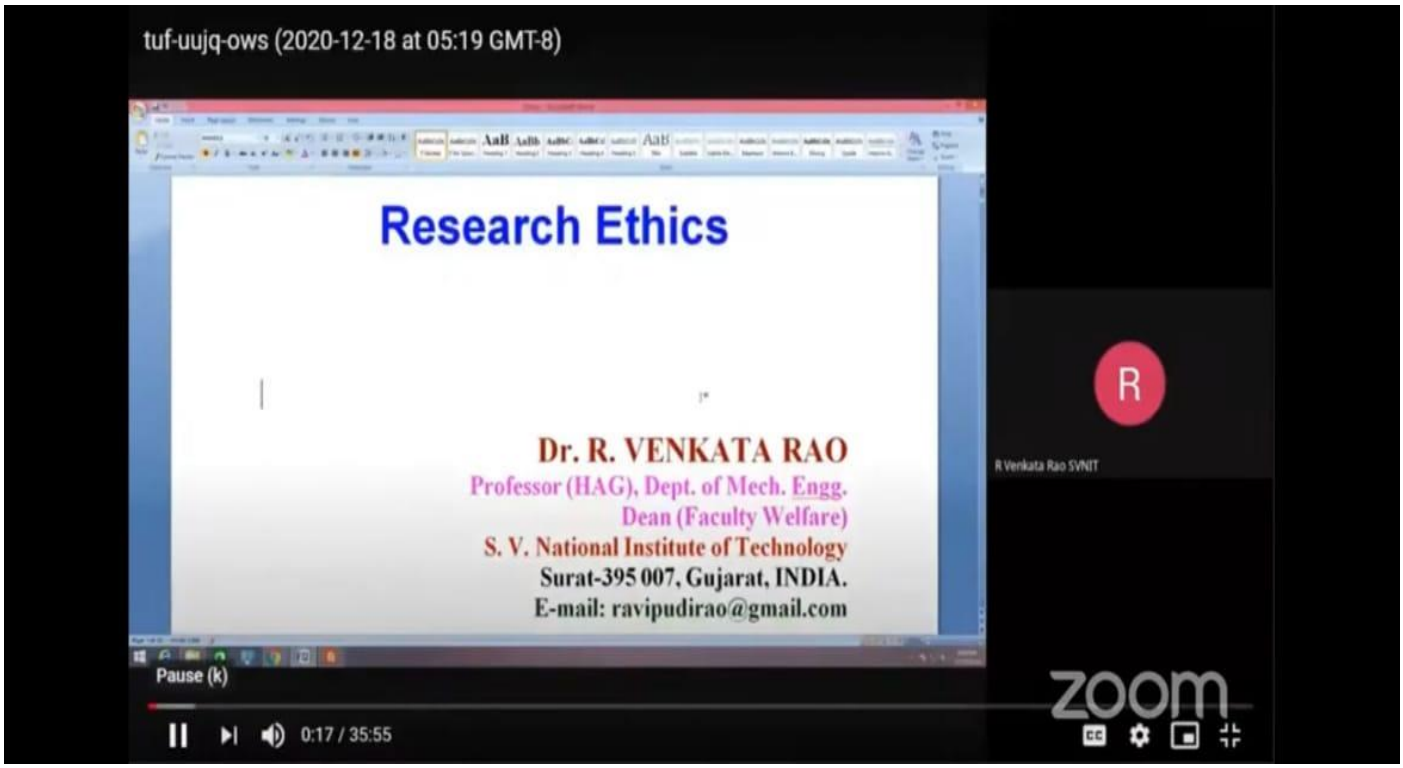
**DR. SWAGTAM DAS, INDIAN STATISTICAL INSTITUTE, KOLKATA, INDIA, DELIVERING HIS EXPERT TECHNICAL SESSION ON DAY-1**



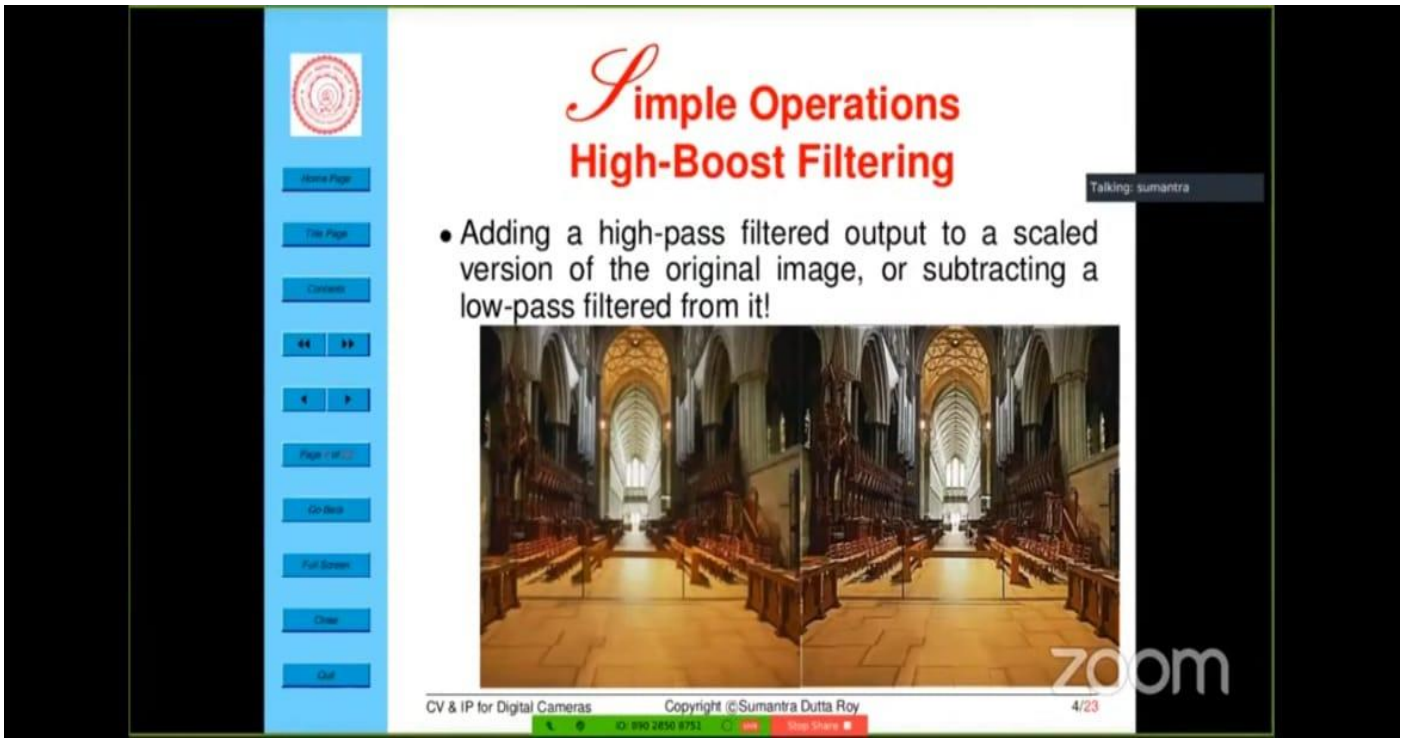

**DR. P.N. SUGANTHAN NANYANG TECHNOLOGICAL UNIVERSITY, SINGAPORE, DELIVERING HIS EXPERT TECHNICAL SESSION ON DAY-1**




**DR. B.K. PANIGRAHI, IIT, DELHI, INDIA, DELIVERING HIS EXPERT TECHNICAL SESSION ON DAY-2**




**DR. R. VENKATA RAO, SVNIT, GUJARAT, INDIA DELIVERING HIS EXPERT TECHNICAL SESSION ON DAY-2**




**DR. SUMANTRA DUTTA ROY, IIT, DELHI, INDIA DELIVERING HIS EXPERT TECHNICAL SESSION ON DAY-2**

**SECOND ICSISCET-2020 CONTROL ROOM**

**SECOND ICSISCET-2020 CONTROL ROOM**

**CONFERENCE CORE-GROUND TEAM**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**CORE-TEAM AFTER SUCCESSFUL COMPLETION OF SECOND ICSISCET-2020**

# MEDIA COVERAGE

## एमआइटीएस में वर्चुअल इंटरनेशनल कॉन्फ्रेंस आज

ग्वालियर । एमआइटीएस में दो दिवसीय इंटरनेशनल कॉन्फ्रेंस का शुभारंभ शुक्रवार को होगा। वर्चुअल कॉन्फ्रेंस में देश विदेश से सौ से अधिक प्रतिभागी शामिल होंगे। इस दौरान 6 पेपर प्रजेंटेशन सेशंस एवं 8 टेक्निकल सेशंस होंगे।

## 'आने वाला समय ड्रोन और रोबोट तकनीक का है'

### एमआईटीएस में दो दिवसीय ऑनलाइन कॉन्फ्रेंस

सिटी रिपोर्टर | ग्वालियर

माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस तथा एआईसीटीई के तत्वावधान में सस्टेनेबल एंड इनोवेटिव सॉल्यूशंस फॉर करंट चेलेंजेस इन इंजीनियरिंग एंड टेक्नोलॉजी विषय पर दो दिवसीय ऑनलाइन इंटरनेशनल कॉन्फ्रेंस का शुभारंभ हुआ। मुख्य अतिथि एमआईटीएस के बोर्ड ऑफ गवर्नर के सदस्य प्रशांत मेहता थे। कार्यक्रम की व्यवस्थाएं संस्थान के रजिस्ट्रार शैलेंद्र सिंह भदौरिया ने संभाली।

उद्घाटन सत्र की शुरुआत कॉन्फ्रेंस की कोऑर्डिनेटर एवं एमआईटीएस की डीन डॉ. मंजरी पंडित ने की। डॉ. पंडित ने कहा कि आने वाला समय ड्रोन और रोबोट तकनीक का है। उन्होंने कहा कि इस तरह की कॉन्फ्रेंस के द्वारा तकनीकी क्षेत्र की चुनौतियों, उनके समाधान एवं उनसे जुड़ी रिसर्च को बढ़ावा मिलता है। कॉन्फ्रेंस में 68 पेपर रिव्यू एवं प्रेजेंटेशन के लिए चुने गए। कार्यक्रम को एनबीए के चेयरमैन डॉ. केके अग्रवाल, लिवरपूल विश्वविद्यालय यूके की डॉ अनुराधा राणासिंघ, डॉ पी एन सुगनथन आदि ने संबोधित किया।

## एमआईटीएस में हुई संगोष्ठी

## रिसर्च एथिक्स ऐसी विधा जो शोध के तरीकों को बताती है

ग्वालियर • रिसर्च एथिक्स ऐसी विधा है जो शोध के तरीकों के बारे में बताती है। इसका फायदा शोध करने वालों को मिलता है। आज के युग में विद्यार्थियों को शिक्षकों और अपने सीनियर्स के प्रति सकारात्मक रवैया रखना चाहिए। यह बात एनआईटी सूरत के डॉ. आरवी राव ने कही।

वे एमआईटीएस की ऑनलाइन आयोजित अंतरराष्ट्रीय संगोष्ठी में बोल रहे थे। आईआईटी दिल्ली की डॉ. सुमंत्रा दत्ता रॉय ने भी अपने विचार रखे तथा इसके फायदे प्रतिभागियों को बताए। वहीं साउथ एशियन यूनिवर्सिटी नई दिल्ली के डॉ. जेसी बंसल ऑप्टीमाइजेशन तकनीक पर चर्चा की। इसके बाद देश और विदेश के शोधार्थियों ने अपने-अपने पेपर प्रस्तुत किए। इस अवसर पर संस्थान के डायरेक्टर डॉ. आरके पंडित, कोआर्डिनेटर डॉ. मंजरी पंडित सहित अन्य फैकल्टी मेंबर ऑनलाइन जुड़े।

## दो दिवसीय अंतरराष्ट्रीय कान्फ्रेंस आज से

**ग्वालियर**। माधव इंस्टीट्यूट आफ टेक्नोलाजी एंड साइंस (एमआइटीएस) की दो दिवसीय आनलाइन अंतरराष्ट्रीय कान्फ्रेंस शुक्रवार से शुरू होगी। दो दिनों में आठ टेक्निकल सेशन होंगे। इस दौरान छह पेपर का प्रजेंटेशन होगा। कान्फ्रेंस में यूके, मेक्सिको और सिंगापुर से विशेषज्ञ और शोधार्थी शामिल होंगे, जो अपने अनुभवों को शेयर करेंगे। आयोजन में आइआइटी, एनआइटी, स्टेटिस्टिक्स इंस्टीट्यूट कोलकाता, साउथ एशियन, दिल्ली, नार्थ कैप यूनिवर्सिटी, राजस्थान टेक्निकल यूनिवर्सिटी आदि के प्रोफेसर व शोधार्थियों की मौजूदगी रहेगी। कान्फ्रेंस के अतिथि आर्टिफिशियल इंटेलिजेंस, मशीन लर्निंग, इवोल्यूशनरी, कंप्यूटिंग, रोबोटिक्स, ह्यूमन रोबोट इंटरेक्शन आदि विषयों पर चर्चा करेंगे। कीनोट एड्रेस नेशनल बोर्ड आफ एक्रेडिएशन के चेयरमैन प्रो. केके अग्रवाल देंगे। शुभारंभ सत्र के मुख्य अतिथि एमआइटीएस बोर्ड के सदस्य प्रशांत मेहता रहेंगे। गेस्ट आफ आनर रमेश अग्रवाल रहेंगे। कान्फ्रेंस के दौरान एमआइटीएस में अध्ययनरत विद्यार्थियों को विशेषज्ञ कोरोना के कारण हुए बदलवों को लेकर विस्तार से चर्चा करेंगे। –**नरि**

पत्रिका PLUS 08 पत्रिका ग्वालियर, श

### एमआइटीएस : कॉन्फ्रेंस में रिव्यू एवं प्रजेंटेशन के लिए चुने गए 68 पेपर

# टेक्नोलॉजी तेजी से बदल रही, 3 साल से ज्यादा लंबी योजना बना पाना संभव नहीं

पत्रिका PLUS रिपोर्टर

**ग्वालियर** तकनीकी इतनी तेजी से बदल रही है कि हम आने वाले तीन वर्षों से ज्यादा लंबी योजना पहले से नहीं बना सकते। आज जो महत्वपूर्ण है, उससे ज्यादा महत्वपूर्ण कल कुछ और हो सकता है। आने वाला समय ड्रोन तकनीकी द्वारा विजय प्राप्त करने का है। यह बात मुख्य अतिथि के रूप में उपस्थित एमआईटीएस के बोर्ड ऑफ गवर्नर के सदस्य प्रशांत मेहता ने इंटरनेशनल कॉन्फ्रेंस में कही। यह कॉन्फ्रेंस एमआइटीएस और एआइसीटीई की संयुक्त तत्वावधान में 'सस्टेनेबल एंड इनोवेटिव सॉल्यूशंस फॉर करंट चैलेंजेस इन इंजीनियरिंग एंड टेक्नोलॉजी' विषय पर आयोजित हुई।

## सस्टेनेबिलिटी और अविष्कार एक दूसरे को प्रेरक हों

**एनबीए** के चेयरमैन डॉ. केके अग्रवाल ने बताया कि सस्टेनेबिलिटी एवं डवलपमेंट एक दूसरे से इस प्रकार जुड़े हैं कि हम अविष्कार के चलते सस्टेनेबिलिटी को एक दूसरे का विरोधाभासी पाते हैं, लेकिन आविष्कार एवं सस्टेनेबिलिटी एक दूसरे के पूरक होने चाहिए। इस कॉन्फ्रेंस में 68 पेपर रिव्यू एवं प्रजेंटेशन के लिए चुने गए।

## रोबोट का मानवजाति से संबंध

**टेक्निकल** सेशन के प्रथम स्पीकर नन्यंग विश्वविद्यालय सिंगापुर के डॉ. पीएन सुगनथन ने न्यूरल नेटवर्क के बारे में जानकारी देते हुए रैंडम वेकर फंक्शनल लिंक न्यूरल नेटवर्क के बारे में बताया। लिवरपूल विश्वविद्यालय यूके की डॉ. अनुराधा राणासिंघे ने रोबोट और मानवजाति के साथ संबंध बताया। उन्होंने नेत्र विहीन लोगों को रोबोट द्वारा मदद करने पर डिस्कशन किया। उन्होंने फिंगर टेक्टिले डिवाइस एवं कॉइन डिटेक्शन पर हुए रिसर्च पर भी चर्चा की।

## 90 परसेंट लक्ष्य कर रहे हासिल

संस्थान के निदेशक डॉ. आरके पंडित ने कहा कि सस्टेनेबल विकास के निर्धारित लक्ष्यों में से संस्थान ने 90 प्रतिशत लक्ष्यों को हासिल किया है। जिसमें एनर्जी, वेस्ट मैनेजमेंट, वॉटर रीसाइकलिंग आदि प्रमुख हैं। इंजीनियर रमेश अग्रवाल ने बताया कि संस्थान के पॉवर लैब की मशीन तत्कालीन महाराज ने जर्मनी एवं इंग्लैंड से मंगवाई थी। उद्घाटन सत्र की शुरुआत कॉन्फ्रेंस की को-ऑर्डिनेटर डॉ..मंजरी पंडित ने की।

# संगोष्ठी में विशेषज्ञों ने रिसर्च पेपर किए प्रेजेंट, विद्यार्थियों ने पूछे प्रश्न

**ग्वालियर (नईदुनिया प्रतिनिधि)।** माधव इंस्टीट्यूट आफ टेक्नोलॉजी एंड साइंस में दो दिवसीय अंतरराष्ट्रीय संगोष्ठी का समापन शनिवार को किया गया। समापन में तकनीकि सत्र रखे गए। जिसमें विभिन्न वक्ताओं ने तकनीकि पर विशेष सुझाव दिए।

समापन सत्र में एनआइटी सूरत से डा. आरवी राव ने रिसर्च एथिक्स के वारे में जानकारी देते हुए कहा कि यह एक ऐसी विधा है जो विद्यार्थियों को रिसर्च के तरीकों के वारे में तो वताती है। वहीं मैक्सिको से डा. कार्लोस कोएलो ने मल्टीऑब्जेक्टिव प्रोब्लेम्स एवं उनके समाधान पर जानकारी दी। आइआइटी दिल्ली के डा. सुमंत्रा दत्ता रॉय ने फजी लर्निंग तथा आर्टिफिशियल न्यूरल नेटवर्क के वारे में जानकारी दी। सेशन को वढ़ाते हुए साउथ एशियन यूनिवर्सिटी नईदिल्ली के डा.जेसी वंसल ने प्रकृति से संवंधित ऑप्टिमाइजेशन तकनीकियों के वारे में वताया, उन्होंने पार्टिक्ल स्वारम इंटेलिजेंस के कई उपयोग वताए। टेक्निकल सेशन के वाद देश-विदेश के रिसर्चर ने अपना पेपर आनलाइन माध्यम से प्रेजेंट किया। आखिरी टेक्निकल सेशन आइआइटी दिल्ली के डा.वीके पानीग्रही ने जेनेटिक अल्गोरिदम एवं उसके कई उपयोगों के वारे में वताया। कांफ्रेंस का समापन कोऑर्डिनेटर डा. मंजरी पंडित व कॉलेज के डायरेक्टर डा.आरके पंडित ने आभार प्रकट करते हुए किया।

# शोध के तरीकों को जानने के लिए पढ़ें रिसर्च एथिक्स

**पत्रिका PLUS रिपोर्टर**

**ग्वालियर** एमआइटीएस में इंटरनेशनल कॉन्फ्रेंस के दूसरे दिन शनिवार को कई स्पीकर ने तकनीकी सुझाव दिए। डॉ. कार्लोस कोएलो मेक्सिको ने मल्टीऑब्जेक्टिव प्रॉब्लम्स एवं उनके समाधानों के बारे के विस्तार रूप से जानकारी दी। डॉ. आरवी राव एनआइटी सूरत ने रिसर्च एथिक्स के बारे में बताया। उन्होंने कहा कि यह एक ऐसी विधा है, जो विद्यार्थियों में रिसर्च के तरीकों के बारे में बताती है। डॉ सुमंत्रा दत्ता रॉय, आइआइटी दिल्ली ने फजी लर्निंग तथा आर्टिफिशियल न्यूरल नेटवर्क के बारे में जानकारी दी। उन्होंने बताया कि हम विभिन्न प्रकार की न्यूरल नेटवर्क से संबंधित एप्लीकेशन में मैटलेब टूल का उपयोग कर सकते हैं। डॉ. जेसी बंसल, साउथ एशियन यूनिवर्सिटी ने प्रकृति से संबंधित ऑप्टिमाइजेशन तकनीकियों के बारे में बताया

**(Dr. Manjaree Pandit)**
**Coordinator**

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