

A
REPORT
ON
TWO INTERACTIVE NATIONAL WORKSHOPS IN
VIRTUAL MODE
ON
TRANSITION FROM TRADITIONAL TO BLENDED
LEARNING CHALLENGES OPPORTUNITIES

23rd and 30th January 2021

Organized By:



Internal Quality Assurance Cell
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
(A Govt. Aided UGC autonomous & NAAC Accredited institute affiliated to RGPV, Bhopal)
Race Course Road, Gola Ka Mandir,
Gwalior, M.P. 474005
Website: www.mitsgwalior.in

In collaboration with



MANAV RACHNA UNIVERSITY
Sector – 43, Delhi–Surajkund Road, Faridabad – 121004, Haryana, India
Website: <https://manavrachna.edu.in/>

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ABOUT THE WORKSHOP

The IQAC MITS in collaboration with Manav Rachana University, Faridabad, Haryana is organising two interactive national workshops in virtual mode on Transition from traditional to blended learning Challenges Opportunities on 23rd and 30th January 2021 Digital learning techniques were slowly finding their way into regular teaching but the COVID 19 pandemic accelerated the process at a breakneck pace.

The shift was so sudden and drastic that the academic community had no time to deliberate or devise an action plan It is also evident that digital tools and techniques, due to their myriad advantages, are now going to be an integral part of learning. The workshops aim to prepare faculty members to accept and adapt to the new practices wholeheartedly and enthusiastically.

IDEA BEHIND THESE INTERACTIVE WORKSHOPS

The idea behind these interactive workshops are as follow:

- (1) To inspire guide the faculty to develop quality e-content.
- (2) To familiarise them with the differences between digital traditional teaching.
- (3) To develop a new mindset so that the faculty is ready to accept the new emerging scenario.
- (4) To create awareness about the changing stakeholder expectations from teachers.

EXPERTS FOR WORKSHOP-I

PROF. R. K. SINGH

Delhi School of Economics, University of Delhi, Faculty of Commerce & Business

Topic: Changing paradigm of the teaching-learning process

Time: 11.00 AM

PROF. I.K. BHATT

Vice-Chancellor, Manav Rachna University, Faridabad, Haryana

Topic: Importance of blended mode of teaching mode process

Time: 12:15 PM

EXPERT FOR WORKSHOP-II

PROF. GEETA THAKUR

Head, Centre for Academic Leadership, Rachana University, Faridabad, Haryana

Topic: Developing e-content: Some important aspects-I & II

Time: 11.00 AM & 12.15 PM

REGISTRATION

The registration is free for these National Workshops

Registration Link: <https://forms.gle/hLsVpfdeyGVZBrVj9>



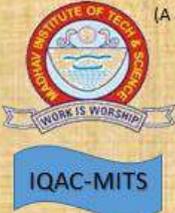
E-certificates has been provided to all the participants whosoever attended the workshop and submitted the feedback.

FLYER

IQAC

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR(M.P.)

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



In collaboration with
Manav Rachna University, Faridabad, Haryana
is organizing
Series of Virtual Workshops
On



Transition from traditional to blended learning: Challenges & opportunities I & II

Workshop-I	23 rd January 2021
Workshop-II	30 th January 2021

About the Workshop

The IQAC-MITS, in collaboration with Manav Rachana University, Faridabad, Haryana is organising a two interactive national workshops in virtual mode on "Transition from traditional to blended learning: Challenges & Opportunities-I & II" on 23rd & 30th January 2021.

Digital learning techniques were slowly finding their way into regular teaching but the COVID-19 pandemic accelerated the process at a break-neck pace. The shift was so sudden and drastic that the academic community had no time to deliberate or devise an action plan. It is also evident that digital tools and techniques, due to their myriad advantages, are now going to be an integral part of learning.

The workshops aim to prepare faculty members to accept and adapt to the new practices wholeheartedly and enthusiastically.

The idea behind this interactive workshop is

- (1) to inspire & guide the faculty to develop quality e-content
- (2) to familiarise them with the differences between digital & traditional teaching
- (3) to develop a new mind set so that the faculty is ready to accept the new & emerging scenario
- (4) to create awareness about the changing stakeholder expectations from teachers.



Experts Workshop-I



Prof. R. K. Singh
Delhi School of Economics, University of Delhi Faculty of Commerce & Business,
Topic: Changing paradigm of the teaching learning process
Time: 11.00AM



Prof. I.K. Bhatt
Vice Chancellor, Manav Rachana University, Faridabad, Haryana
Topic: Importance of Blended mode of Teaching Learning Process
Time: 12.15 AM

Experts Workshop-II



Prof. Geeta Thakur
Head, Centre for Academic Leadership
Professor, Education
Manav Rachana University, Faridabad, Haryana
Topic: Developing e-content: Some important aspects-I & II
Time: 11.00 AM & 12.15 AM

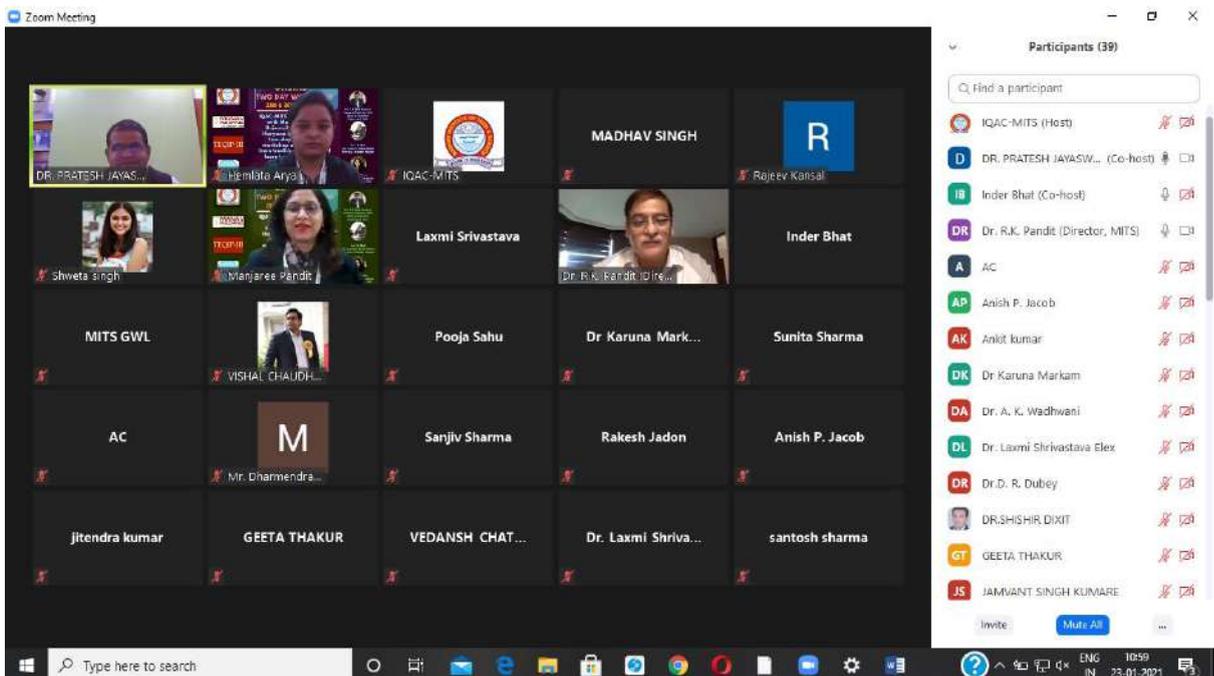
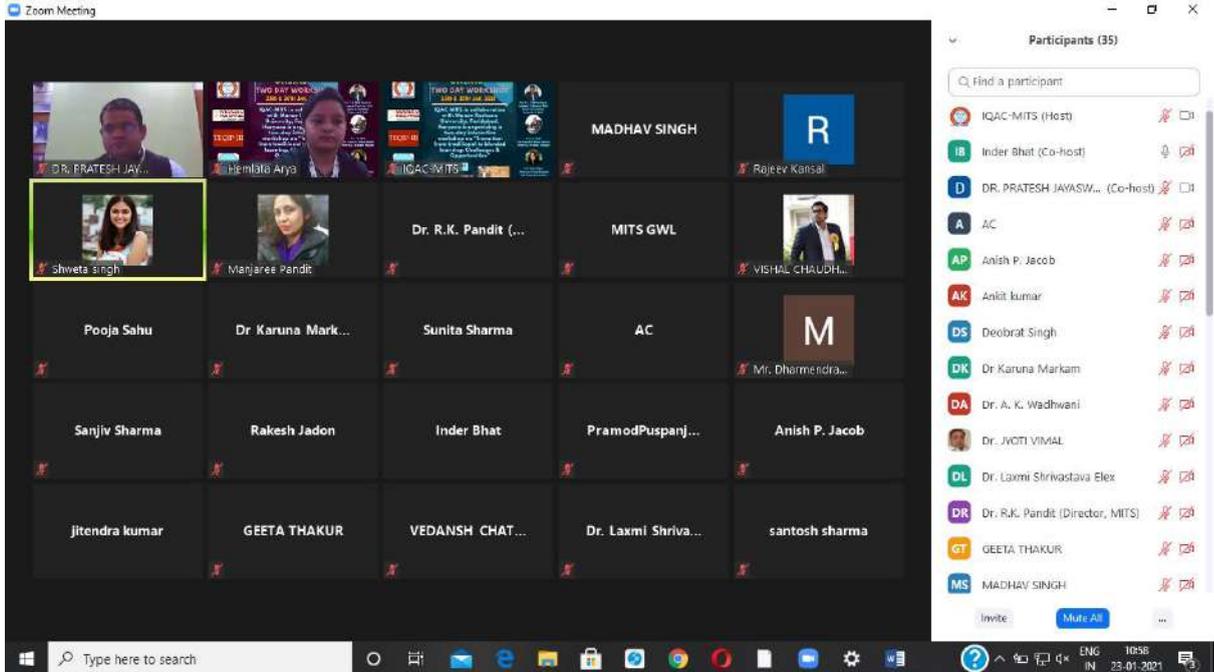
Registration Link: <https://forms.gle/hLSVpfdeyGVZBrVj9>

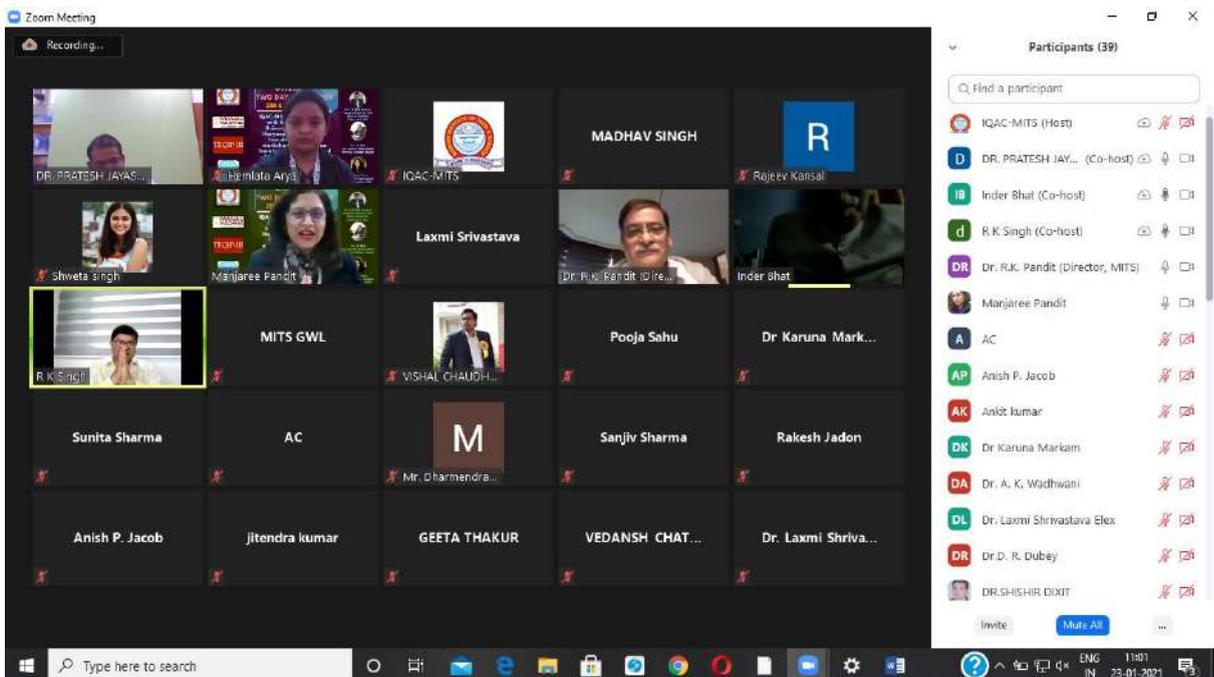
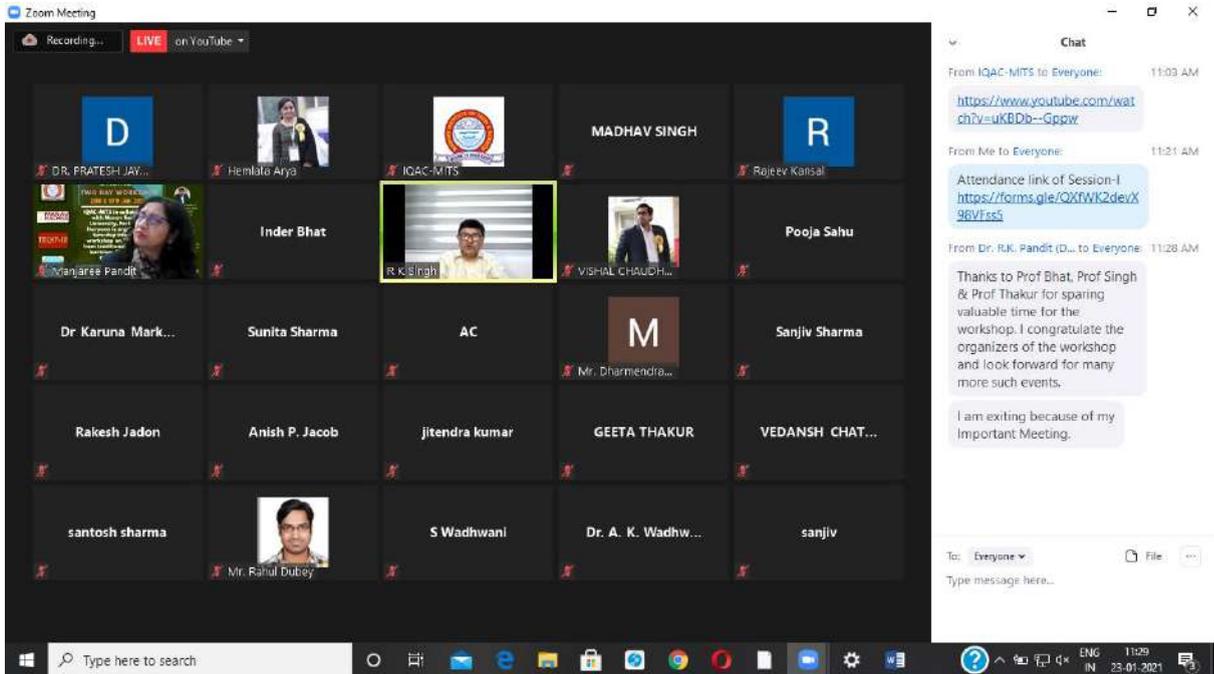
Registration is Free

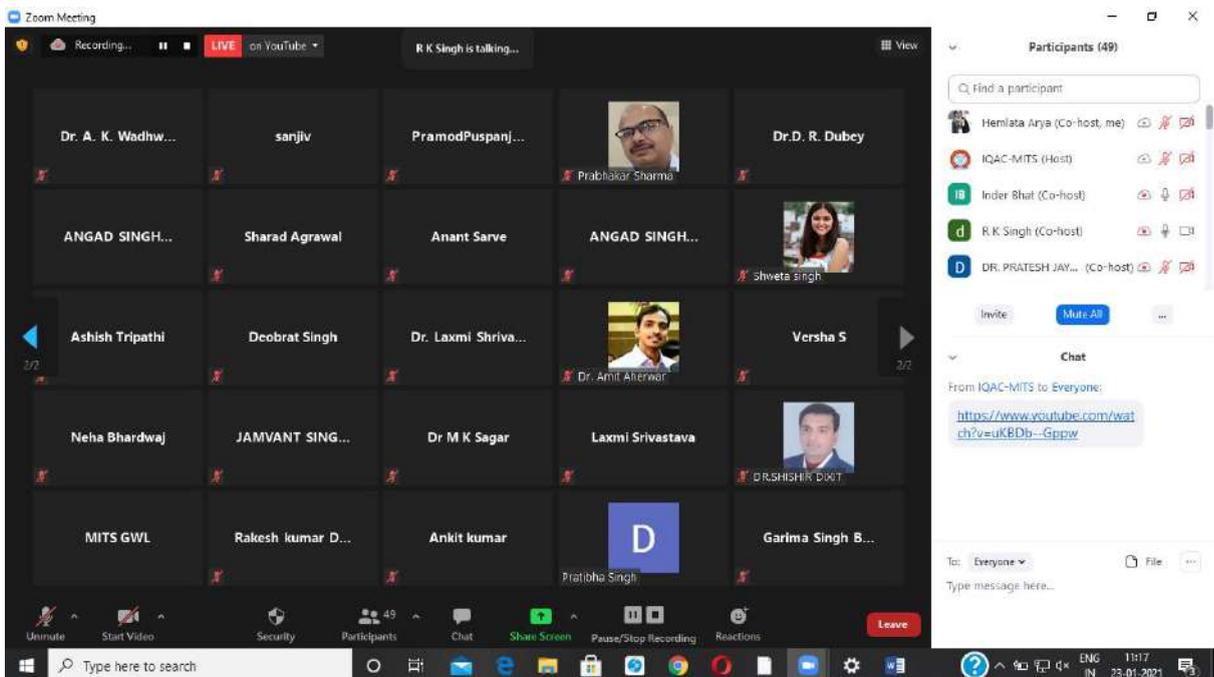
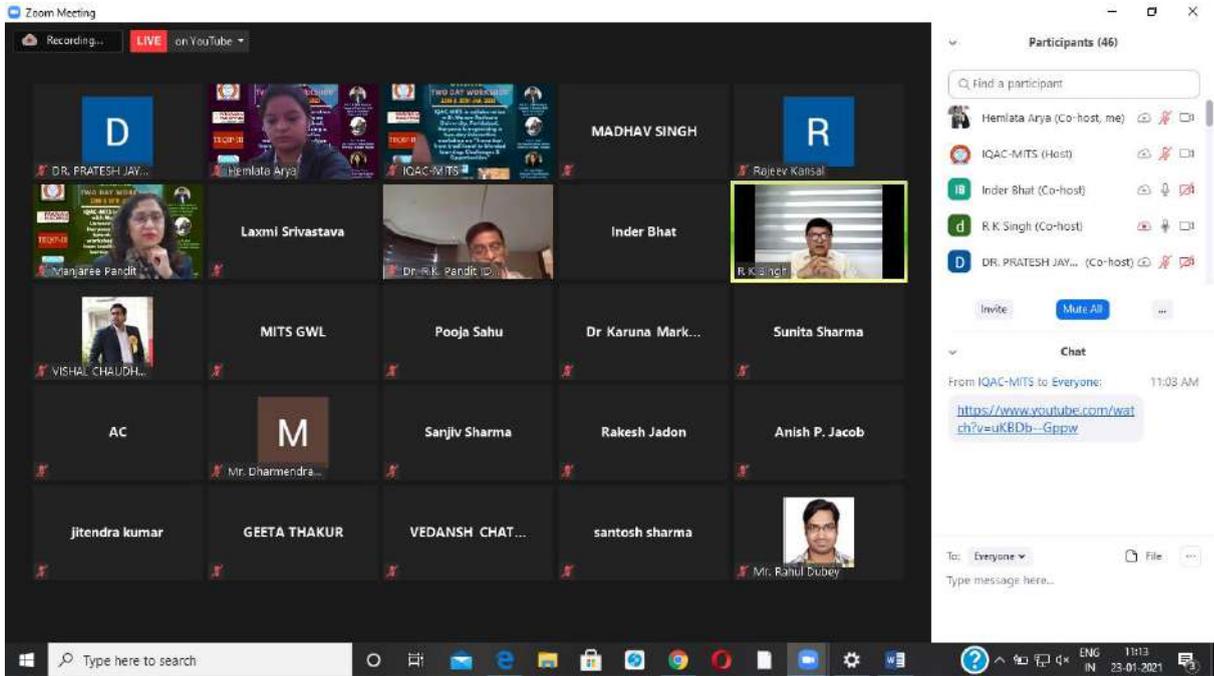
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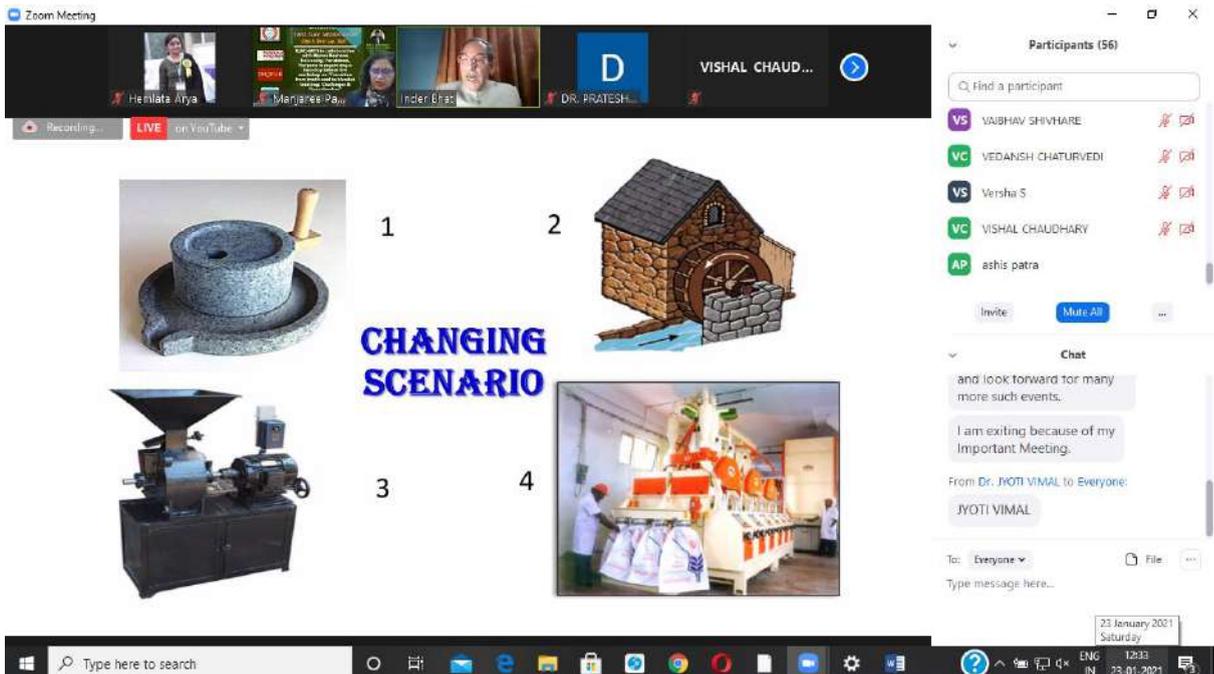
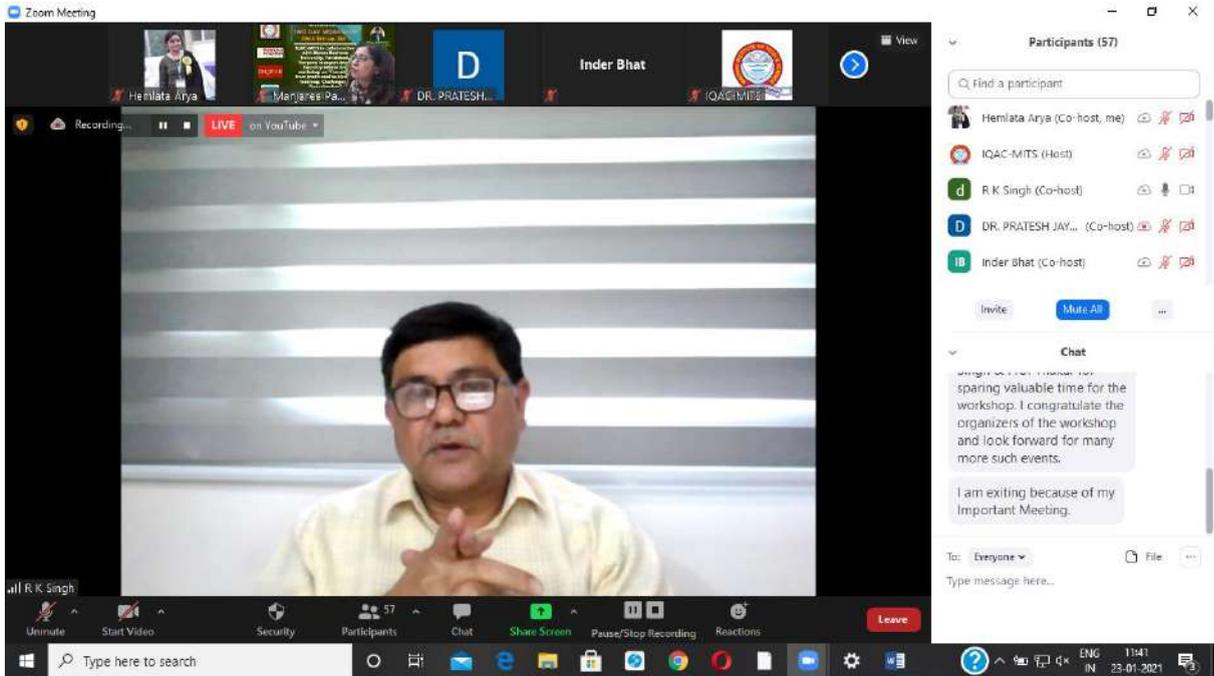


GLIMPSES









Skill Categories (P21)

Learning and innovation skills:

- [critical thinking and](#)
- [problem solving,](#)
- [communications and collaboration,](#)
- [creativity and Innovation](#)

Participants (57)

Initials	Name	Mute	Video
VS	VAISHAV SHIVHARE	[Mute]	[Video]
VC	VEDANSH CHATURVEDI	[Mute]	[Video]
VS	Versha S	[Mute]	[Video]
VC	VISHAL CHAUDHARY	[Mute]	[Video]
AP	ashis patra	[Mute]	[Video]

Chat

and look forward for many more such events.

I am exiting because of my Important Meeting.

From Dr. JYOTI VIMAL to Everyone:

JYOTI VIMAL

To: Everyone [File]

Type message here...

Need of Education

Education must keep pace with the world in training students to have safe futures.

- Ensures, teaching Learning experience is **similar to the working experience**, through the **use of technologies and tools that are endemic to Academics and Useful to Industry.**

Zoom Meeting | You are viewing Inder Bhat's screen | View Options

Recording... LIVE on YouTube

Unmute Start Video Security Participants Chat Share Screen Pause/Stop Recording Reactions Leave

Type here to search

ENG IN 12:52 23-01-2021

Education – 4.0

- Lecturing & Memorization 1
- Internet Enabled Learning 2
- Knowledge Producing Learning 3

Innovation Based Learning Education 4.0

Disadvantages

- Needs lot of planning before executing
- It has a strong dependence on the technical resources or tools. To have a meaningful impact these tools need to be
 - reliable,
 - easy to use, and
 - up to date.
- **IT literacy** can serve as a significant barrier
- Group work can be a challenging task due to difficulties with management in an online setting.
- Use of **lecture recording** technologies can result in students falling behind on the materials.
- Another critical issue is access to network infrastructure.

Recording... LIVE on YouTube

FOR TEACHERS

- Teaching is **less expensive** to deliver, **more affordable** and **saves time**;
- Blended learning offers flexibility in terms of availability – **Anywhere, Anytime, Anywhere**;
- **Access to global resources** and materials that meet the students' **knowledge and interest**;
- **Self-pacing** for slow or quick learners reduces stress, **increases satisfaction** and **information retention**;
- E-learning allows more **affective interactions** between the learners and their instructors through the use of emails, discussion boards and virtual classrooms;
- Students have the **ability to track their progress**;
- Students can also learn through a variety of activities that apply to **different learning styles**;
- E-learning could **improve the quality of teaching and learning** as it supports the face-to-face teaching approaches; and



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Why Blended Learning?

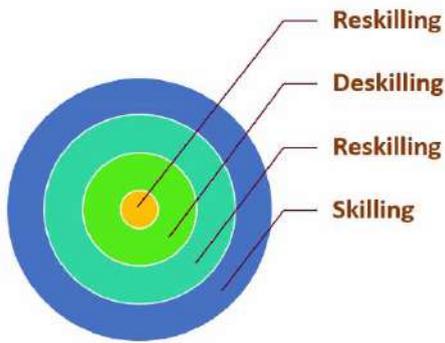
1. Accounting for Everyone
2. Learning Trends and Feedback
3. Lower Costs
4. Fun and Engagement
5. Reach and Personalization



100

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Requirement



Issues/Challenges

- Learning to work on digital platforms
- Credit Transfer
- Developing Quality
- Focus on Student Learning



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Technology is a gift of God
Accept it.



Zoom Meeting You are viewing Inder Bhat's screen View Options

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21st century literacies

Skills students will need for the society in which they will work", including:

- strong communication and collaboration skills,
- expertise in technology,
- innovative and creative thinking skills, and
- an ability to solve problems".

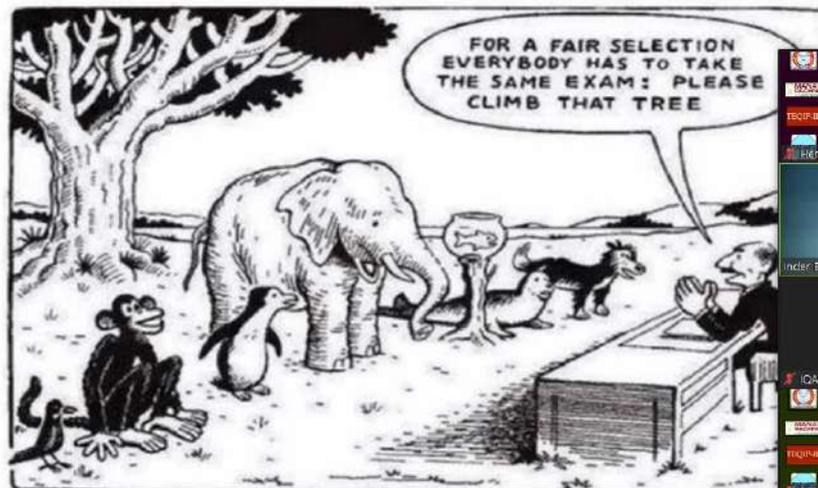
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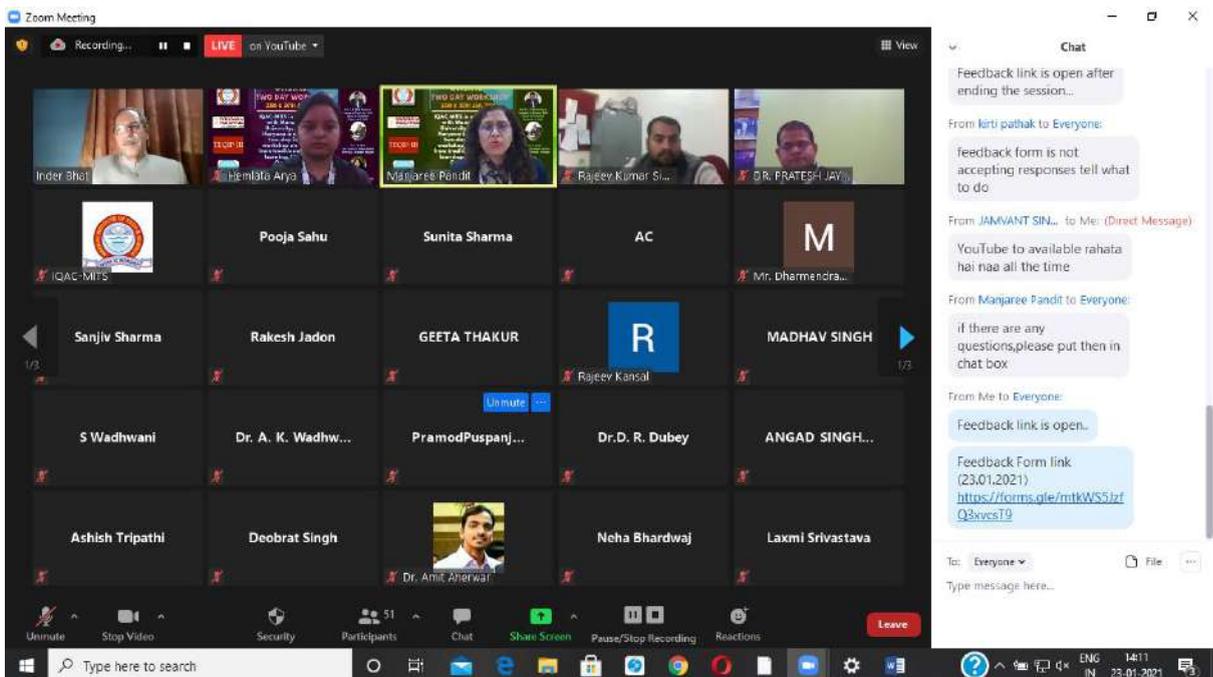
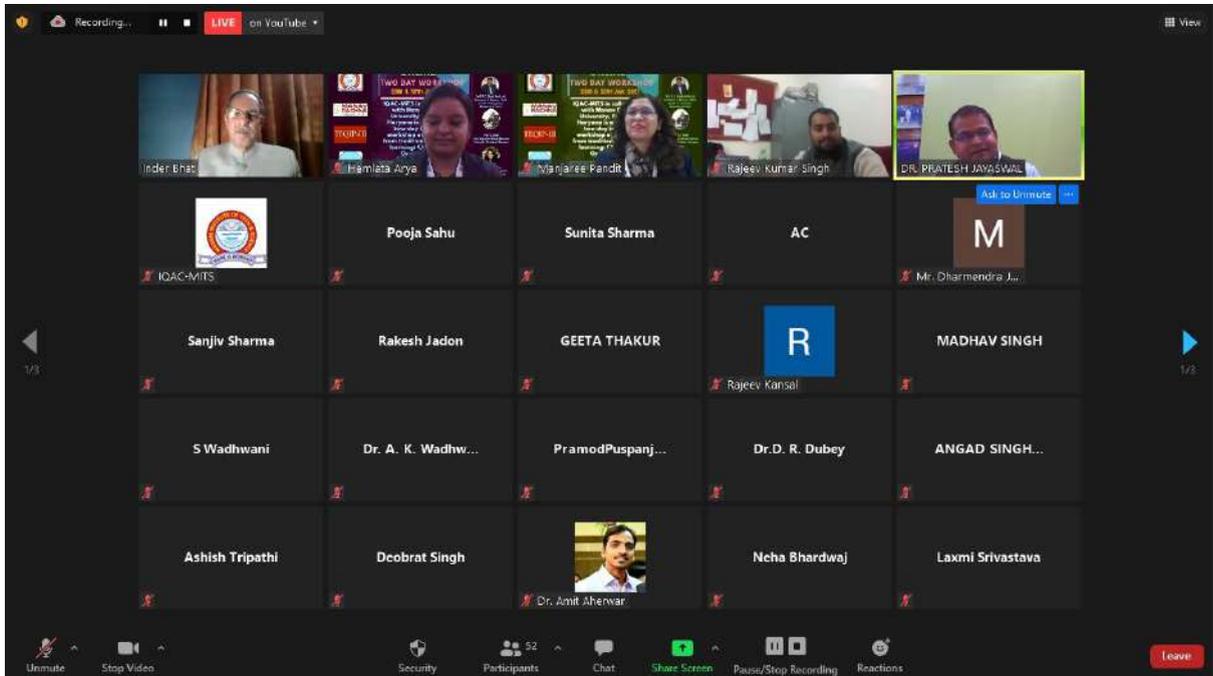
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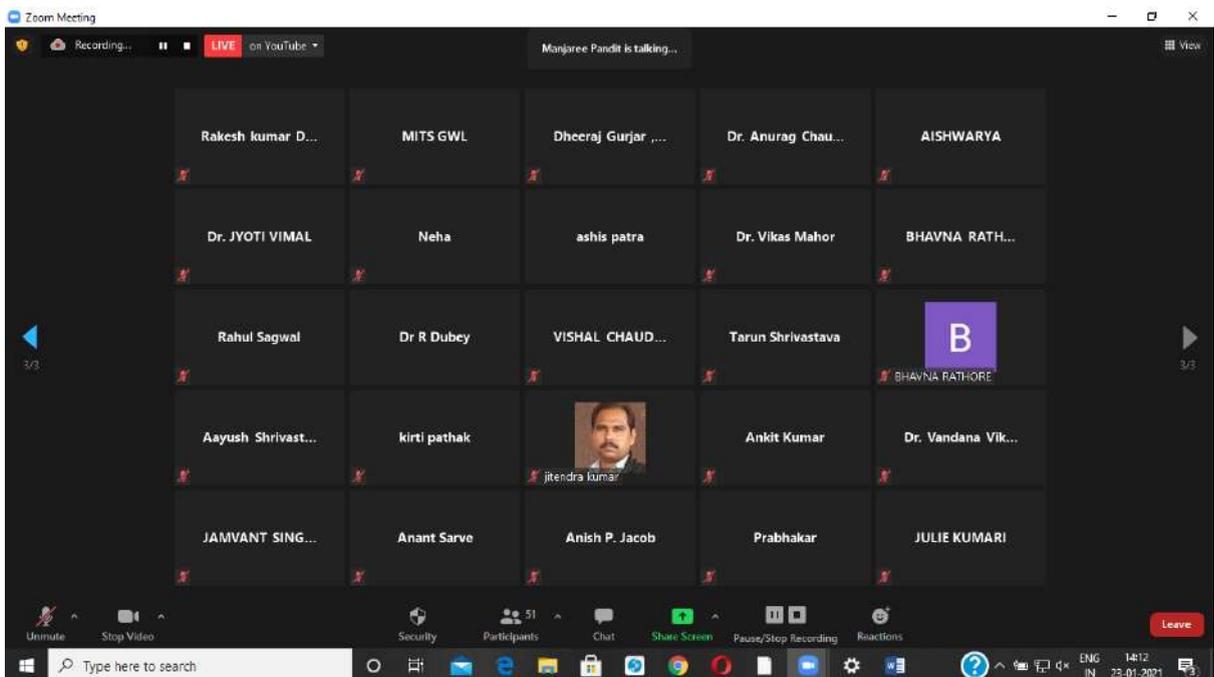
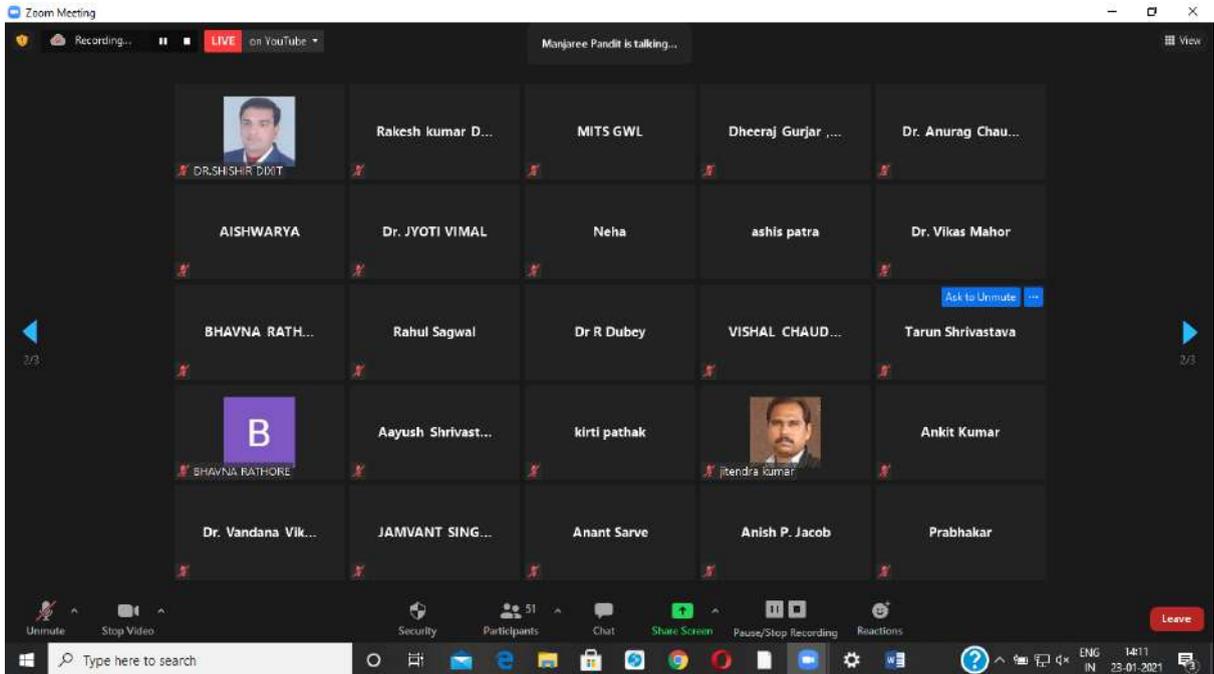
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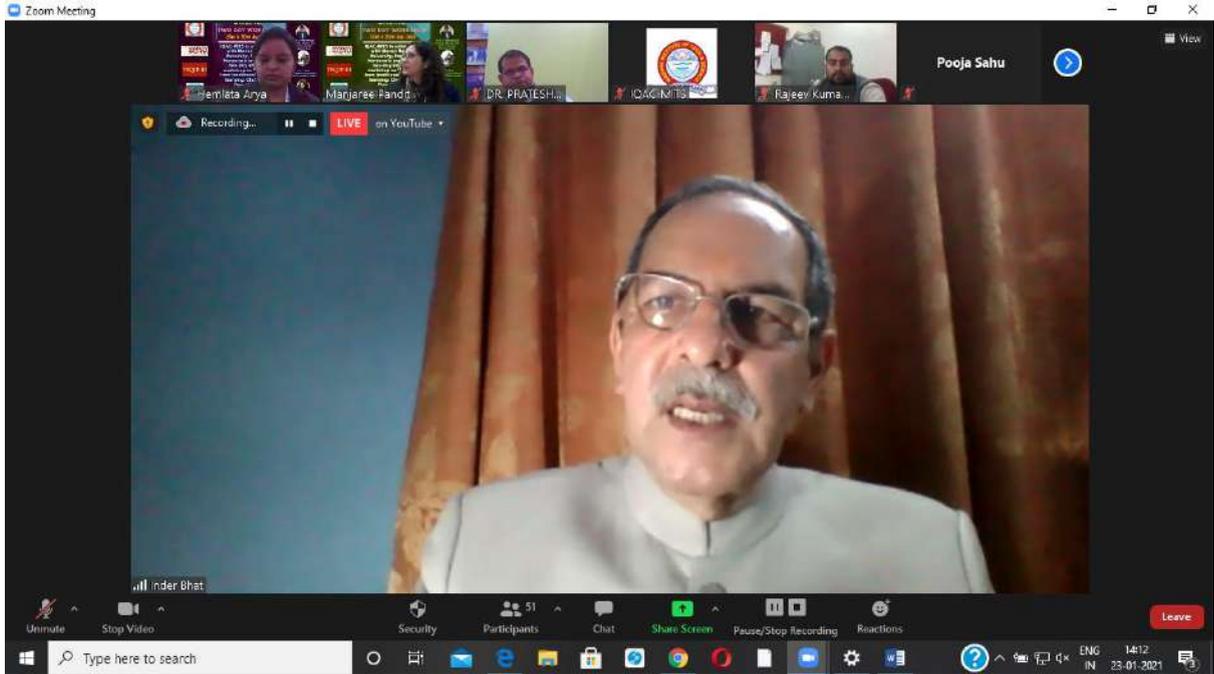
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Our Education System







WORKSHOP-I FEEDBACK REPORT (23- JANUARY-2021)

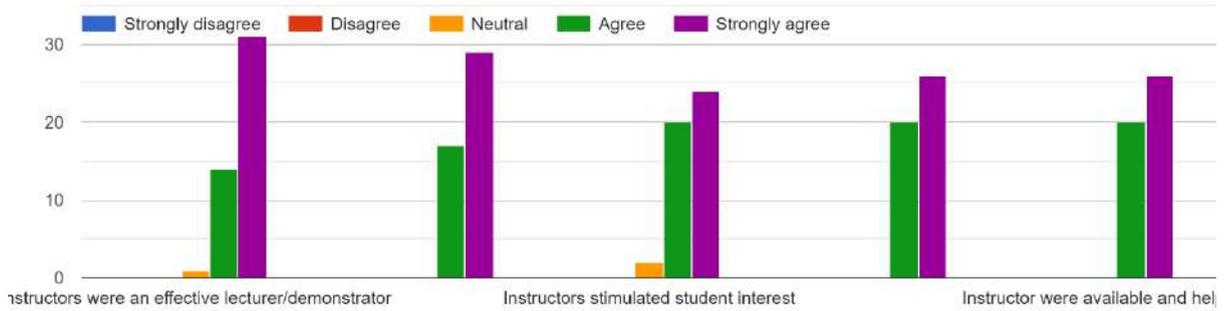
Level of effort



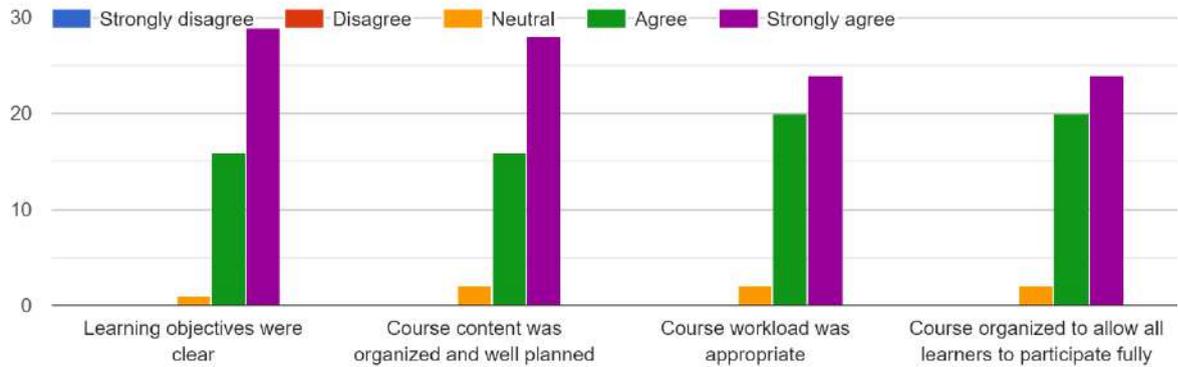
Contribution to learning



Skill and responsiveness of the instructors

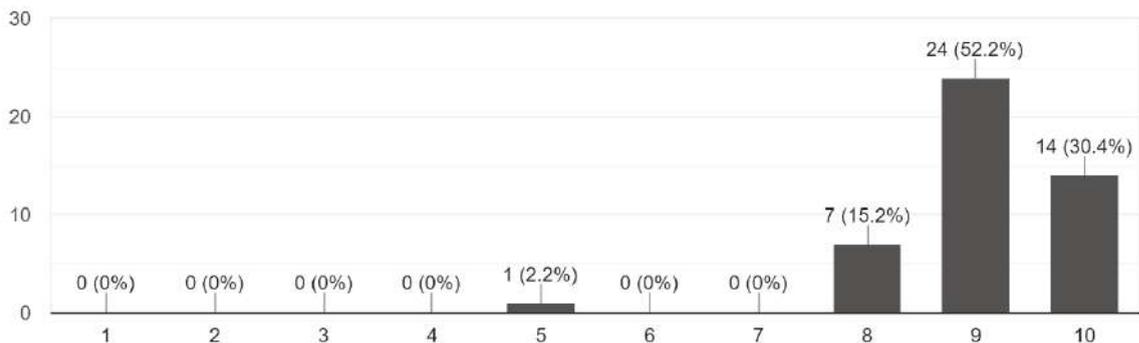


Course content



What is your overall rating about the workshop?

46 responses



What aspects of this workshop were most useful or valuable? 46 responses

Blended Learning

presentation skill

Different types of learning in present era and future prospective

very useful

dicussion of the advantages and disadvantages of online learning

the practical application learning

Blended learning and future perspectives

Presentation clearly shows that how this online teaching learning method helps us to improve the quality of education. It shows that we should ho for quality education instead of quantity or only one way communication/instructions.

OBE

Blended learning in present scenario

The change in perspective and blended learning

No thanks

Opportunities of blended learning

All

Valuable

share of information

Good Teaching methodology

presentation

PRACTICAL LAB WORK

Student and faculty issue in blended learning

Being a Teacher we need to Explore our knowledge and provide best content to the student and continuously assessment for the same.

useful

The reaffirmation of the idea that change is inevitable and survival of the fittest.

Scope of blended learning

Correlation of present scenario with academics using blended teaching

online and traditional teaching perspectives

The merits of blended learning

Opportunities in Blended learning

New challenges

The information to follow a blended approach in teaching

How the blending on online and offline classes will be a great transition for all

Blended learning

Combination of online and face to face learning.

Teaching Learning Process

Learning methodology in blended learning was useful and overall it was good

LECTURE OF PROF. I.K. BHAT WAS EXCELLENT

Traditional methodology of blended learning

Good Teaching methodology, Interactive classes

Online Way of Teaching & learning

Newer ways of pedagogy that are need of the hour especially in such pandemic times when not just the students, parents or teachers but the whole teaching-learning process needs to be evolved.

This will change the scenario of teaching

LEARN VARIOUS ASPECT ONLINE TEACHING.

Blended learning explanation was very nice

Benefits and challenges of Transition from online to offline classes and

What are the initiatives you would like to take after completion of learning through this online virtual workshop? 46 responses

Blended approach

few initiatives are taken already

Try to improve our methodologies towards learning

implement

blended learning

be more competent

Improvement in my teaching via learning more advanced skills to cope up with the demand.

I will go for the qualitative online teaching learning methods.

Effective teaching and learning

We will implement in the online classes

I will try to inculcate the approach suggested

Yes

Encourage students in online learning methods

Do another

implement

To apply the knowledge gained in this workshop in improving the online teaching.

Few initiatives are already being taken

We will implement this methodology in our classes

effective teaching

implement in teaching and practical with students

I will take care the issue which come in online teaching process

I will change some key points in my teaching method which is to be most required for the students perspective additionally with most interactive session.

I shall involve more examples in my teaching learning process .

Would use more tools.

Would be fruitful for students

Implementation in online class

try to start more interactive sessions in classes

Using more software and tools to effectively explain to students

Help my students in online learning

Transition

Improvement in teaching methods

Improve the quality of online teaching

try to implement Flipped classroom

Try to implement the useful tips in online teaching

I will try to follow up some methods discussed in session

I will use digital tool effectively to deliver my lecture

Fruit full for students for knowledge enhancement

Will implement the strategy of Blended learning in my teaching. Also I will motivate my fellow teachers to implement the same.

We will implement this methodology in our classes.

I will go for more online interaction then just giving one way lecture

I would like to enhance my digital teaching skills

each student interaction

TO BE MORE INTERACTIVE TO STUDENTS

More interactive learning through blended mode

Any suggestions for improvement in the Conduction of this kind of Workshop as suggestion to Institute? (If any)46 responses

No

no

NA

NO

NIL

very well conducted

none

No. It was excellent.

Excellent

No

Well planned and topic was also good.

Excellent workshop. More such type of workshops should be conducted in future.

Very well Organized

all good

No thanks

No.

Very interactive session

No

it was very beneficial. No suggestions

Whatever is explained.. , It must be implemented at least few of us. Which can be done us 1. identify few interested participants 2. Tell them to implement particular concept which was explained in workshop 3. At the end feedback of implementation must be given

More sessions are to be organized

Workshop was excellent , speaker was excellent

N.A.

More such programmes to be organized.

Such workshops should be organized in future as well

No, Thanks.

WORKSHOP-II FEEDBACK REPORT (30- JANUARY-2021)

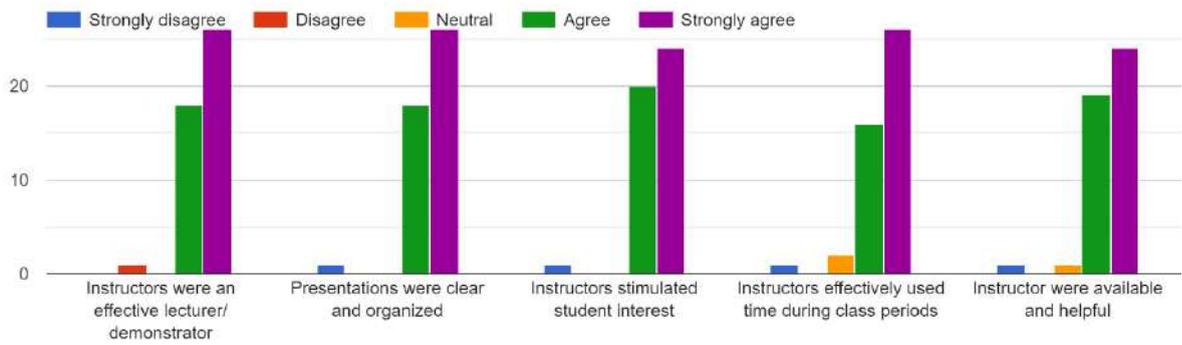
Level of effort



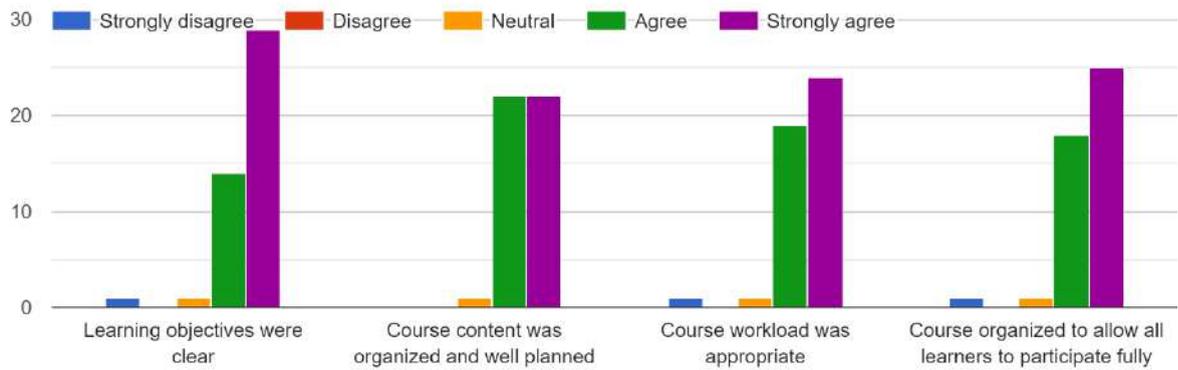
Contribution to learning



Skill and responsiveness of the instructors

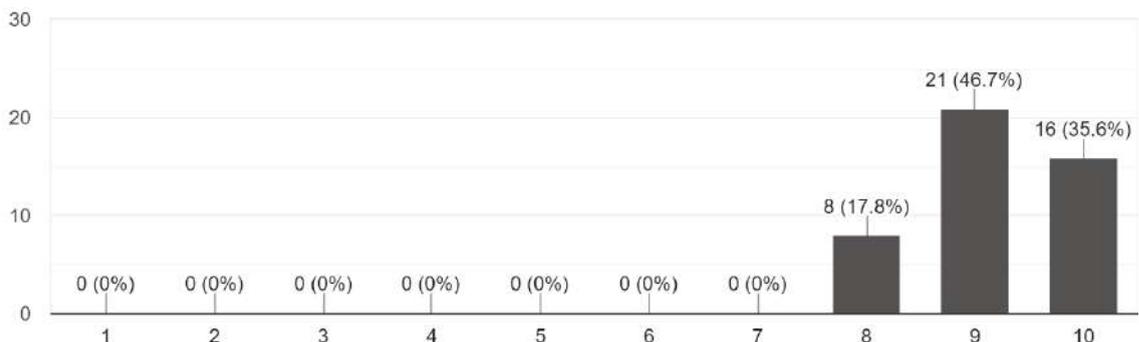


Course content



What is your overall rating about the workshop?

45 responses



What aspects of this workshop were most useful or valuable? 45 responses

Blended learning

Every

all

Tools for Assessment

Everything actually

Instructors were Excellent

Traditional teaching learning can be made more effective with the involvement of some features of online teaching method.

Blended learning, development of e content

Most useful

Blended teaching learning process

Experience and knowledge of speakers.

Bloom's taxonomy

To accommodate the understanding of various types of learning

Learning aspects of various methodology like blended learning online learning which was discussed by respected inder sir and r k sir was excellent.

All

Practical issues related with online teaching were discussed very effectively and interactively.

Valuable

The importance of blended learning and the tools that assist in doing so were very well explained by the learned speakers.

Challenges and advantages of blended learning

challenges and opportunity

Teaching LEARNING

Challenges and Advantages of Blended Learning

Panel Discussion

Implementation of Bloom's Taxonomy in online teaching ways

discussion about the SAMR model

Cognitive teaching mode

All the aspects covered in the workshop are useful. Thankyou for organizing the workshop.

Cognitive learning aspects

Aspects related to the issues and challenges of online teaching

Modes of teaching

development of our own course content

different aspects of blended learning.

Making aware about the online teaching

Every aspect was useful most important was blended learning

For challenging people to withstand anywhere

Flexible schedule and environment

From this workshop was very useful as crisis planning and validating

Yes

Cognitive domain of knowledge transfer
Digital Pedagogy

What you think about this initiatives to conduct this workshop by MITS Gwalior & Manav Rachana University, Faridabad, Haryana is organizing a interactive national workshops in virtual mode on "Transition from traditional to blended learning: Challenges & Opportunities.45 responses

Its a good initiative
very good
Very much required and very well organized
It is a very good initiative it will help to teachers for effective delivery of contents
Great initiative
very informative & useful
Excellent
Very good effort to organize this interactive workshop.
Very Nice Initiatives
It was excellent
Yes
Implement and evaluation during pandemic
Good
--
It was really an excellent workshop
Good initiative
I congratulate the organizers for successful organization of the workshop.
Helpful & Interactive
It is a great initiative.
It is excellent initiative and highly required to motivate the faculties during this pandemic situation
Excellent and very fruitful for all faculties and students during this COVID-19 situations
A Good Initiative
It's outstanding initiative to Transition from traditional to blended learning: Challenges & Opportunities
nice thought
Liked
Very good initiative
very good initiatives
very good initiative
Its perfect initiative
Very informative and ahead of others
Very informative and relevant to the present situation
Very nice Initiative

Helpful

It is a very good initiative.

No Answer

It was a very good initiative , we have learned so many new things

Most useful to Faculty to train well

Blended learning is very useful to me and our Students

The Workshop also addressed the issues of developing better skills of explaining a topic, skill of questioning and also skill of stimulating in different situations in class. The tools to be possessed to become a good teacher include passion to learn, teach, good knowledge of the topic and the use of good pedagogy.

For technical knowledge

This type of event should organize frequently.

Great

Creates more option for online teaching

Nice

What are the initiatives you would like to take after completion of learning through this online virtual workshop? 45 responses

I will go for discussion classroom

Include new technologies for preparation/ delivering online lectures.

Try to integrate approaches taught in or teaching

I will use some Assessment techniques discussed in the workshop

Will combine the features of both online and traditional way of teaching

improve the online teaching learning process

Implement online T L in more effective manner

To use innovative ways of prepare lecture.

New concept of online teaching learning

New techniques, tools and strategies in online teaching; More emphasis will be on the degree knowledge transferred to students taught by me etc.

Implementation of concept of blended learning during lecture delivery

Implement

Make it more interactive

identify the gaps and improve it

Implementation in overall learning

Use knowledge for self improvement

I'd try to improve my teaching to make it more effective.

Blended Learning

The need for us as educators to adapt to new teaching learning initiatives have clearly been emphasized upon; will add more interactive sessions and turn online teaching into blended teaching.

I will guide the students to learn from MOOCs and NPTEL courses also

I will guide the students to attend these kind of workshop and try to learn through MOOCs also. interactive classes

Students will be motivated to online courses.

adopting many things

I have prepared virtual Lab at <https://www.hitslab.in/> and think to equip more and more so that it can be utilized by learners.

Try to improve the interaction of students in online class

I wants now that classes should be face-to-face, so that we can understand the students better by observing them in classroom.

Face to face communication so we can observe them better and enhance their learning outcomes use of Animation for making online teaching interactive

Using various methods of teaching as per nirf, etc.

Will apply in practice and will share this with others

Blended learning mode

Tyring to develop more interactive sessoins

online learning

No answer

Engagement of Students during the class through various methods

To update for new technologies to achieve the recent trends

More beneficial to me and our students

All these tools follow must in our online classes.

Practical

Blended and Cognitive approach

Digital Teaching

Interactive teaching

Will follow



Coordinator
Dr. Manjaree Pandit
Dean Academics



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>

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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

DR. MANJAREE PANDIT

DEAN ACADEMICS & PROFESSOR

DEPARTMENT OF ELECTRICAL ENGINEERING

MITS, GWALIOR - 474005

ORGANIZED BY

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

(Partially Supported under TEQIP-III, In Collaboration with Delhi Technological University, Delhi)
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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



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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.



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- 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.



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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 **Prof. 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.



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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



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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.



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CALL FOR PAPER



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

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**

Sponsored by AICTE & TEQIP-III

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.



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→ 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



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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, art, 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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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

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Dr. Pratesh Jayaswal & Dr. Vijay Bhuria

ICSISCET-2020

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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.



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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, 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, recycling 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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34. Ashutosh Chincholikar, Smart Controls India Ltd (Member Zeppelin Group), India.
35. Dr. K.V. Arya, ABV-IIITM, Gwalior, India
36. Dr. Rajesh Kumar, Malaviya National Institute of Technology Jaipur, India
37. Dr. Aditya Trivedi, ABV-IIITM, Gwalior, India
38. Dr. H. M. Suryawanshi., VNIT, Nagpur, India
39. Dr. P.K. Singh, ABV-IIITM, Gwalior, India
40. Dr. Manohar Singh, Central Power Research Institute, Bengaluru, India
41. Dr. M.M Tripathi, Delhi Technological University (DTU), Delhi
42. Dr. Majid Jameel, Jamia Millia Islamia, New Delhi, India
43. Dr. Surekha Bhanot, BITS, Pilani, India
44. Dr. R. N. Sharma, NIT, Hamirpur, India

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3. Dr. Pushpendra Singh, Delhi Technological University (DTU), Delhi
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6. Dr. Rolf Crook, University of Leeds, U.K.
7. Dr. Sudhir Singh Bhadoria, RGPV, Bhopal, India
8. Dr. A.K. Wadhvani, MITS, Gwalior, India
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30. Dr. Anmol Ratan Saxena, NIT Delhi, New-Delhi, India
31. Dr. Himmat Singh Ahirwar, MITS, Gwalior, India
32. Dr. Adikanda Parida, Regional Institute of Science and Technology, Nirjuli, Arunachal Pradesh, India
33. Dr. Sulochana Wadhvani, MITS, Gwalior, India
34. Dr. D. K.Saini, University of Petroleum & Energy Studies, Dehradun, India
35. Dr. R. Kansal, MITS, Gwalior, India
36. Dr. Arvind Jain, NIT, Agartala, India
37. Dr. R.K. Gupta, MITS, Gwalior, India
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41. Dr. M. K. Trivedi, MITS, Gwalior, India
42. Dr. Manoj Gaur, MITS, Gwalior, India
43. Dr. Nitin Mallik, The NorthCap University, Gurgaon, India
44. Dr. Taruna Jain, Barkatullah University, Bhopal, India
45. Dr. Laxmi Shrivastav, MITS, Gwalior, India
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LIST OF INVITED SPEAKERS

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



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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 Chairman, National Board of Accreditation, New Delhi, India
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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 Nanyang Technological University, Singapore
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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	



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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	Nanyang University, Singapore	
Technical Session-II	Dr. Anuradha Ranasinghe	Liverpool Hope University, United Kingdom	
Technical Session-III	Dr. Swagatam Das	Indian Statistical Institute, Kolkata, West Bengal, India	
DAY-2 [19.12.2020] - Saturday			
Technical Session-IV	Dr. Carlos A. Coello Coello	CINVESTAV-IPN, Mexico	
Technical Session-V	Dr. R.V. Rao	Academic Ethics	NIT, Surat, Gujrat, India
Technical Session-VI	Dr. Sumantra Dutta Roy	Intelligent Image Processing	IIT, Delhi, India
Technical Session-VII	Dr. J.C. Bansal	Nature Inspired Optimization	South Asian University, New Delhi, India
Technical Session-VIII	Dr. B. K. Panigrahi	IIT, Delhi, India	



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Details of Paper Presentation Session – I

Paper Presentation Session - I : 18.12.2020				Indian Time
Session Chair: Dr. Harish Sharma, RTU, Kota, India Session Chair: Dr. R.S. Jadon, MITS, Gwalior, India Session Chair: Dr. Sulochana Wadhvani, MITS, Gwalior, India SESSION TEAM: Ms. Rishika Shah, Mr. Pushpendra Singh				
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	12:00 Noon - 02:30 PM
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	



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Details of Paper Presentation Session – II

Paper Presentation Session - II : 18.12.2020				Indian Time
<p align="center">Session Chair: Dr. Pradyumn Chaturvedi, VNIT, Nagpur, India Session Chair: Dr. Chandra Shekhar Malvi, MITS, Gwalior, India Session Chair: Dr. Amit Aherwar, MITS, Gwalior, India SESSION TEAM: Ms. Rajni Mourya, Mr. Vikas Thakur</p>				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	



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Details of Paper Presentation Session – III

Paper Presentation Session - III : 18.12.2020				Indian Time
Session Chair: Dr. Anmol Ratan Saxena, NIT, Delhi Session Chair: Dr. Pratesh Jayaswal, MITS, Gwalior, India Session Chair: Dr. Akhilesh Tiwari, MITS, Gwalior, India 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	



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Details of Paper Presentation Session – IV

Paper Presentation Session - IV : 19.12.2020				Indian Time
Session Chair: Dr. Arvind Jain, NIT, Agartala Session Chair: Dr. Manoj Kumar Trivedi, MITS, Gwalior, India Session Chair: Dr. A. K. Wadhvani, MITS, Gwalior, India SESSION TEAM: Mr. Kamal Sharma, Mr. Shubham Chitransh				11:30-01:45 PM
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	
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	



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Details of Paper Presentation Session – V

Paper Presentation Session - V : 19.12.2020				Indian Time
<p>Session Chair: Dr. Ravi Shankar, NIT, Patna Session Chair: Dr. Manish Dixit, MITS, Gwalior, India Session Chair: Dr. Manoj Gaur, MITS, Gwalior, India SESSION TEAM: Ms. Priyanka Gupta, Ms. Shradha Dubey, Mr. Vinay Kumar Tatikayala</p>				
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	
				01:45 - 04:00 PM



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Details of Paper Presentation Session – VI

Paper Presentation Session - VI : 19.12.2020				Indian Time
<p>Session Chair: Dr. Jawar Singh, IIT, Patna Session Chair: Dr. Nitin Mallik, The NorthCap University, Gurgaon, India Session Chair: Dr. P. K. Singhal, MITS, Gwalior, India Session Chair: Dr. Vijay Bhuria, MITS, Gwalior, India SESSION TEAM: Prof. Nupur Verma, Ms. Aditi Tiwari, Mr. Vimal Tiwari</p>				
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	Samridhhi 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	
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	
				01:45 - 04:00 PM



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23. **Mr. Praveen Bansal, MITS, Gwalior, India**



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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**
Dr. Nitin Mallik, The NorthCap University, Gurgaon, India

INTERNAL SESSION CHAIR

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



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SESSION CONDUCTION TEAM MEMBERS

1. Ms. Rishika Shah
2. Mr. Pushendra 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



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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 reports & 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.



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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.



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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



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REPORT: SESSION - I



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Attendance of Paper Presentation Session – I

Paper Presentation Session - I : 18.12.2020					Indian Time
Session Chair: Dr. Harish Sharma, RTU, Kota, India Session Chair: Dr. R.S. Jadon, MITS, Gwalior, India Session Chair: Dr. Sulochana Wadhvani, MITS, Gwalior, India SESSION TEAM: Ms. Rishika Shah, Mr. Pushendra 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

Rishika
18/12/2020





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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	<ol style="list-style-type: none"> 1. All References should be properly written, see reference 19. 2. All equations must be written properly, see section 2. 3. All citations must be continuous. Ref 1 and ref 2 are not cited in the very first paragraph. 4. Paper is not according to Springer guidelines. 5. Literature survey must be continuous, see section 2 (Related work). 6. Preliminaries section should be concise with respect to the work done. 7. What was concluded in this paper is to be written in two lines and added to the abstract. 8. Improve the Fig. 1 and 2 quality. 9. At page 3, the graph should be included with captions and proper citations. 10. Improve dpi for Fig. 3. 11. The results and discussion should be elaborated. 	<p>The author was asked to extend the work based on empirical findings.</p> <p>The author was actively involved in answering the queries of session chair.</p>


 Rishika Shuk
 Pushpendra Singh
 Name
 Signature



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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	<p>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"</p> <p>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.</p> <p>3. It will be useful if author can provide the thermal modelling for heat transfer.</p> <p>4. The algorithm used for the temperature control is may be written in the form of pseudo code, use standard formatting for it.</p> <p>5. It is better to remove 1,2 and 3 from table no 1, as Low, Medium and High is self explanatory.</p> <p>6. Follow standard guidelines of springer for writing the references and add some latest references.</p>	<p>Contributions were asked by session chair to which author replied satisfactorily. very only NodeMCU was used author replied that due to prior experience this was chosen</p>

Rishika Shah
Pushendra Singh
Name
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	<p>1. Formatting is paper is absent as per template.</p> <p>2. Figures are not clear. Needs improvements.</p> <p>3. Problem formulation for the objective function carried out in the manuscript is missing.</p> <p>4. formatting of paper is not proper</p> <p>5. Correct all table and fig carefully in symmetrical manner</p> <p>6. Rewrite whole paper, especially abstract and conclusion in short and informative manner</p> <p>7. use standard formatting for the citation</p> <p>8. refer standard paper to write proposed algorithm</p>	<p>Session chair appreciated the work.</p> <p>Application of proposed strategy was asked to which author responded.</p> <p>Suggestions were made by Dr. Shama on practical application.</p> <p>Newer contribution were asked.</p>

Richika Shukla
Rupendra Singh
Name
Signature





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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	<ol style="list-style-type: none"> All Eqs fig and table must be numbered properly in ascending order. Citation of paper is not proper , it needs formatting Selection of parameter for analysis is not clear It is suggest to rewrite Abstract and conclusion in compressed and informative manner Paper is not as per Springer guideline, whole paper requires proper formatting 	<p>Contributions were asked by session Chair, author was able to reply satisfactorily.</p> <p>Online projects were discussed.</p> <p align="right">  Rishika Shah  Pushpendra Singh Name Signature </p>





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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	<p>Dr. Sharma asked that why meta-heuristic algorithm is better than standard algorithm. & the author has answered this satisfactorily.</p> <p>One participant asked the question that what is the population base for the selection of hybrid algorithm?</p> <p>The queries are answered by author satisfactorily.</p>

Rishika Shah
Pushpendra Singh
Name
Signature





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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	<ol style="list-style-type: none"> 1. use only time new roman thoroughly in paper 2. eq (9) seems to be incomplete, please elaborate it for clear explanation 3. add and cite some latest reference 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 5. The equation numbering must be continuous see for example equation after equation (9). 6. Check the notations consistency throughout the paper for example the instrumental variable vector notation. 7. add some latest references in the paper. 8. The parameter $n, a^{(v)}$ 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. 9. Is the parameter lambda is same for optimization problems (8) and (9). 10. Introduction of the paper can be improved by adding latest literature? 	<p>The following queries are asked by session chair</p> <p>i) what is the domain from where he had picked the data set?</p> <p>ii) whether it is completely empirical model?</p> <p>iii) Author has answered the queries clearly & the session chairs are satisfied with the answers.</p>

Pushendra Singh
Rishika Shah

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	<p>1. Use nomenclature after defining its full form only. (eg. SNR)</p> <p>2. Strictly follow the guideline for the page limit of paper submission (12 Pages).</p> <p>3. Use time new roman for marking the all the axis in the figures and format all figures in symmetrical manner.</p> <p>4. Don't cite the references in the conclusion section.</p> <p>5. A separate Use nomenclature table may be given as so many abbreviations are being used in the paper.</p> <p>6. How wavelet is incorporated for analysis purpose. Make it clear in the paper.</p> <p>7. Use standard formatting for all the tables and figures.</p> <p>8. Rewrite the abstract and conclusion in appropriate way.</p>	<p>The queries asked by session chair & Participants are:</p> <p>(i) why not advanced techniques are used & why not comparison is being done in the paper?</p> <p>(ii) Have you observed the impact of X-ray on cognitive abilities and Psychology of the subjects. The author has answered the queries satisfactorily.</p> <p style="text-align: right;">Pushpendra Singh Rishika Shah</p> <p style="text-align: right;">Signature <i>Rishika</i></p>





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REPORT: SESSION - II



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Attendance of Paper Presentation Session – II

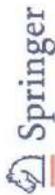
Paper Presentation Session - II : 18.12.2020					Indian Time
Session Chair: Dr. Pradyumn Chaturvedi, VNIT, Nagpur, India Session Chair: Dr. Chandra Shekhar Malvi, MITS, Gwalior, India Session Chair: Dr. Amit Aherwar, MITS, Gwalior, India SESSION TEAM: Ms. Rajni Mourya, Mr. Vikas Thakur					03:00-05:30 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



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Vikas Thakur
Rajni
18/12/20



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	<p>1. Please mention, Why the State of charge (SOC) is considered as 50%? (The SOC can vary between 0% to 100%).</p> <p>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?</p> <p>3. It is mentioned that the proposed methodology is faster. So, Can the settling time be estimated for the proposed PI controller?</p> <p>4. Please specify which PLL is used to generate (wt)</p>	<p>The following queries are asked by session chair's and participants are:</p> <p>(i) For how much power rating the system is designed?</p> <p>(ii) How you implement control technique in hardware?</p> <p>(iii) What you suggest for isolated system?</p> <p>The author has answered all the queries and session chair is satisfied with the answer.</p> <p>Rajni Mourya Vikas Thakur Name Signature</p>



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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. 1. Review the literature of last 3/4 years and include them in references with proper citation with paper content.	<p>Queries are asked by session chair and participants are; Minor queries</p> <p>The author has answered all the queries and session chair is satisfied with the answers</p> <p>Rajni Mourya Vikas Thakur</p> <p>Name Signature</p>

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





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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	MIT, Gwalior, MP, India	<p>1. Abstract should be impressive giving proper justification.</p> <p>2. Where experimental setup has been done, should be mentioned.</p> <p>3. To make paper more effective, if possible compare some reported results.</p> <p>4. There is no discussion about Tomato in the paper. It should be removed from the Keywords.</p> <p>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.</p>	<p>The following queries are asked by session chair's and participants as:-</p> <p>(i) Did you considered ginger colour changing effect.</p> <p>(ii) When ginger is becomes powdered what is called</p> <p>(iii) How to consider the prices of dryers.</p> <p>The author has answered all the queries and session chair is satisfied with the answers.</p> <p>Rajni Mourya Vikas Thakur Name Signature</p>





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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	<p>1. Abstract and conclusion is not concise, please rewrite it.</p> <p>2. the steps use for analysis is not clear, if possible explain it using flowchart</p> <p>3. formulation used for computing the results is missing in the paper, add them and explain them: for better understanding</p> <p>4. add some new standard ref</p> <p>5. The mathematical formulation, and steps associated for calculation energy saving on annual basis is missing here.</p> <p>6. Is any standard BEE guideline for energy saving? Please specify and cite it.</p> <p>7. How the real time data related to energy is measured for calculation purpose , explain it.</p> <p>8. The author has only presented the study, no simulation or any other results were presented.</p> <p>9. the total power consumption in the textile industry must be presented to see how much saving is achieved.</p> <p>10. it will be better if the author can present the complete study using graphs and bar charts.</p> <p>11. the textile unit considered must be explained properly giving total electricity consumption, production, and savings achieved in rs by adopting the suggested method.</p>	<p>The following queries are asked by session chair and participants are:</p> <p>(i) In present case , which type of inverter is used?</p> <p>(ii) How you compared your present study!</p> <p>the author have answered all the queries satisfactorily.</p>
					<p style="text-align: right;">Vikas Kumar Thakur Rajni Mowya Name</p> <p style="text-align: right;"><i>(Signature)</i> Signature</p>



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(Partially Supported under TEQIP-III, In Collaboration with Delhi Technological University, Delhi)
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.)
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Paper ID	Name of Presenter	Paper Title	Affiliation	Comments	Report based on session chair comments/ questions
12	Aniket Anant Rao Nakhate	Internet of things (IoT) Infrastructure for Advance Electric Power Systems	JSPM's Bhivrabai Sawant Institute of Technology & Research, Wagholi, Pune, India	<p>1. In title advance should be replaced with "advanced" spelling mistakes throughout the paper especially in introduction and conclusion</p> <p>2. Bar graph in Figure 1 is blurred.</p> <p>3. Images used in Figure 3 and Figure 4 are blur and low quality (Use high quality images)</p> <p>4. Figure 3 is irrelevant according to the description given.</p> <p>5. Figure 4 is not illustrated properly and is irrelevant because the description of the figure is not apt.</p> <p>6. Subsection 2.2 is not cited properly. If it is an original work, then such information is not mentioned in the paper</p> <p>7. More references should be cited in Section 2.3 and 2.4</p> <p>8. More details about the research topic should be included</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>12. Kindly include IEEE transmission protocols for IoT communication</p> <p>13. The abstract needs refinement.</p>	<p>He is not present during the paper presentation & A Session chair & participants are:</p> <p>(i) What is the significant work of the research?</p> <p>(ii) The proper description of IoT is not shown.</p> <p>(iii) As author have considered all the comment in his paper or not?</p>

Vikas Kumar Thakur
Rajni Mourya

Name
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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	<p>1. Please give the reason on what basis the tilt angles 11, 26, and 41 are selected for solar stills based study?</p> <p>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.</p> <p>3. Please mention why the increase in productivity is higher, 31.95% (when the tilt angle is made 26 from 11) than the productivity, 20.96% (when the tilt angle is made 26 from 41)?</p> <p>4. the productivity is 31.95% higher, when the tilt angle is increased 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). Why the percentage change in productivity is not same, even maintaining the equal percentage change in tilt angle?</p> <p>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?</p> <p>6. Figure 4 is not proper</p> <p>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.</p>	<p>The following queries are asked by session chair & participants:</p> <p>(i) how they have selected the tilt angle?</p> <p>(ii) Have you considered the reflected radiation?</p> <p>The author have answered all the queries satisfactorily.</p>

Vikas Kumar Thakur

Rajni Mourya

Name Signature





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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	MITTS, Gwalior, MP, India	<ol style="list-style-type: none"> the paper is not in a proper format, moreover, the organization of the paper is not good, it must be reorganized for better readability. the author should compare the performance of the proposed method with some existing methods present in the literature. some new references must be added to the manuscript. The manuscript is not formatted as per the springer guidelines. Check fig 10 and redraw it carefully, mention the parameter used in first and second hidden layer strictly reduce the length of manuscript up to the acceptable page limit format all fig in symmetrical manner compare simulation results with other method for its proper validation 	<p>the queries from session chair & participants are:</p> <p>(i) why you have considered ANN for your study?</p> <p>(ii) Dr. Malvi have suggested to conclude the result in better way.</p> <p>(iii) On what date the experimentation is carried out? How you have validated the result?</p> <p>the author have satisfactorily answered the queries.</p> <p>Vikas Kumar Natar</p> <p>Rajni Mourya</p> <p>Name Signature</p>

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





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REPORT: SESSION - III



AICTE Sponsored Second International Conference on
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Attendance of Paper Presentation Session – III

Paper Presentation Session - III : 18.12.2020					Indian Time
<i>Welcome</i>					
Session Chair: Dr. Anmol Ratan Saxena, NIT, Delhi					
Session Chair: Dr. Pratesh Jayaswal, MITS, Gwalior, India					03:00-
Session Chair: Dr. Akhilesh Tiwari, MITS, Gwalior, India					05:30 PM
SESSION TEAM: Mr. Arvind Singh Tomar, Mr. Shubham Sharma					
Paper ID	Name of Presenter	Topic	Affiliation	Contact Number	Attendance
① 97	Ashima Kulshreshta	Game Theoretic Optimization for PV-Battery fed Lighting Systems in DC Homes	NIT, Delhi, India	9540858950	Present
② 49	Rishika Shah	Artificial Neural Networks as a tool for thermal comfort prediction in built environment	MITS, Gwalior, MP, India	9826552626	Present
③ 94	Raghvendra Tiwari	Contingency Analysis of Complex Power System Using Active Power and Voltage Performance Index	MNNIT Allahabad, Prayagraj, UP, India	8588842485	Present
④ 55	Shubhangi Jadon	An Energy-Efficient Mobile Sink based Clustering using Simulated Annealing for Traversing	MITS, Gwalior, MP, India	9425116605	Present
⑤ 54	Abhishek Kumar Jaiswal	Admixtures: The Magical Potion to Concrete	Afcons Infrastructure Limited, Mumbai, India	9968578159	Present
⑥ 96	Vimal Tiwari	Optimal Sizing and Allocation of DG in Distribution System using TLBO	MITS, Gwalior, MP, India	9039659478	Present
⑦ 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





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Paper ID	Name of Presenter	Paper Title	Affiliation	Comments	Report based on session chair's comments/ questions
97	Ashima Kulshreshtha	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 2. Check whole manuscript thoroughly for its typographical error	<p>Questions asked by Session chair's and participants.</p> <p>a) Why only Game Theoretic Optimization is most suitable that you have applied.</p> <p>b) which mode is appropriate out of 3-Modes that you have proposed for Complex situations.</p> <p>Answers were satisfactory given by author.</p>

Shubham Sharma
Arvind Singh Tomar
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	<ol style="list-style-type: none"> 1. Cite the references at appropriate place in the article. 2. Proofread the article to remove the typographical and grammatical errors. 3. The authors should clarify the novelty of the work in the introduction section. 4. Critically review why ANN is better in comparison to other heuristic optimization techniques and fuzzy logic 5. The terms used in the equation no 1 is not properly defined. 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. 7. Check the manuscript thoroughly before submitting. 8. Abstract and conclusion of the manuscript is too long. Rewrite it in concise and informative manner. 	<p>Session chair appreciated the work.</p> <p>Dr. Anmol asked that what are requirement to judge overall thermal comfort.</p> <p>Apart from ANN what can be other techniques.</p> <p>The queries are answered by author satisfactory.</p> <p>Shubham Sharma Arvind Singh Tomar Name</p> <p style="text-align: right;">Signature</p>





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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	<p>1. Check again thoroughly the submitted paper for grammatical mistakes especially the abstract and conclusion section</p> <p>2. add some latest ref to improve quality of paper</p> <p>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</p> <p>4. Referencing is not proper.</p> <p>5. The validation of the work with some other softwares like Power World Simulator etc or reported results is required.</p> <p>6. No recent ref is cited.</p> <p>7. The most of the portion of paper is available in the text books, therefore, to make paper effective proper comparison is required.</p> <p>8. Abstract needs to be clear, please focus on contribution.</p> <p>9. State of the art literature is missing, please include few more references.</p> <p>10. What is new in this paper?</p> <p>11. Are formulas for Voltage performance index and Real power performance index new? or if not, then please cite the proper reference.</p> <p>12. Author will need to include one more IEEE test systems such as IEEE 118-bus.</p>	<p>Different Contingencies that have considered by author is asked by chair member.</p> <p>Conclusion given by author is not satisfactory as far as research is conducted/concerned it commented by Dr. Saxena.</p>
					<p>Shubham Sharma Arvind Singh Tomar</p> <p>Name Signature</p>

Paper Presentation (Session - 3) : 18.12.2020

Session Chair 1: Dr. Anmol Ratan Saxena, NIT Delhi

Session Chair 2: Dr. Prateesh Jayaswal, MITS, Gwalior, India

Session Chair 3: Dr. Akhilesh Tiwari, MITS, Gwalior, India

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





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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	<ol style="list-style-type: none"> 1. Formatting of paper required as per Springer guideline 2. Use math editor for writing eq 3. Quality of fig is not good, needs improvement 4. Proper numbering of subheading is needed in standard ascending manner(ref1. RESEARCH METHODOLOGY) 5. proper problem formulation is needed in section 4.1 6 Paper must Abstract and conclusion need to be re-written 7. Write implantation steps to solve your problem by Simulated Annealing. Do not write its general steps 8. Cite all eq and fig with its proper explanation 9. Use standard format for writing Pseudocode 10. Add and cite new ref and arrange them in standard format to improve quality of paper 	<p><i>Merit and Advantages of Selecting Symmetric nodes and how it is directly related is asked by Session chair and author answered it satisfactorily.</i></p> <p><i>Dr. Arvind asked that will this work also affect the overall band width and this was answered by author.</i></p> <p><i>Shubhay Sharma</i> <i>Arvind Singh Tomar</i></p>

Signature

Name





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.). 2. Paper formatting is very poor. 3. Formulations should be given numbering. 4. There are grammatical mistakes in the paper; however the technical English is quite ok. Please improve it. 5. Paper format is very poor; Prepare the paper in the Springer format. 6. The language of paper is not appropriate for publication. 7. References are not written in proper manner. Even the few references lacks their numbering. 8. Conclusion section is too large, it should be precise and appropriate. 9. Equation should have proper numbering	<p style="text-align: center;"> <i>Analysis of admixtures work is asked by session chair</i> <i>Session chair appreciated the overall work done by author.</i> </p> <p style="text-align: right;"> <i>Arvind Singh Tomar</i> <i>Shubham Sharma</i> Name Signature </p>

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





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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	MITTS, Gwalior, MP, India	1. Check whole manuscript thoroughly for its typographical error	Placement of optional Ds in distribution System was asked by chair members. Answers 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	<p>1. Why with the change in the parameters, the resonant frequency is changing. Kindly elaborate why this is happening by giving the physics.</p> <p>2. Give the experimental setup figure and the fabricated design.</p> <p>3. Formulation used for Power Divider Design & Parametric Analysis are missing in the paper. Its should be included for better understanding</p> <p>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.</p> <p>5. Explain the words VSWR, FR-4, CST Software for better understanding.</p> <p>6. For proper validation of results comparison results with other method is required in manuscript</p>	<p>Session chair appreciated the overall work. Can this work be extended to another types of antennas. What was the motivation behind the selection of this problem was asked by session chair. Answer given by author were satisfactory.</p> <p>Arvind Singh Tomar Shubham Sharma Name</p> <p>Signature</p>





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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 Session Chair: Dr. Manoj Kumar Trivedi, MITS, Gwalior, India Session Chair: Dr. A. K. Wadhvani, MITS, Gwalior, India 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



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Kamal Sharma
19/12/2020
KAMAL SHARMA

Shubham
19/12/2020
SHUBHAM CHITRANSH



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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.	<p>After the presentation, a healthy discussion about Internet of things was done.</p> <p>The Author and Session chairs concluded that the developed e-healthcare System can give trust-worthy decisions about patients. It can be used in Govt. hospitals and no one can misuse it for data processing, several techniques can be used.</p> <p style="text-align: right;">Kamal Sharma Shubham Chitransh</p> <p style="text-align: right;">Kantilal Shubham</p> <p style="text-align: right;">Signature</p>





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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	<p>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....</p> <p>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.</p> <p>3. all equations are hanging, there not numbered at all</p> <p>4. Equation number is missing.</p> <p>5. Pseudo code is in image form, please correct it.</p> <p>6. Cite all references carefully in ascending order but not in random way.</p>	<p>The results, in order to DDoS attacks detection in cloud computing can be done using ANN and imperialistic competitive algorithms.</p> <p>A discussion about on size of data set, down time effect, its method of applications & its sources was done. In Author applied publically available data set and found his model efficient after comparing it with existing models.</p> <p>Kamal Sharma Shubham Chitransh</p>

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. Wadhvani, MITS, Gwalior, India

SESSION TEAM: Mr. Kamal Sharma, Mr. Shubham Chitransh





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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	<ol style="list-style-type: none"> 1. No recent paper has been cited. 2. As far as possible ref. must be presented /cited in the same order in which they are listed in the reference section. 3. In some places author used "table" whereas at another places "Tables". Uniformity must be maintained. 4. Validation/comparison of reported results must be done with published results or with some other methods. 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. 	<p>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.</p> <p>A long discussion about nature of problem i.e. linear or non-linear was done. The author is suggested to compare his model with linear programming.</p> <p style="text-align: right;">Kamal Sharma Shubham Chitransh</p>





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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	<ol style="list-style-type: none"> Rewrite abstract and conclusion and in concise and informative manner fig 1 "deep CNN Clas-" is deep CNN classification. Comparison with other models is not done. rewrite conclusion section carefully Do not write cite reference in conclusion section There are too many grammatical errors which need major corrections 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, How many models of deep learning are used please justify it. (ref. Abstract) Arrange the reference in increasing order. Incomplete word in fig. 1 Use either Fig or Figure in whole manuscripts. Equations are in an image. Use MS word for writing the equations Author has advised to not use the references in conclusion, however ref. 22 and 23 cited in conclusion are not listed in references 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). 	<p>After the presentation, stage of deep learning technique was demonstrated while classifying the malicious webpage. Some issues like as type of filter mechanism, categorizing data sets and parameters of deep learning were resolved on the basis of session chairs. It was concluded that the model can be used in real time phenomenon of malicious webpage classification.</p> <p style="text-align: right;"> Kamal sharma Shubham Chitransh Name Signature </p>





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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	<p>1. Title of the manuscript is not matching with the content presented in the paper</p> <p>2. Whole paper needs formatting up the ref section carefully</p> <p>3. Use standard formatting for manuscript preparation.</p> <p>4. Cite all references with its full information.</p> <p>5. What methodology is adopted for and how Energy Consumption etc. are computed, is not clear.</p>	<p>In results it was concluded that kinetic facades can be used during retrofitting of any structure. This is safe after time of earthquake. Since, this is computerized process. it can be restructured easily. It can also be used in health education sections. It is adjustable mechanism since the function is kinetic so the facades is kinetic.</p> <p>Kamal Sharma Shubham Chitransh</p> <p><i>Kamal Sharma</i> <i>Shubham Chitransh</i></p> <p>Name Signature</p>





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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 Vishwavidya laya, Sagar, MP, India	<p>1. Abbreviation table should be used in the paper.</p> <p>2. The table margins are not selected properly. The overall paper is written in proper way.</p>	<p>In the presented paper, the use of systematic sampling in big data mining was demonstrated in order to approximate partitional clustering model.</p> <p>The proposed study can developed scalable, speedy, time efficient, & multi dimensional data mining methods. Try schedule sampling reduce data volume. Quality & data computing time are important selecting criteria for clustering algorithm.</p> <p>Kamal Sharma Shubham Chitransh</p> <p style="text-align: right;">Kamal Sharma Shubham Chitransh Signature</p>





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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	<p>This paper presents the review of EEG signal processing, analysis and characteristics with respect to human body.</p> <ol style="list-style-type: none"> Line spacing should be uniform see Section (EEG Device and its Characteristics) and section (EEG Test Structure). Reference cited in reference is not in proper format. ref 26, 30 etc are not cited in the paper. Reference citation should be uniform, ref 1 and ref 2 are not cited in the very first paragraph (Introduction). Cite all references carefully in ascending order but not in random way. Formatting is paper is absent as per template. Figures are not clear. Needs improvements. 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. Compare the results with other method existing method for the proper validation of proposed methodology. Rewrite the abstract and conclusion in simple and concise manner. 	<p><i>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 specificity of EEG, the current & voltage value was 0.5 to 100 Hz. & 10 μV to 100 μV resp.</i></p> <p style="text-align: right;"> <i>Kamal Sharma</i> Name <i>Shubham Chitransh</i> Signature <i>Kamal Sharma</i> Name <i>Shubham Chitransh</i> Signature </p>

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. Wadhvani, MITS, Gwalior, India

SESSION TEAM: Mr. Kamal Sharma, Mr. Shubham Chitransh





18-19 December, 2020

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	<p>1. What kind of load and the load conditions are considered in simulation and experiment, are not depicted clearly.</p> <p>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.</p> <p>3. Why Jaya-PID controller as compared to Jaya-PI controller? The authors are advised to compare the response of both the controller.</p> <p>4. All the typos must be removed before final submission.</p> <p>5. Number all eq. in proper manner carefully (ref sec 2.4)</p> <p>6. Where the objective function is used in jaya it is not clearly mentioned in flowchart? (ref Fig 4)</p> <p>7. Add effect of population on objective function and related convergence curve</p>	<p>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.</p> <p style="text-align: right;">Kamal Sharma Name: Shubham Chitransh Signature</p>

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. Wadhvani, MITS, Gwalior, India

SESSION TEAM: Mr. Kamal Sharma, Mr. Shubham Chitransh

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REPORT: SESSION - V



AICTE Sponsored Second International Conference on
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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 Session Chair: Dr. Manish Dixit, MITS, Gwalior, India Session Chair: Dr. Manoj Gaur, MITS, Gwalior, India					01:45 - 04:00 PM
SESSION TEAM: Ms. Priyanka Gupta, Ms. Shradha Dubey, Mr. Vinay Kumar Tatikayala					
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 PMLDC 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



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Priyanka Gupta
Priyanka Gupta

Shradha Dubey
Shradha Dubey

Vinay Kumar Tatikayala
Vinay Kumar Tatikayala



18-19 December, 2020

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	<p>1. Check Title of Paper again, if possible, reduce it length.</p> <p>2. Please specify the optimization method used in the paper or is it a heuristic search then specify it in section 6. 2.0 Please check the sentence structure.</p> <p>3. Please check grammatical sentence.</p> <p>4. Please check of paper for proper formatting according in Springer format.</p> <p>5. Add some latest references.</p> <p>6. Its good paper and written in good manner.</p>	<p>1. from where you have collected data.</p> <p>2. Have you used any experimental data.</p> <p>3. Reactive power loss</p> <p>4. Have you observed any change in the results</p> <p>5. What do you mean by adverse affect</p> <p>Answer by the presenter were satisfactory.</p>

Priyanka Gupta
 Shradha Dubey
 Vinay Kumar Tatikayala
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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 Quality Safety trade-off optimization under constraint duration and cost of construction project	MITs, Gwalior, MP, India	<p>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</p> <p>SESSION TEAM: Ms. Priyanka Gupta, Ms. Sharadha Dubey, Mr. Vinay Kumar Tatikayala</p> <ol style="list-style-type: none"> References are not cited properly in the paper. In the result section, if the authors are comparing results with another methodology, then a comparative table could be more appropriate to highlight superiority. Please improve result section. No need to discuss any methodology in result section. paper must be formatted as per the Springer guidelines. Citation of paper is poor, it is recommended to cite the paper in ascending order only. Don't use roman words for numbering the equations. As PSO is very sensitive to its control parameters, how these parameters are selected in the paper, please specify. 	<p>1. whether you have developed best model or not -</p> <p>2. why you are not using data collected from Gwalior.</p> <p>3. Parameters which will effect global learning.</p> <p>4. Is there any logic behind using PSO.</p>


 Priyanka Gupta
 Sharadha Dubey
 Vinay Kumar Tatikayala
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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	<p>There is no novelty in this paper. Each part of the whole literature has been already published by previous literature.</p> <ol style="list-style-type: none"> SVCs for voltage regulation and its Loss minimization are not new and Grey Wolf Optimizer (GWO) is well illustrated by the many literatures. use springer template for paper preparation. 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. Clearly mention the values of λ_1 and λ_2 considered for simulation purpose. Write Mirjalili et. al in spite of writing "Seyedali Mirjalili, Seyed Mohammed Mirjalili and Andrew Lewis" (ref sec 4) As author has implemented PSO, GWO and EO for solution of above problem, but how the parameters of respective algorithm are selected is not clear. Here justification is required. 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 The manuscript is not formatted as per the springer guidelines. 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. traditional method used for placement of SVC must also be compared to the proposed work to show the superiority of the proposed model. the referencing is not proper in the manuscript it must be corrected. In all the flow charts, variable suffixes should be in subscript. Page 5 after sleeping time... see for punctuation error. 	<p>1- How you are taking loading conditions</p> <p>2- What is the population size considered.</p> <p>3- Is there any logic for the selection of this specific algorithm.</p>

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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	MITTS, Gwalior, MP, India	<p>Authors are requested to incorporate following suggestions:</p> <ol style="list-style-type: none"> In the abstract in the sentence "The objective function has been formulated as constrained minimization of active power loss." For should be removed. 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. Comparison of result shown in table number 2 for reference [2] and [5] are for the same test system or for different one, justify 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. fig 01 Why backward forward sweep method are used for power flow calculation. What are its advantages than the other methods? How authors has selected the number of universes and other control parameter for MVO? 	<p><i>suggested that make a paper for journal.</i></p> <p style="text-align: right;"> <i>Priyanka Gupta</i> <i>Shradha Dubey</i> <i>Vinay Kumar Tatkayala</i> Name Signature </p>





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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	MITTS, Gwalior, MP, India	<p>1. multiple references are not cited in the proper format.</p> <p>2. equation 2 & 11 need to be rewritten</p> <p>3. figure 2 is blurred and illegible to read the flowchart</p> <p>4. clearly mention the low, medium, and high loading condition in the text</p> <p>5. figure 7 and figure 8 has the same caption</p>	<p>1. As it applicable for domestic work.</p> <p>2. You have tested simply or experimentally.</p> <p>3. any prototype model developed by you.</p>

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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	<ol style="list-style-type: none"> 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. The authors mention Section 0 in Page 2 but there is no such section in the manuscript. Kindly give the reference for Figure 1 and Figure 2. The authors have shown the MATLAB simulated results but have not discussed the results. The authors need to explain how they arrived at the parameters values of SSA algorithm in Table 4. The authors have not compared their results with the existing results in the literature 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. 	<p>1. If your results are better than other.</p> <p>2. Why you are choosing salp swarm algorithm.</p>

Priyanka Gupta
 Shikha Dubey
 Vinay Kumar Tatikayala
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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	<p>1. the author has not described the system, ratings of the different sources, and load.</p> <p>2. how the hourly load profile has been plotted, from where the data is taken?</p> <p>3. the load profile for all the seasons is the same, which is not possible.</p> <p>4. formatting of the paper is not properly done.</p> <p>5. the objective of the paper is not clear.</p> <p>6. selection criteria for IPA and PSO is missing.</p> <p>7. comparison of convergence curve of above method is missing in the paper</p> <p>8. use springer template for preparation of manuscript</p> <p>9. define all nomenclature used in paper carefully</p> <p>10. do not write hanging eq. number it in proper ascending sequence</p> <p>11. improve quality of fig 1 & fig 2</p> <p>12. add convergence of IPA and PSO for better comparison</p>	<p>1- which type of renewable hybrid system you have studied</p> <p>2- Is your system is applicable to any location.</p>

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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	<ol style="list-style-type: none"> 1. Eqs are not numbered properly as per standard guideline 2. Numbering of fig is missing at some places 3. Selection of parameter for analysis is not clear 4. It is suggested to rewrite Abstract and conclusion in compressed and informative manner 5. Paper is not as per Springer guideline; whole paper requires proper formatting 	<p>1. what is working efficiency of simulated annealing based time-cost trade off model.</p> <p>2. compare the above with GA based T-C model.</p>

Priyanka
Shradha
Vinay Kumar
 Priyanka Gupta
 Shradha Dubey
 Vinay Kumar Tatikayala
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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. Sharadha Dubey, Mr. Vinay Kumar Tatikayala





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REPORT: SESSION - VI



**AICTE Sponsored Second International Conference on
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Attendance of Paper Presentation Session – VI

Paper Presentation Session - VI : 19.12.2020					Indian Time
<p align="center">Session Chair: Dr. Jawar Singh, IIT, Patna Session Chair: Dr. Nitin Mallik, The NorthCap University, Gurgaon, India Session Chair: Dr. P. K. Singhal, MITS, Gwalior, India Session Chair: Dr. Vijay Bhuria, MITS, Gwalior, India</p> <p align="center">SESSION TEAM: Prof. Nupur Verma, Ms. Aditi Tiwari, Mr. Vimal Tiwari</p>					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	Samridhhi 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



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Aditi Tiwari



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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	<p>1. The paper is well written and the concept is explained in detail. Good models for segmentation also results are promising. however 1. Proposed model needs to be tested on a real dataset 2. Check ref [22] again and cite carefully</p> <p>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.</p> <p>3. Use either Fig or Figure in whole manuscripts.</p> <p>4. Explain the terms used in eq 01 and section 2.1 (second para, last line)</p>	<p>Following queries were asked by the session chair -</p> <p>1) How would you practically implement the work?</p> <p>Session chair appreciated the author's work and presentation.</p>

Name
ADITI TIWARI
Vimal Tiwari

Signature
Aditi Tiwari





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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	<p>The following points may be incorporated to improve the quality.</p> <ol style="list-style-type: none"> 1. Not all symbols/Notations are defined in equation (1) - (4). 2. Equation (4) is not clear. 3. Figure captions are same for fig. 3, fig. 4 and fig. 5. Check it properly. 4. Consider the sentence on page 5 " can be minimized only with slightly high value of parameter". Elaborate the findings. 5. What are the criteria for the selection of beam angle? Please specify 6. Comparison of simulation results requires proper validation. 7. Please define all parameters and its use for better understanding. 8. Format all the figures carefully its clear vision, and strictly follow Springer guideline for manuscript preparation. 	<p>Following queries were asked by the session chair -</p> <ol style="list-style-type: none"> (i) What is the efficiency factor of lens and their simplified expression? (ii) How to demonstrate the performance of lens? (iii) How to measure Phase error and Margin error of Lens. (iv) How to increase fallback of increasing the deep angle. <p>Author gave satisfactory answers to all the queries.</p>
					<p style="text-align: right;">Name ADITI TIWARI Vimal Tiwari Signature</p>





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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	<p>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.</p> <p>2. Detail about the dataset is not clear also the environment setting for the experiment requires some explanation.</p> <p>3. Performance evaluation of the algorithms used is missing, it needs to be incorporated.</p> <p>4. Paper size may be reduced.</p> <p>5. References may be changed as per springer format.</p> <p>6. Axis mark of figures may be made bold to make it more readable</p>	<p>Following queries were asked by the session chair -</p> <p>i) Have you fitted the real time data?</p> <p>ii) Source of data set?</p> <p>(iii) what is the difference b/w Synthetic & Real data?</p> <p>iv) How What is the replica of Real data?</p> <p>v) How to choose value of α & β?</p> <p>Author gave satisfactory explanation to all the queries.</p> <p style="text-align: right;">ADI TI TIWARI Name Vimal Tiwari Signature</p>



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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	<p>The title needs to be changed. "Distribution Generation" should be "Distributed Generation"</p> <ol style="list-style-type: none"> The Incorporating Power electronic converters for Distribution Generation interconnection is not a new thing to publish. The quality of the text, mathematical equations, and Figures are very poor, which is not acceptable at all. It looks authors have put the screen shot from the PDF file. The figures are not clear. All equations in the manuscripts seems as image, pleas rewrite all the equations. The paper is not concluded in the proper way. Figure 4 and 5 are not cited in the paper. Latest references are missing in the figure. Please add few references of past 3/4 years and cite them properly in the paper. 	<p>Following queries were asked by the session chair -</p> <ol style="list-style-type: none"> i) How to connect two voltage sources (different). Is it connected to series or parallel. ii) Comment — Economic aspect of DC to DC converter & Tap changing transformer. iii) what is the alternative of Tap changing transformer? iv) why was Buck converter chosen over other converters. <p>Its Advantages? Author gave satisfactory answers.</p> <p align="right">ADITI TIWARI Name Vimal Tiwari Signature</p>





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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	<p>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.</p> <p>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</p>	<p>Following queries were asked by the session chair -</p> <p>i) Which software has been used for simulation?</p> <p>ii) What is the range of frequency? would this work on 0 (zero) frequency DC?</p> <p>iii) Suggestion - Also focus on the precision of converter.</p> <p>iv) What is the value of Dielectric constant?</p> <p>v) What is the main challenge for fabrication?</p> <p>Author give satisfactory answers.</p>

Name ADITI TIWARI
Vimal Tiwari
Signature





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



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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.	<p>Following queries were asked by the session chair -</p> <p>i) From where did you get Activated Carbon (CR dye)?</p> <p>ii) What is the pH value of it?</p> <p>iii) Suggestion - Focus on different absorption capability.</p> <p>(iv) How do you define good Removal Efficiency? What is its value, high or low?</p> <p>(v) What are the most suitable application of this?</p> <p>Author gave satisfactory answers.</p> <p>Name: Vinita Khandegar Signature: <i>Vinita Khandegar</i> ADITI TIWARI</p>





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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	<p>1. In the captions of Fig. 1, 2 and 3, 'PD' is written. What is PD?</p> <p>2. Various Pareto-front is plotted in the manuscript; however its explanation is missing. What is the purpose of providing Pareto-front, please explain.</p> <p>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.</p> <p>4. Incomplete conclusion section, please re-write it.</p> <p>5. Correct the title of paper</p> <p>6. incomplete conclusion</p> <p>7. abstract is not matching with the work presented in the paper</p> <p>8. Manuscript needs major revision</p>	<p>Following queries were asked by the session chair -</p> <p>i) Have you also included emissions?</p> <p>(ii) How many Pareto front were created?</p> <p>(iii) How did you correlate TOPSIS, DEL & others?</p> <p>(iv) Is TOPSIS the best method amongst all of these?</p> <p>Author gave satisfactory answers.</p> <p style="text-align: right;">Vimal Tiwari Signature</p>





Paper Presentation (Session -6): 19-12-2020

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	MITG, Gwalior, MP, India	<p>1. Authors can add the complications to extend to Nemours hidden layers.</p> <p>2. formatting of paper is not proper</p> <p>3. Correct all table and fig carefully in symmetrical manner</p> <p>4. Rewrite whole paper, especially abstract and conclusion in short and informative manner</p> <p>5. use standard formatting for the citation</p>	<p>Following queries were asked by the session chair -</p> <p>i) what optimum no. of Clusters did you find?</p> <p>ii) How to differentiate b/w Training function & Activation function?</p> <p>Author gave satisfactory reply.</p>

Name: *Virtual Tiwari*
ADITI TIWARI
Signature: *Aditi Tiwari*

SESSION TEAM: Ms. Nupur Verma, Ms. Aditi Tiwari, Mr. Vimal Tiwari

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





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Paper ID	Name of Presenter	Paper Title	Affiliation	Comments	Report based on session chair's comments/ questions
88	Kumaya S Patil	Freshivo, Achieving Social Sustainability through Technology	Indian Institute of Technology, Roorkee	<ol style="list-style-type: none"> 1. Author has presented the new idea Social Sustainability through mobile app. 2. Mostly the its contents are copied from YouTube 3. From application point of view its proper justification and validation is required, which is missing in the paper 4. Author has presented the new idea only which are copied from internet. 5. Proper References are missing 6. From application point of view its proper justification/validation is required 	<p><i>Following queries were asked by the session chair -</i></p> <ol style="list-style-type: none"> i) Is it for both IOS & Android platform? ii) Did you code yourself or hired someone else? iii) Is it done entirely in JAVA script? iv) Are you looking for Investors? v) Are you also involved in Startup Competitions? <p><i>suggestion - look up for IITs website for sponsorship Author gave satisfactory answers -</i></p>

Name: **ABITI TIWARI**
Vimal Tiwari
Signature: *Abiti Tiwari*





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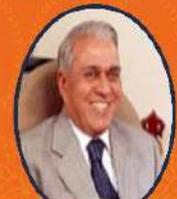
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Secretary, The Scindia Engineering College Society



CHIEF GUEST
Shri Prashant Mehta, I.A.S.
Former Director General, Academy of Administration, Bhopal



KEYNOTE SPEAKER
Prof. K.K. Agarwal
Chairperson National Board of Accreditation, India

Technical Session Speakers

Day-1



DR. ANURADHA RAMASINGHE
Liverpool Hope University,
United Kingdom



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



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

Day-2



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



DR. R.V. RAO
NIT, Surat, Gujarat,
India



DR. SUMANTRA DUTTA ROY
IIT Delhi,
India



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



DR. B.K. PANIGRAHI
IIT Delhi,
India



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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

PUBLICATION PARTNER:





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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, Gujarat,
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:





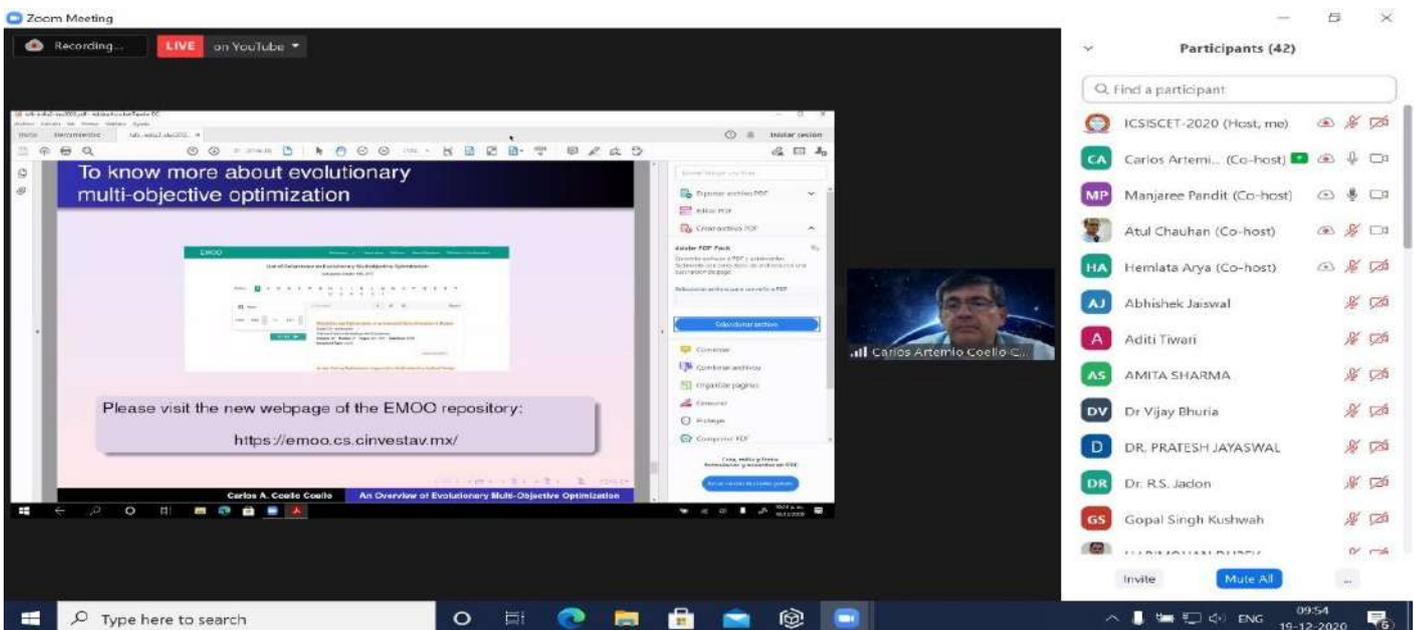
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GLIMPSES (PHOTOGRAPHS)



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



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



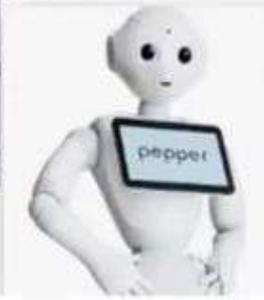
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ROBOTICS & PERCEPTION

Second International Conference ICSIS CET-2020





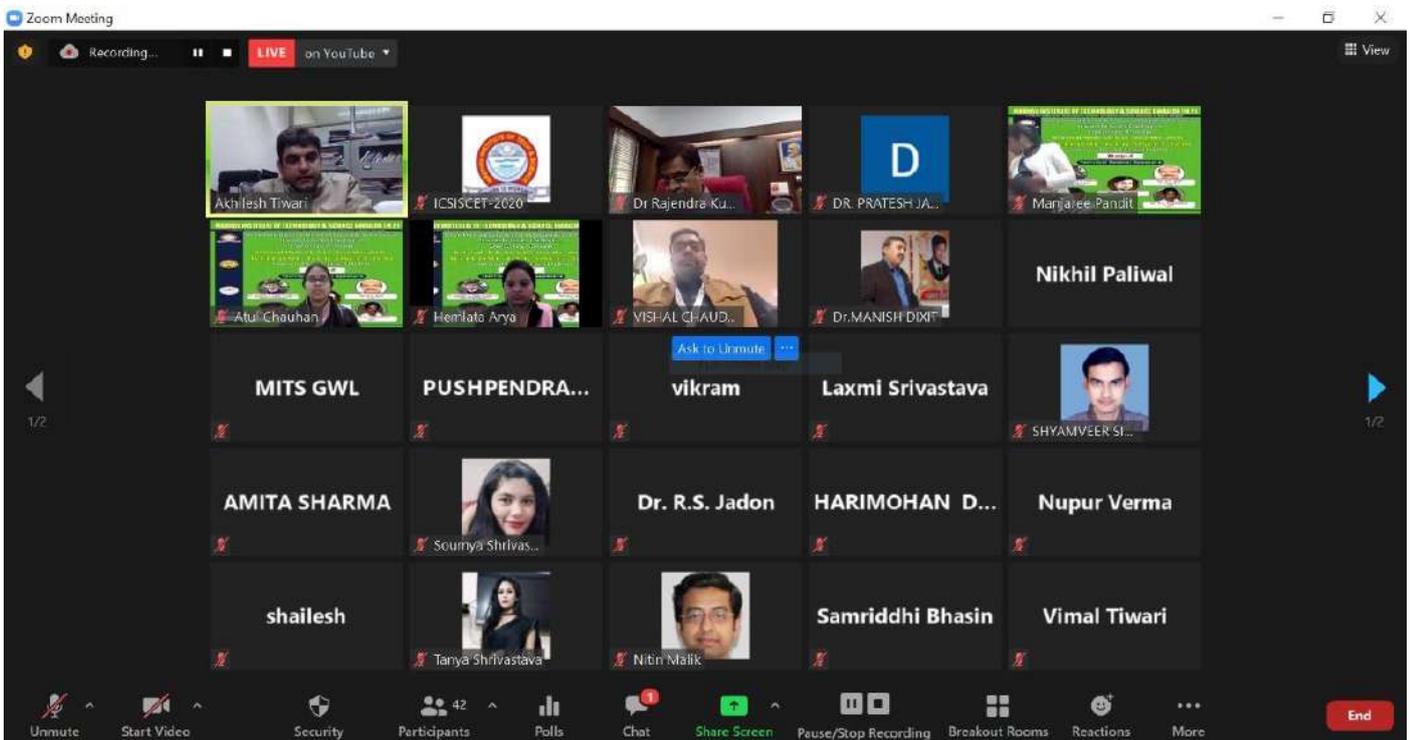




Dr Anuradha Ranasinghe (PhD in Robotics)



DR. ANURADHA RANASINGHE, LIVERPOOL HOPE UNIVERSITY, UNITED KINGDOM,
DELIVERING HER EXPERT TECHNICAL SESSION ON DAY-1



DURING THE CONFERENCE



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Deep Generative Adversarial Network (GANs) and Their Application to Class Imbalanced Learning



Swagatam Das

Electronics and Communication Sciences Unit,
Indian Statistical Institute, Kolkata – 700 108, India.

E-mail: swagatam.das@isical.ac.in



zoom



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



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Randomization Based Shallow and Deep Neural Networks, Oblique Random Forest, and Kernel Ridge Regression



Dr P. N. Suganthan epnsugan@ntu.edu.sg
School of EEE, NTU, Singapore
<https://www3.ntu.edu.sg/home/epnsugan/>

Some Software Resources Available from:
<https://github.com/P-N-Suganthan>

**ICSISCET-2020
18 December 2020**

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

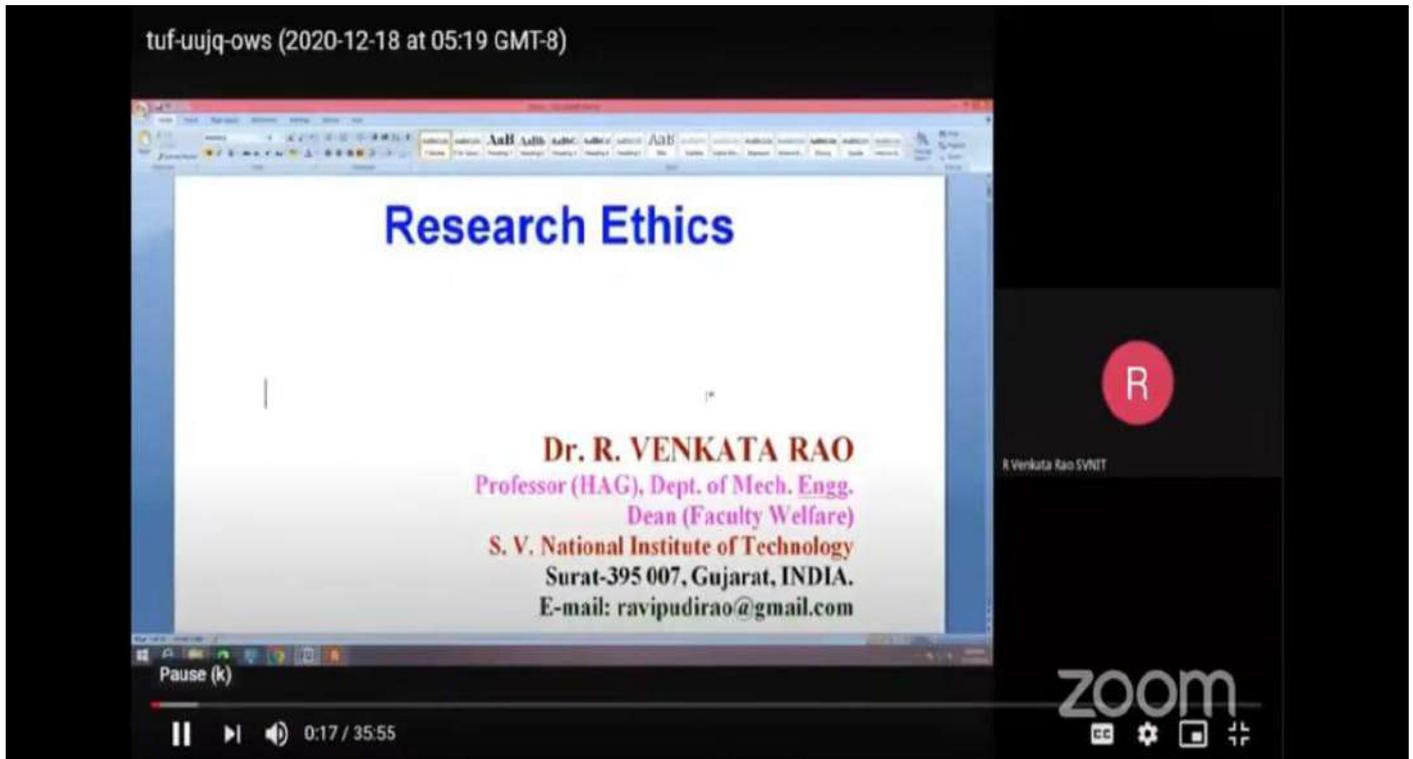
The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Results (Statistical Performance)" with a line graph showing "Performance (%) vs Specificity" for various models. The graph includes data series for ENIGM (14), G-boost (14), SVM (11), MLP (16), SD (10), MLP (10), Kernel (14), and All Features (10). A video feed of Dr. B.K. Panigrahi is visible in the bottom right of the main window. On the right side, a "Participants (39)" list is shown, including the host and several co-hosts.

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

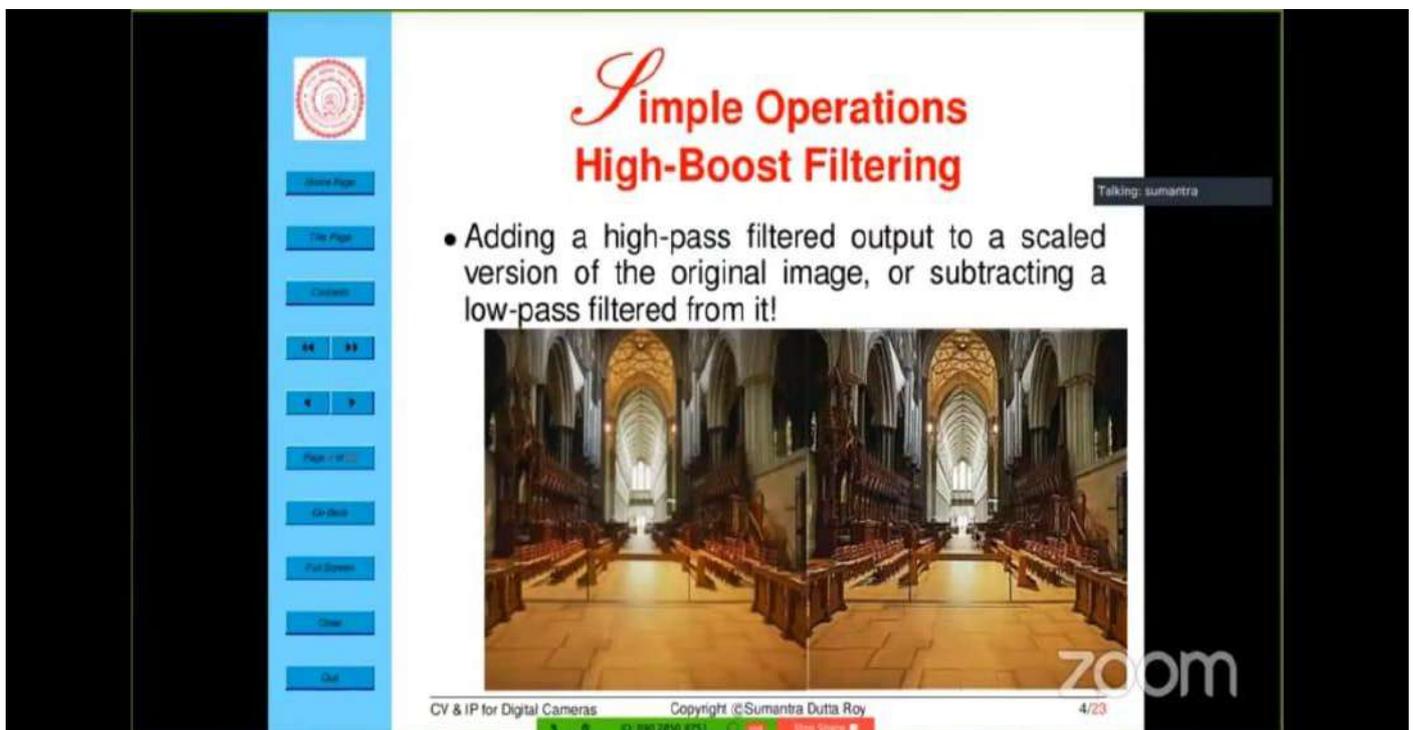


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**DR. R. VENKATA RAO, SVNIT, GUJARAT, INDIA DELIVERING HIS EXPERT
TECHNICAL SESSION ON DAY-2**



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



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CONFERENCE CORE-GROUND TEAM



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CORE-TEAM AFTER SUCCESSFUL COMPLETION OF SECOND ICSISCET-2020



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MEDIA COVERAGE

एमआईटीएस में वर्चुअल इंटरनेशनल कॉन्फ्रेंस आज

ग्वालियर **एमआईटीएस 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 सेशन एवं 8 टेक्निकल सेशन 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 चैलेंजेस 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।

दो दिवसीय अंतरराष्ट्रीय कान्फ्रेंस आज से

ग्वालियर। माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस (एमआईटीएस) की दो दिवसीय ऑनलाइन 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 आईआईटी, एनआईटी, 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 इंटरैक्शन आदि विषयों पर चर्चा करेंगे। कीनोट एड्रेस नेशनल बोर्ड ऑफ एकेडमिशन के चेयरमैन प्रो. केके अग्रवाल देंगे। शुभारंभ सत्र के मुख्य अतिथि एमआईटीएस बोर्ड के सदस्य प्रशांत मेहता रहेंगे। गेस्ट ऑफ आनर रमेश अग्रवाल रहेंगे। कान्फ्रेंस के दौरान एमआईटीएस में अध्ययनरत विद्यार्थियों को विशेषज्ञ कोरोना के कारण हुए बदलवों को लेकर विस्तार से चर्चा करेंगे। -नरि

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 राय ने भी अपने विचार रखे तथा इसके फायदे प्रतिभागियों को बताए। वहीं साउथ एशियन यूनिवर्सिटी नई दिल्ली के डॉ. जेसी बंसल ऑप्टिमाइजेशन 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, कोऑर्डिनेटर डॉ. मंजरी पंडित सहित अन्य फैकल्टी मेंबर ऑनलाइन जुड़े।

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एमआईटीएस : 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 एमआईटीएस और एआईसीटीई 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 पेकर 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 फिगर टेक्नोलॉजी डेवलापमेंट एवं कॉईन 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।

एमआईटीएस ग्वालियर

पत्रिका PLUS में



**AICTE Sponsored Second International Conference on
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संगोष्ठी में विशेषज्ञों ने रिसर्च पेपर किए प्रेजेंट, विद्यार्थियों ने पूछे प्रश्न

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

समापन सत्र में एनआइटी सूरत से डा. आरवी राव ने रिसर्च एथिक्स के बारे में जानकारी देते हुए कहा कि यह एक ऐसी विधा है जो विद्यार्थियों को

रिसर्च के तरीकों के बारे में तो बताती है। वहीं मैक्सिको से डा. कार्लोस कोएलो ने मल्टीऑब्जेक्टिव प्रोब्लेम्स एवं उनके समाधान पर जानकारी दी। आइआइटी दिल्ली के डा. सुमंत्रा दत्ता राय ने फजी लर्निंग तथा आर्टिफिशियल न्यूरल नेटवर्क के बारे में जानकारी दी। सेशन को बढ़ाते हुए साउथ एशियन यूनिवर्सिटी नईदिल्ली के डा. जेसी बंसल ने प्रकृति से संबंधित ऑप्टिमाइजेशन तकनीकियों के बारे में बताया, उन्होंने

पार्टिकल स्वारम इंटेलिजेंस के कई उपयोग बताए। टेक्निकल सेशन के बाद 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 बारे में बताया। 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 रिपोर्ट

ग्वालियर ● एमआइटीएस में इंटरनेशनल कॉन्फ्रेंस के दूसरे दिन शनिवार को कई स्पीकर ने तकनीकी सुझाव दिए। डॉ. कार्लोस कोएलो मैक्सिको ने मल्टीऑब्जेक्टिव प्रॉब्लेम्स 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 राय, 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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Director

**A
REPORT
ON
THREE DAYS ONLINE WORKSHOP
ON
Effective Use of E-learning Platforms for Teaching &
E-Contents Developments Tools**

09-11 July, 2020

Jointly Organized by



**Department of Technical Education and Skill Development
Directorate of Technical Education
Government of Madhya Pradesh
4th Floor, Satpura Bhawan, Bhopal
Madhya Pradesh – 462004
Website: www.mpachedu.org**

and



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Three Days Online Workshop
On
Effective Use of E-learning Platforms for Teaching & E-
Contents Developments Tools
09-11 July, 2020



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Three Days Online Workshop
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PREAMBLE

The COVID-19 Pandemic crisis giving new opportunities to the institutions to embark upon an online teaching learning process to maintain continuity of the studies of the students and take every effort that they can easily access to the quality learning resource. Honorable Secretary, MHRD, Chairman, AICTE and Chairman, UGC in their various communications have also conveyed to encourage the teachers and students for the use of online mode for teaching -learning process. Various institutions in the country have started online teaching to their students innovating their own methodology and using their preferred platforms. MHRD, UGC, AICTE and others communications in this regard had been received with detailed elaboration of such courses, the platform to be used.

To take the online teaching further and making it a planned and systematic intervention for regular teaching or the remedial classes, Madhav Institute of Technology & Science, Gwalior and Directorate of Technical Education, Madhya Pradesh Bhopal are jointly organizing this three days online workshop on **‘Effective Use of e-learning Platforms for Teaching & e-contents Developments Tools’** during **09th July 2020 to 11th July 2020**, exclusively for the faculty members of **Technical (Engineering & Polytechnic) Institutions of Madhya Pradesh.**



Three Days Online Workshop
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09-11 July, 2020



OBJECTIVES OF WORKSHOP

In view of the present situation due to COVID-19 pandemic, the objective of the online workshop is to make the faculty members aware about the Digital Teaching practices and open source platforms available for the purpose. The workshop will enable and equip the faculty members to explore and use the available tools and techniques for online interactive teaching, e-content developments, effective delivery, peer group learning and various ICT initiatives of MHRD for the same. In present times, enormous new possibilities present themselves where the teachers can make use of the advanced facilities to improve the teaching-learning experience. Availability of various audio-visual aids, possibility of pre-recording of lectures, flipped classes and many other on-line tools to choose from, empower the professors of present times as never before in the history of education.



WORKSHOP CONTENTS

The online workshop on **“Effective Use of e-learning Platforms for Teaching & e-contents Developments Tools”** aims to give more emphasis on tutorials, case studies, practice exercises and assignments to the faculty participants so that they get hands on experience in the framing and execution of online teaching-learning activities such as:

1. Digital Teaching-Learning & Evaluation
2. Tools and Strategies for virtual Classes
3. ICT initiatives of MHRD for Teaching learning
4. MOODLE Platform
5. Interactive platforms for online classes
6. E-content developments Tools
7. Virtual Lab: Available Platforms & Techniques
8. Virtual Lab Development
9. Implementation of Bloom Taxonomy in Online Teaching
10. Tools and Techniques for MOOC Development
11. Tools and Strategies for Online Assessment
12. Creating online Question Paper



**Three Days Online Workshop
On
Effective Use of E-learning Platforms for Teaching & E-
Contents Developments Tools
09-11 July, 2020**



REGISTRATION

Teachers of AICTE recognized engineering & Polytechnic institutions are eligible to apply for the workshop. The interested faculty members need to apply online through a web-link available on the Institute website www.mitsgwalior.in by due date. Last date of receiving online application is **08th July 2020**. The candidate will be informed of his/her selection in advance via email. Please note that only the first 250 registration will be accepted and only with them the link for virtual workshop shall be shared. Participants may register immediately to avoid disappointment. Please note that there is no registration charge. However all participants shall be given an e-Certificate to their registered email id.

Contact details for the registration:

1. Prof. Prabhakar Sharma, I/c Central Computer Centre
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Mob: 9425339330
2. Mr. Atul Chauhan, Assistant Registrar
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ADDRESS FOR COMMUNICATION:

Dr. Pratesh Jayaswal, Professor & IQAC Coordinator,
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ORGANIZING COMMITTEE

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Smt. Caralyn Khongwar Deshmukh, IAS,
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Dr. Pratesh Jayaswal, Professor
Dr. Akhilesh Tiwari, Professor

Organizing Secretary

Prof. Prabhakar Sharma, I/c Central Computer Centre



SCHEDULE

Day-1

Date	11:00AM -11.30 AM	11.30 AM -12.30 PM	12.30PM -1.30PM	1.30 PM - 2:30 PM	2:30 PM -3:30PM	3:30PM -5:00 PM
09.07.2020	Inaugural Session	Session-1	Session-2	Break	Session-3	Session-4
		Digital Teaching- Learning & Evaluation	Implementation of Bloom Taxonomy in Online Teaching		ICT initiatives of MHRD for Teaching learning	Activity-1: Lab Session on MOODLE Platform
Resource Person		Dr. Manjaree Pandit	Dr. Manjaree Pandit		Dr. Pratesh Jayaswal	Mr. Atul Chauhan

Day-2

Date	11.00 AM -12.00 NOON	12.00 NOON -1.00 PM	1.00 PM- 2:00 PM	2:00 PM -3:00 PM	3:00 PM -4:30 PM
10.07.2020	Session-5	Session-6	Break	Session-7	Session-8
	Interactive platforms for online classes	E-content developments Tools		Virtual Lab: Available Platforms & Techniques	Activity-2: Virtual Lab Development
Resource person	Dr. Akhilesh Tiwari	Prof. P. Sharma		Prof. Praveen Bansal	Prof. Praveen Bansal

Day-3

Date	11.00 AM -12.00 NOON	12.00 NOON -1.00 PM	1.00 PM- 2:00 PM	2:00 PM -3:00 PM	3:00 PM -4:30 PM	4:30 PM -5:00 PM
11.07.2020	Session-9	Session-10	Break	Session-11	Session-12	Valedictory Session
	Tools and Strategies for Virtual Classes	Tools and Techniques for MOOC Development		Tools and Strategies for Online Assessment	Activity-3: Creating online Question Paper	
Resource person	Prof. R. R. S. Makwana	Prof. R. R. S. Makwana		Dr. Sunita Sharma	Mr. Atul Chauhan	



ORGANIZERS

This three days online workshop ON Effective Use of E-learning Platforms for Teaching & E-Contents Developments Tools has been jointly organized by DTE, Bhopal and MITS, Gwalior.

About DTE, BHOPAL

The Directorate of Technical Education, Madhya Pradesh has been incessantly functioning to meliorate quality of Technical Education across the state via implementing revamped technical education policies of Government of Madhya Pradesh and Central Government. It acts as coordinating agency between Government, Industries and Institutions and assist the Government in the all round up-gradation of technical Educationn with effective and efficient manner.

About MITS, GWALIOR

Madhav Institute of Technology and Science (MITS), Gwalior was established by His Highness Sir Jiwaji Rao Scindia, Maharaja of Erstwhile State of Gwalior, with an aim to create world class quality Engineers and technocrats capable of providing leadership in all spheres of life and society. Founded as Madhav Engineering College in 1957. Since its inception, the institute has constantly strived for excellence and quality. Today the institute offers fifteen UG programmes along with research programmes leading to Masters degree in thirteen specializations and Ph.D. in various technical streams. Various departments of the institute have well equipped laboratories and experienced faculty. The institute is a minor QIP centre for Ph.D. programmes in five disciplines. The institute is also funded by the World Bank under TEQIP phase III to strengthen the quality of technical education.



NEWS

ह, जा रुचकर ह।

जो शिक्षक ऑनलाइन तकनीक में एक कदम आगे होगा, वही अंतिम दौड़ जीतेगा

ग्वालियर। तकनीकी शिक्षा में एक नए युग की शुरुआत हो चुकी है। जो शिक्षक इस दौर में ऑनलाइन तकनीक में एक कदम आगे चलेगा, अंतिम दौड़ वही जीतेगा। यह बात एमआईटीएस के निदेशक डॉ. आरके पंडित ने कही। गुरुवार को एमआईटीएस और डायरेक्टर ऑफ टेक्निकल एजुकेशन (डीटीई) मप्र की ओर से तीन दिवसीय प्रशिक्षण की शुरुआत हुई। इसमें तकनीकी शिक्षण संस्थानों के साथ पॉलीटेक्निक के 1600 फैकल्टी मेंबर ने हिस्सा लिया। इस मौके पर डॉ. मंजरी पंडित ने कहा कि पेपर सेटिंग मूल रूप से ब्लूम टेक्सनॉमी पर आधारित होना चाहिए।

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शिक्षकों को दी वर्चुअल क्लासरूम की ट्रेनिंग

ग्वालियर (नईदुनिया रिपोर्टर)। माधव प्रौद्योगिकी एवं विज्ञान संस्थान और डायरेक्टर ऑफ टेक्निकल एजुकेशन की तीन दिनी कार्यशाला का शनिवार को समापन हुआ। ऑनलाइन इफेक्टिव यूज ऑफ ई-लर्निंग प्लेटफॉर्म फॉर टीचिंग एंड ई-कॉन्टेंट डेवलपमेंट टूल्स विषय हुई इस कार्यशाला में पॉलीटेक्निक और इंजीनियरिंग कॉलेजों के 1600 शिक्षकों ने हिस्सा लिया। अंतिम दिन एमआईटीएस के सीएस एंड आईटी इंजीनियरिंग विभाग के असिस्टेंट प्रोफेसर रजनी रंजन सिंह मकवाना ने डिजिटल पेन का प्रयोग करके ऑपेरेटिंग सिस्टम के कंसेप्ट्स को समझाया। उन्होंने बताया कि किस तरह फिजिकल क्लासरूम से दूर होने पर भी लेक्चर को रिकॉर्ड करके स्टूडेंट्स, गूगल ड्राइव एवं मूडल जैसे प्लेटफॉर्म पर अपलोड कर स्टूडेंट्स को वर्चुअल क्लासरूम में पढ़ाया जा सकता है।

आगे सत्र में इलेक्ट्रिकल



कार्यशाला के अंतिम दिन मौजूद वक्तागण। (वि.)

इंजीनियरिंग विभाग के असिस्टेंट प्रोफेसर प्रवीण वंसल ने मेटेल, स्वयं जैसे प्लेटफॉर्म का संस्थान को लोकल चैटर बनाने तथा इन प्लेटफॉर्म पर चलने वाले कोर्सेज की क्रेडिट ट्रांसफर पॉलिसी पर चर्चा की। आइव्यूएसी को-ऑर्डिनेटर प्रो. प्रवेश जायसवाल ने पार्टिसिपेंट्स को बताया कि इस महामारी के दौर में और इसके बाद ऑनलाइन टीचिंग को प्रमोट करने के लिए एमआईटीएस ने कई कदम

उठाने की तैयारी की है। संस्थान ने अपने अपने मॉडर्न मूल्स डेवलपमेंट सेंटर को अन्य संस्थानों के शिक्षकों के लिए भी खोल दिया है। इसका उपयोग कर कोई भी अपना खुद का कोर्स ऑनलाइन उपलब्ध करा सकता है। समापन समारोह में संस्थान की डीन (अक्रादमिक) डॉ. मंजरी पंडित, सीएई एवं आईटी विभाग के विभागाध्यक्ष डॉ. अखिलेश तिवारी आवि मौजूद थे।





जायसवाल २०।

शिक्षकों को दिया ऑनलाइन प्रशिक्षण

ग्वालियर, न.सं.। माधव प्रौद्योगिकी एवं विज्ञान संस्थान ग्वालियर और डायरेक्ट्रेट ऑफ टेक्निकल एज्युकेशन मध्य प्रदेश द्वारा संयुक्त रूप से तीन दिवसीय ऑनलाइन इफेक्टिव यूज ऑफ ई-लर्निंग प्लेटफॉर्म फॉर टीचिंग एंड ई-कंटेंट्स डेवलपमेंट टूल्स प्रशिक्षण कार्यशाला का शनिवार को समापन हुआ। इस कार्यशाला में लगभग 1600 शिक्षकों को टीचिंग लर्निंग गतिविधि को प्रभावी ढंग से कराने का प्रशिक्षण दिया गया। रजनी रंजन सिंह मकवाना ने डिजिटल पेन का प्रयोग करके ऑपरेटिंग सिस्टम के कांसेप्ट को वर्चुअल व्हाइट बोर्ड पर समझाया। फिजिकल क्लासरूम से दूर होने पर भी पूरी प्रक्रिया को रिकॉर्ड करके यू-ट्यूब, गूगल ड्राइव एवं मूडल जैसे प्लेटफॉर्म पे अपलोड करके छात्रों को वर्चुअल क्लासरूम उपलब्ध कराने की प्रक्रिया समझाई। प्रो. प्रवीण बंसल ने प्लेटफॉर्म का संस्थान को लोकल चैप्टर बनाने तथा इन प्लेटफॉर्म पर चलने वाले पाठ्यक्रम की क्रेडिट ट्रांसफर पॉलिसी पर चर्चा की। प्रो. प्रतेश जायसवाल, डॉ. सुनीता शर्मा, निदेशक डॉ. आर.के. पण्डित, डीन अकादमिक डॉ मंजरी पण्डित, डॉ अखिलेश तिवारी, डॉ सुनिता शर्मा, प्रो. प्रवीण बंसल, प्रो. प्रभाकर शर्मा आदि ने भी विचार रखे।



भादि सदस्य उपस्थित थे।

तकनीकी समस्या आने पर स्टूडेंट्स को पढ़ाएं आवाज रिकॉर्ड कर

ग्वालियर (नईदुनिया रिपोर्टर)।

माधव प्रौद्योगिकी एवं विज्ञान संस्थान ग्वालियर और डायरेक्टरेट ऑफ टेक्निकल एजुकेशन की वर्कशॉप जारी है। 'ऑनलाइन इफेक्टिव यूज ऑफ ई-लर्निंग प्लेटफॉर्म फॉर टीचिंग एंड ई-कंटेंट्स डवलपमेंट टूल्स' विषय पर संचालित वर्कशॉप में पॉलीटेक्निक और इंजीनियरिंग संस्थानों के 1600 टीचर्स को ऑनलाइन ट्रेड किया जा रहा है। जिससे वे टीचिंग लर्निंग को प्रभावी बना सकें। वर्कशॉप में एमआईटीएस कंप्यूटर साइंस एंड इंजीनियरिंग और इंफॉर्मेशन टेक्नोलॉजी विभाग के विभागाध्यक्ष प्रोफेसर अखिलेश तिवारी ने विषम परिस्थितियों में स्टूडेंट्स को पढ़ाने की ट्रिक बताई। इसके लिए उन्होंने रिकॉर्डेड टूल और टेक्नोलॉजी के बारे में बताया। उन्होंने कहा कि अगर जूम, वेब एक्स, गूगल मीट की उपलब्धता न हो या ऑनलाइन क्लास में तकनीकी समस्या पैदा हो रही है तो पॉवर प्वाइंट स्लाइड के साथ आवाज रिकॉर्ड कर भी पढ़ा सकते हैं इलेक्ट्रिकल इंजीनियरिंग विभाग के असिस्टेंट प्रोफेसर प्रवीण वंसल ने वर्चुअल प्रयोगशाला से रूबरू कराया।

तक आवेदन कर सकते हैं।

तकनीकी शिक्षा में नए युग की शुरुआत

ग्वालियर। माधव प्रौद्योगिकी एवं विज्ञान संस्थान ग्वालियर और डायरेक्टरेट ऑफ टेक्निकल एजुकेशन मध्य प्रदेश द्वारा संयुक्त रूप से तीन दिवसीय "ऑनलाइन इफेक्टिव यूज ऑफ ई-लर्निंग प्लेटफॉर्म फॉर टीचिंग एंड ई-कंटेंट्स डवलपमेंट टूल्स" प्रशिक्षण कार्यशाला का शुभारंभ गुरुवार को किया गया। तीन दिन तक चलने वाली इस कार्यशाला में मद्र के समस्त पॉलीटेक्निक और इंजीनियरिंग कॉलेज के लगभग 1600 अध्यापकों ने भाग लिया। ऑनलाइन टीचिंग लर्निंग को प्रभावी तरीके से किस तरह किया जाए इस संबंध में प्रभावशाली प्रशिक्षण दिया जाएगा। कार्यशाला में टेक्निकल एजुकेशन के कई विद्वानों ने भाग लिया, डॉ टी ई के प्रतिनिधि डॉ मोहन रेन एवं एमआईटीएस के निदेशक डॉ. आरके पंडित उपस्थित रहे। निदेशक एमआईटीएस डॉ. पंडित ने सभी प्रतिभागियों को बताना कि तकनीकी शिक्षा में एक नए युग की शुरुआत हो चुकी है, जो शिक्षक इस दौर में ऑनलाइन तकनीकी में एक कदम आगे चलेगा, अंतिम ट्रेंड चर्चा जीतेगा। वर्चुअल उद्घाटन के बाद पहला सेशन एमआईटीएस को डॉन डॉ मंजरी पंडित द्वारा शीर्षक "डिजिटल टीचिंग लर्निंग एंड इवैल्यूएशन" पर लिया गया। जिसमें पॉलीटेक्निकों को डिजिटल टीचिंग के मूल सिद्धान्तों को विस्तार से समझना था।





एमआइटीएस में प्रशिक्षण कार्यशाला डिजिटल मीडियम में इफेक्टिव स्टडी आज के समय की जरूरत



पत्रिका **PLUS** रिपोर्टर

ग्वालियर ♦ एमआइटीएस ग्वालियर और डायरेक्टरेट ऑफ टेक्निकल एजुकेशन मप्र के संयुक्त तत्वावधान में आयोजित 'इफेक्टिव यूज ऑफ ई-लर्निंग प्लेटफॉर्म फॉर टीचिंग एंड ई-कंटेंट्स डवलपमेंट टूल्स' प्रशिक्षण कार्यशाला के दूसरे दिन प्रदेश के पॉलीटेक्निक एवं इंजीनियरिंग महाविद्यालयों के लगभग 1600 शिक्षकों को प्रशिक्षण दिया गया। संस्थान के कम्प्यूट साइंस एवं इंजीनियरिंग तथा इन्फॉर्मेशन टेक्नोलॉजी विभाग के विभागाध्यक्ष प्रो. अखिलेश तिवारी ने विषम परिस्थितियों में लाइव तथा रिकार्डेड माध्यम से अध्यापन कार्य सम्पादित कराने के लिए प्रयोग किए जाने वाले टूल्स और टेक्नोलॉजी के बारे में विस्तार से पार्टिसिपेंट्स को जानकारी दी। प्रो. तिवारी ने अपने सेशन के दौरान डेमो देकर ऑनलाइन टीचिंग के लिए काम में आने वाले टूल्स का प्रयोग करते वक्त तरह-तरह की सावधानियों तथा उनके फीचर्स के बारे में अवगत कराया।

गोर्गस का वेबिनार

पॉवर पॉइंट पर स्लाइड के साथ वॉइस कर सकते हैं रिकॉर्ड

प्रो. तिवारी ने बताया कि यदि आपके पास जूम, वेब एक्स, गूगल मीट की उपलब्धता ना हो या ऑनलाइन क्लास में तकनीकी समस्या पैदा हो रही है तो पॉवर पॉइंट पर स्लाइड के साथ आवाज रिकॉर्ड करके भी फैकल्टी अपलोड कर सकता है, जिसमें छात्रों को प्रभावशाली ढंग से समझाकर भी क्लास ली जा सकती है। इसका लाइव डेमोंस्ट्रेशन पार्टिसिपेंट्स को दिखाया। दूसरा सेशन इलेक्ट्रिकल इंजीनियरिंग विभाग के असिस्टेंट प्रोफेसर प्रवीण बंसल ने देश की अलग-अलग आइआइटी की वर्चुअल प्रयोगशाला से इंजीनियरिंग की अलग-अलग ब्रांच के प्रयोग करने का डेमो दिया। वर्कशॉप को-ऑर्डिनेटर डॉ. मंजरी पंडित ने सभी प्रतिभागियों को बताया कि इस मुश्किल समय में छात्रों को नए तरीकों से अवगत कराना एवं उन्हें ऑनलाइन डिजिटल माध्यम से इफेक्टिव अध्ययन करवाना शिक्षकों की विशेष जिम्मेदारी है।



तकनीकी शिक्षा में नए युग की शुरुआत

ग्वालियर, न.सं.। माधव प्रौद्योगिकी एवं विज्ञान संस्थान ग्वालियर और डायरेक्ट्रेट ऑफ टेक्निकल एज्युकेशन मध्य प्रदेश के संयुक्त तत्वावधान में तीन दिवसीय 'ऑनलाइन इफेक्टिव यूज ऑफ ई-लर्निंग प्लेटफॉर्म फॉर टीचिंग एंड ई-कंटेंट्स डेवलपमेंट टूल्स' प्रशिक्षण कार्यशाला का गुरुवार को शुभारंभ हुआ। कार्यशाला में मध्य प्रदेश के समस्त पॉलीटेक्निक और इंजीनियरिंग महाविद्यालयों के लगभग 1600 अध्यापकों ने ऑनलाइन भाग लिया। ऑनलाइन टीचिंग लर्निंग को प्रभावी तरीके से किस तरह किया जाए, इस संबंध में प्रभावशाली प्रशिक्षण दिया जाएगा। डीटीई के प्रतिनिधि डॉ. मोहन सेन एवं संस्थान के निदेशक डॉ. आर.के. पंडित अतिथि के रूप में उपस्थित रहे। डॉ. पंडित ने बताया कि तकनीकी शिक्षा में एक नए युग की शुरुआत हो चुकी है, जो शिक्षक इस दौर में ऑनलाइन तकनीक में एक कदम आगे चलेगा, अंतिम दौड़ वही जीतेगा। संकायाध्यक्ष डॉ. मंजरी पंडित ने डिजिटल टीचिंग के मूल सिद्धान्तों को विस्तार से समझाया। डॉ. प्रवेश जायसवाल ने अपनी बात रखी। अतुल चौहान ने ऑनलाइन प्लेटफॉर्म मूडल पर व्याख्यान दिया।





<https://epaper.naidunia.com>



नए युग में वही जीतेगा जो कदम आगे बढ़ाएगा

एमआइटीएस में डायरेक्टरेट ऑफ टेक्निकल एजुकेशन की वर्कशॉप जारी

ग्वालियर (नईदुनिया रिपोर्टर)। माधव प्रौद्योगिकी एवं विज्ञान संस्थान और डायरेक्टरेट ऑफ टेक्निकल एजुकेशन मध्य प्रदेश की तीन दिवसीय वर्कशॉप जारी है। जिसका विषय 'ऑनलाइन इफेक्टिव यूज ऑफ ई-लर्निंग प्लेटफॉर्म फॉर टीचिंग एंड ई-कंटेंट्स डवलपमेंट टूल्स' तय किया गया है। इस वर्कशॉप में मध्य प्रदेश के सभी पॉलीटेक्निक और इंजीनियरिंग कॉलेज के लगभग 1600 टीचर भाग ले रहे हैं। उन्हें ऑनलाइन टीचिंग को प्रभावी बनाने का प्रशिक्षण मिल रहा है।



तीन दिवसीय वर्कशॉप में आमंत्रित विशेषज्ञों ने किया टीचर्स को संबोधित। (साधार)

सूचनाओं को भेजने के लिए कोरोना काल में मूडल सफल ऑनलाइन प्लेटफॉर्म साबित हुआ है

वर्कशॉप में डीटीई के प्रतिनिधि डॉ. मोहन सेन और एमआइटीएस के निदेशक डॉ. आरके पंडित उपस्थित रहे। डॉ. पंडित ने कहा कि तकनीकी शिक्षा में एक नए युग की शुरुआत हो चुकी है, जो टीचर इस दौर में ऑनलाइन तकनीक में एक कदम आगे चलेगा, अंतिम दौड़ वहीं जीतेगा। वर्चुअल

शुभारंभ के बाद एमआइटीएस की डीन मंजरी पंडित ने 'डिजिटल टीचिंग लर्निंग एंड इवैल्यूएशन' ने अपने विचार रखे और डिजिटल टीचिंग के मूल सिद्धांतों के बारे में बताया। इसी शृंखला में डॉ. प्रवेश जायसवाल ने 'आइड्यूएसी के बारे में बताया। एमआइटीएस के अतुल चौहान ने

ऑनलाइन प्लेटफॉर्म मूडल पर व्याख्यान और हैंडस ऑन की प्रैक्टिस कराई। उन्होंने बताया मूडल कोविड पीरियड में सफल ऑनलाइन प्लेटफॉर्म साबित हुआ है। इसकी मदद से स्टूडेंट्स को एक वार में कई सूचनाएं दी जा सकती हैं। इस मौके पर प्रतिभागियों ने कई प्रश्न भी पूछे।

ANCHOR

एमआइटीएस में ट्रेनिंग प्रोग्राम

एजुकेशन में आगे बढ़ने के लिए टेक्नोलॉजी के साथ चलें

पत्रिका PLUS रिपोर्टर

ग्वालियर • संस्थान ग्वालियर और डायरेक्टरेट ऑफ टेक्निकल एजुकेशन मध्य प्रदेश के संयुक्त तत्वावधान में तीन दिवसीय 'ऑनलाइन इफेक्टिव यूज ऑफ ई-लर्निंग प्लेटफॉर्म फॉर टीचिंग एंड ई-कंटेंट्स डवलपमेंट टूल्स' प्रशिक्षण कार्यशाला का शुभारंभ गुरुवार को हुआ।

कार्यशाला में प्रदेश के पॉलीटेक्निक और इंजीनियरिंग कॉलेज के लगभग 1600 अध्यापकों ने भाग लिया। ऑनलाइन टीचिंग लर्निंग को प्रभावी तरीके से किस तरह किया जाए, इस संबंध में प्रभावशाली प्रशिक्षण दिया गया। इस अवसर पर विशेष रूप से डीटीई

शिक्षा के क्षेत्र में नए युग की शुरुआत

संस्थान के डायरेक्टर ने प्रतिभागियों को बताया कि तकनीकी शिक्षा में एक नए युग की शुरुआत हो चुकी है, जो शिक्षक इस दौर में ऑनलाइन तकनीकी में एक कदम आगे चलेगा, अंतिम दौड़ वहीं जीतेगा। वर्चुअल उद्घाटन के बाद पहला सेशन एमआइटीएस की डीन डॉ. मंजरी पंडित ने लिया। उन्होंने 'डिजिटल टीचिंग लर्निंग एंड इवैल्यूएशन' विषय पर अपने विचार रखे। इसमें पार्टिसिपेंट्स को डिजिटल टीचिंग के मूल सिद्धांतों को विस्तार से समझाया गया।



उन्होंने ब्लूटूथ टेक्सनोमी को समझते हुए बताया कि पेपर सेटिंग मूल रूप से ब्लूटूथ टेक्सनोमी पर आधारित होना चाहिए, जिसमें छात्रों को

साधारण, मुश्किल एवं अधिक मुश्किल सवालों को हल करने की समझ विकसित होती है। इसी शृंखला में द्वितीय सेशन डॉ. प्रवेश जायसवाल ने लिया।

डिजिटल प्लेटफॉर्म पर कराई प्रैक्टिस

तीसरा सेशन ब्लूटूथ टेक्सनोमी के प्रयोग पर आधारित रहा एवं डिजिटल प्लेटफॉर्म आधारित टीचिंग लर्निंग गतिविधि के साथ हैंडस-ऑन अभ्यास करवाया गया। कार्यशाला के चौथे सत्र में एमआइटीएस के अतुल चौहान ने ऑनलाइन प्लेटफॉर्म मूडल पर व्याख्यान एवं हैंडस ऑन प्रैक्टिस कराई। मूडल कोविड 19 के इस दौर में बहुत सफल ऑनलाइन प्लेटफॉर्म सिद्ध हुआ है, इस प्लेटफॉर्म पर संस्थान के सभी छात्रों को जोड़कर उनको ना सिर्फ सूचनाएं दी जा सकती हैं, बल्कि ऑनलाइन स्टडी मटेरियल, विचज, ऑनलाइन प्रोग्रामिंग, ऑनलाइन असाइनमेंट एवं छात्रों का लगातार एसेसमेंट किया जा सकता है।

के प्रतिनिधि डॉ. मोहन सेन एवं एमआइटीएस के निदेशक डॉ. आरके पंडित उपस्थित रहे।

पत्रिका स्पॉटर्स

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

No.: 1013

Date: 01.07.2020

ORDER

A two days collaborative online workshop with Directorate of Technical Education, Madhya Pradesh is to be conducted on “**Digital Teaching Learning: Tools & Practices**” for faculty members of different Government Polytechnic & Engineering Institutes of Madhya Pradesh. In this regard, following committee is constituted for smooth conduction of workshop under IQAC of Institute:

- | | |
|-------------------------------|--|
| 1. Dr. Manjaree Pandit, | Coordinator & Resource Person |
| 2. Dr. Pratesh Jayaswal, | Co-ordinator & Resource Person |
| 3. Dr. Akhilesh Tiwari, | Co-ordinator & Resource Person |
| 4. Prof. Prabhakar Sharma, | Organizing Secretary & Resource Person |
| 5. Prof. R. R. Singh Makwana, | Resource Person |
| 6. Prof. Praveen Bansal, | Resource Person |
| 7. Mr. Atul Chauhan, | Resource Person |

Above committee is required to conduct said online workshop via covering following Contents:

- (i) MOODLE Platform,
- (ii) Various Interactive platforms for online classes
- (iii) E-content preparation (video Lectures, Audio Lectures, online quiz, etc.)
- (iv) Online Assessment
- (v) Virtual Lab.
- (vi) Implementation of Bloom Taxonomy in Online Teaching-Learning.
- (vii) ICT initiatives of MHRD


(Dr. R. K. Pandit) 1.7.2020
Director

- Copy to:
- (i) All above committee members,
 - (ii) Concern Head of the Department,
 - (iii) Director, Directorate of Technical Education, Madhya Pradesh
 - (iv) Dean Academics,
 - (v) Registrar,
 - (vi) Director Office.



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

REPORT

OF

**Online Workshop
On
Virtual Labs**

By Virtual Lab Team IIT, Delhi

AT

Department Level

Under

Internal Quality Assurance Cell (IQAC)

August, 2020



WORKSHOP REPORT OF VIRTUAL LABS

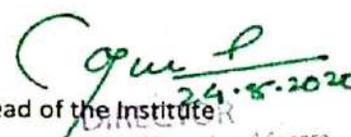


An online Workshop on Virtual Labs was organized successfully on **22/08/2020** for **Madhav Institute of Technology and Science, Gwalior, Madhya Pradesh**, for Faculty members & Students from various disciplines (Applied Sciences, CSE, ECE/EE, ME & CE) by Virtual Labs team, IIT Delhi. Virtual Labs mentors for this workshop were **Mr. Tanmay Das, Mr. Prateek Sharma & Mr. Shivam Sundaram**. Total of **119** Faculty Members & **302** Students attended the workshop. The detailed report of the workshop is given below:

Session	Time	Discipline	Labs / Experiments Demonstrated	No of Students attended (X)	No of Faculties attended (Y)
1	02:00 - 03:00	CSE, ME, ECE/EE, CE & APPLIED SCIENCES	<ul style="list-style-type: none">• Electric Circuit Lab• Basics of HTML Lab• Problem Solving Lab• Electrical Machines Lab• Metal Forming Lab• Vibration and Acoustics Lab• Solid State Physics Virtual Lab• Digital Signal Processing Lab	302	119
Total attendees (X+Y)				421	

**NOTE: Photographs of this workshop will be submitted separately.*


24/08/2020
Nodal Coordinator


24.8.2020
Head of the Institute
Madhav Institute of Technology & Science
Gwalior - 474005 (M.P.)

Zoom Meeting

Dr Vijay Bhuria

Shivam Sundaram

Divyam

Motivation

Physical Distances Limit Doing Experiments

Sharing of Costly Equipment

Proliferation of Quality Labs

Participants (156)

Q Find a participant

- DV Dr Vijay Bhuria (Me)
- IQAC MITS (Host)
- SS Shivam Sunda... (Co-host)
- NG NIPUN GUPTA (Co-host)
- PB Praveen Bansal (Co-host)
- OS 0901EC191117 Sourabh rathore
- A A.K.Dwivedi
- AA ABHAY AGRAWAL
- AS abhay.soni(D901EC191006)
- A Abhishek

Unmute Start Video Participants Chat Share Screen Reactions More Leave

14:18
22-08-2020

GMT20200822-082817_Webinar-on_1686x768.mp4 - VLC media player

Media Playback Audio Video Subtitle Tools View Help

Virtual Labs - Physical Sciences

Virtual Labs - Physical Sciences

Not secure | vlab.amrita.edu/?sub=11&brch=202&res=979&cnt=4

Theory Procedure Self Evaluation Simulator Assignment Reference Feedback

Hall Effect

Variables

Select Procedure: Hall Effect Setup

Remove Hall Probe

Current: 1 A

Select Material: Constantan

Thickness: 0.0001 in

Hall Current: 1 mA

Show Voltage

Reset

Results

Show Result

Hall Coefficient

Carrier Concentration

Zoom_on_raj@Laxee

242 PM 8/22/2020

1:36:48

70%

Type here to search

10:44 25-08-2020

DC Circuit Simulation

Visual / Circuit / Advances

RESISTANCE

3784.88

DELETED

Components

- Switch
- Bulb
- Resistor
- Wire
- Ammeter
- Voltmeter
- Non Contact Ammeter

Amrita Virtual Lab

Copyright (C) Amrita University 2009-12

Take Snapshot
Undo
Reset
Browse Blocks

Now click on the line between sinusoidal block and sample block and make connection with virtual scope.

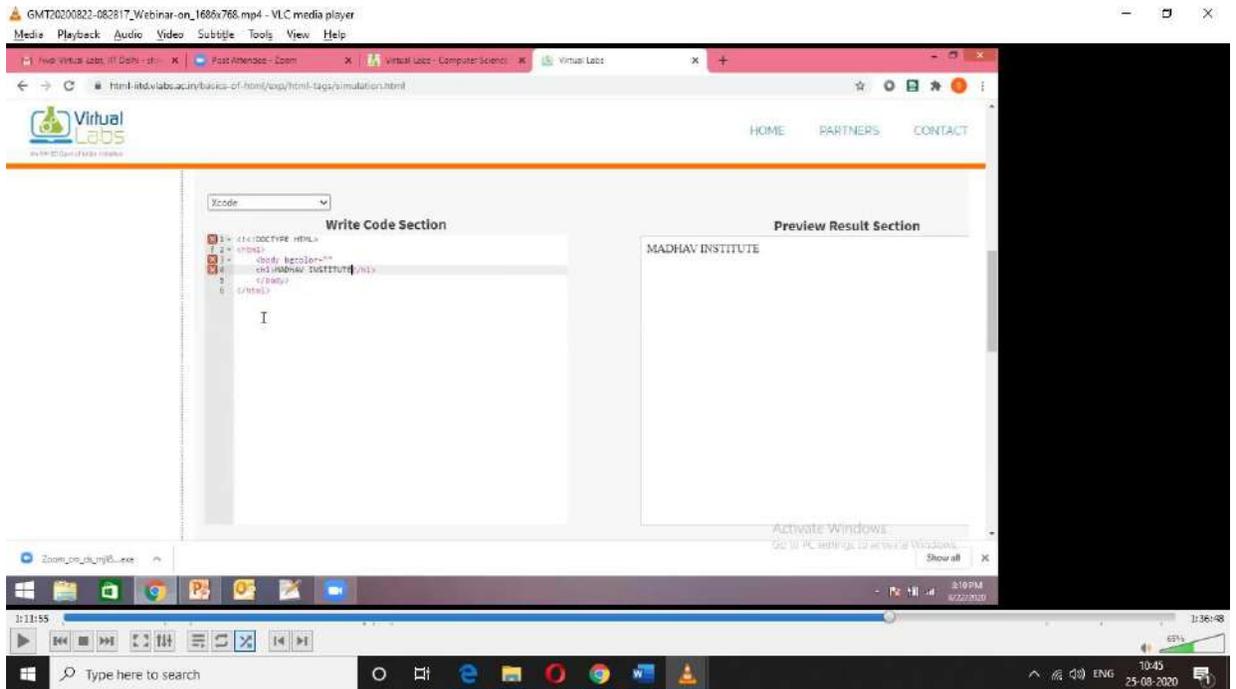
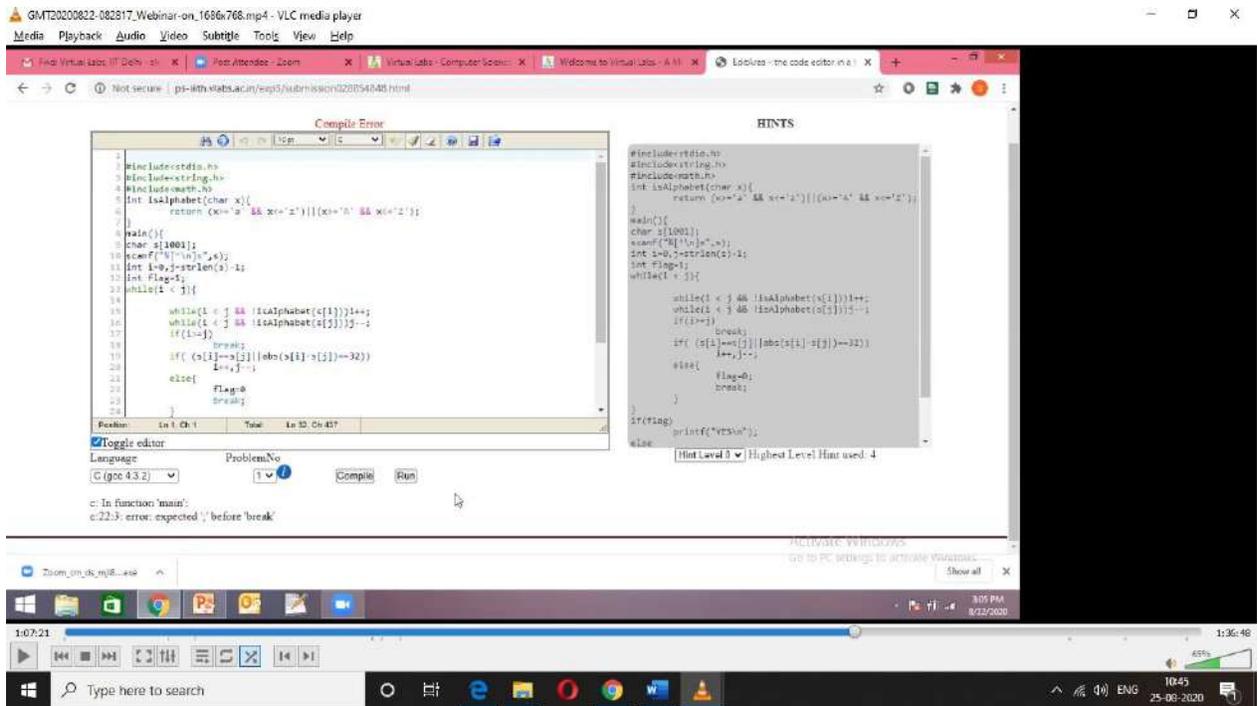
Sine Generator

Sampling Block

Virtual Scope

Amrita Virtual Lab

vlab.kitqp.ernet.in/dsp/exp/Andas.html#



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Virtual Labs - IT Delhi - sh... Post Attende... Zoom Virtual Labs - Electrical Engine... Rotating Magnetic Field Behavio...

ven-rtg.vlabs.ac.in/Rotating%20Magnetic%20Field%20Behaviour%20-%20two%20coils(experiment).html

Zoom on desktop... Show all

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GMT20200822-082817_Webinar-on_1685x768.mp4 - VLC media player

Media Playback Audio Video Subtitle Tools View Help

Virtual Labs - IT Delhi - sh... Post Attende... Zoom Virtual Labs - Mechanical Engi... Welcome to Virtual Labs - A... Modal analysis on a Cantilever

Not secure | va-coop.vlabs.ac.in/impactTestCantilever/impactTestCantilever.html

(An Autonomous Institute of Government of Maharashtra)

CONTROL PANEL

Cross Section

0.0116 m 0.00325 m 0.190 m Calculate

Width(b) Height(d) Length(L)

Cross Section Area : 0.000037691 m² Formula

Moment of Inertia : 3.31838541e m⁴ Formula

Material of Cantilever: stainless Steel

Density : 7800 kg/m³

Young's Modulus : 210 x 10⁹ N/m²

Select the node before press 'Hit The Hammer' button

Hit the Hammer at Node : Select

Observe FRF Reset

Zoom on desktop... Show all

1:19:31 65% 1:36:48

Type here to search

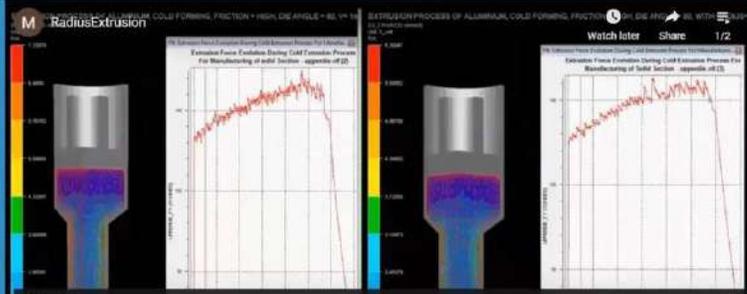
Metal Forming Virtual Simulation Lab
Dayalbagh Educational Institute, Agra
Sakshat Virtual Labs

Home | Extrusion | Simulation Bench | Comparative Simulation | Applications | Special Cases | Self Check Quiz

Radius Extrusion
Extrusion Process of Aluminum Cold Forming Friction - High Die Angle - 80.14°

Extrusion Process of Aluminum Cold Forming Friction - High Die Angle - 80.14°
Extrusion Force Evaluation During Cold Extrusion Process For Manufacturing of Solid Section - [sagadeki.08.03](#)

Extrusion Process of Aluminum Cold Forming Friction - High Die Angle - 80.14°
Extrusion Force Evaluation During Cold Extrusion Process For Manufacturing of Solid Section - [sagadeki.08.03](#)



More videos

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