



NEWS LETTER

Vol. 8, No. 4

October-December-2020

E-mail: enewsletter@mitsgwalior.in

The team newsletter wishes you and your loved ones the end of a peaceful and safe year. And look forward to working with you next year.

Inside the Pages

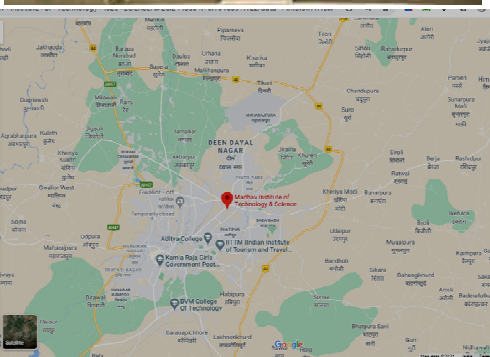
- ✚ Faculty Received Award
- ✚ Faculty Accolades
- ✚ Activities Organized at Institute Level
- ✚ FDP/STC Attended by the Faculty
- ✚ NPTEL/ATAL/COURSERA Courses Attended by The Faculty
- ✚ Project Undergoing
- ✚ Book Chapter Published
- ✚ Club Activity Organised
- ✚ Students 'Achievements
- ✚ Publications
- ✚ Team Newsletter
- ✚ Media Coverage
- ✚ Awareness News

FACULTY RECEIVED AWARD

1. **Mr. Jitendra Kumar Mutehe** has been awarded Doctor of Philosophy (Ph.D) degree under supervision of Dr. V.P. Shinde, on the thesis title “**Performance Analysis of Some Queuing Models**” on 05 October 2020 from RGVP, Bhopal (M.P.).
2. **Mr. Alok Jain** has been awarded Doctor of Philosophy (Ph. D) degree under supervision of Dr. D K Jain and Co-Guide Dr Renu Jain, on the thesis title “**A study of basic hyper geometric function with special reference to quantum calculus**” on 28/10/2020 from Jiwaji University, Gwalior.
3. **Mrs. Archana Gupta** has been awarded Doctor of Philosophy (Ph. D) degree under the supervision of Dr.Akhilesh Tiwari, Professor & Head, Department of IT on the topic “**A Novel System for Mining Incremental Frequent Item set without candidate generation**” on 21st December, 2020 RGPV Bhopal(M.P.)..
4. **Mr. R.R Singh Makwana** has been awarded PhD on the topic “A framework for network forensics based on efficient packet capturing” under the supervision of Dr. D. S. Tomar, associate professor, department of computer science and engineering, from MANIT Bhopal.
5. **Mr. Mohan Kantharia** has successfully completed PhD under the supervision of Dr. Manoj Trivedi on topic “**Investigation of Mortar Property by mixing with nano materials**” in Oct 2020.

Congratulations!

INSTITUTE



FACULTY ACCOLADES

1. **Dr. Rajendra K. Pandit**, Director, MITS, Gwalior delivered an expert talk on “**Blended Learning**” in TEQIP-III sponsored FDP on “**Emerging ICT trends towards Atmanibhar Bharat**” organized by IIT Indore on 28th December 2020.
2. **Dr. Manjaree Pandit**, Department of Electrical Engineering & Dean academic MITS, delivered address as one of the panelist, on “**Challenges in Academic Leadership Development**” on 7th November 2020 in “**International Summit on Quality Indices in Higher Education (ISQIHE 2020)**” from 6-7 November 2020 organized by Delhi Technological University, Delhi (DTU) and Engineering Staff College of India (ESCI) {Track3: Governance, Policy & Leadership in Higher Education}Link:<https://www.youtube.com/watch?v=rQ9H8dakRcY&t=961s>
3. **Dr. Manjaree Pandit** from Department of Electrical Engineering delivered expert talk on “**Evolution of nature inspired optimization algorithms and applications**” on 4th December 2020 in AICTE Sponsored STTP on “**Application of Artificial Intelligence in Electrical and Electronics Engineering**”, Organised By Electrical & Electronics Department, LNCT GROUP, Bhopal from 30th Nov – 5th December 2020.
4. **Dr. Pratesh Jaysawal** from Department of Mechanical Engineering delivered an expert lecture in an AICTE sponsored STTP on “**Advanced Manufacturing and Materials**” organized by Department of Mechanical Engineering JSS Academy of Technical education, Noida on Dec 08, 2020.



MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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

5. **Dr. Pratesh Jaysawal** from Department of Mechanical Engineering chaired a session in AICTE sponsored second international conference on “Sustainable and Innovative Solutions for current challenges in engineering and technology” on December 18, 2020.
6. **Dr. C. S. Malvi** from Department of Mechanical Engineering delivered an expert lecture in the event “Swachhh Bharat Mission” organized by RKVM Gwalior on December 24, 2020.
7. **Dr. C. S. Malvi** from Department of Mechanical Engineering delivered an expert lecture on “Patent and IPR” at MITS Gwalior on December 10, 2020.
8. **Dr. C. S. Malvi** from Department of Mechanical Engineering delivered an expert lecture in the event “National Education Policy 2020 in the context of Research” organized by IIITM Gwalior on December 09, 2020.
9. **Dr M.K. Gaur** from Department of Mechanical Engineering delivered an expert lecture in AICTE (ATAL) organized by NIT, Raipur during December 09-10, 2020.
10. **Dr. Akhilesh Tiwari**, from Department of IT was convener in a two-day online national workshop organized on “Internet of Things (IoT) and Data Analytics” in the duration of 23rd-24th October, 2020 under CSE & IT Department.
11. **Dr. Akhilesh Tiwari**, from Department of IT was the resource person & convener in a five day online National Workshop organized on “Applied Computing” in the duration of 9th-13th November, 2020 under CSE & IT Department.
12. **Dr. Akhilesh Tiwari**, Professor & Head, Department of IT has chaired a technical session during the **Second International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology** (ICSISCET- 2020) held during 18th –19th December, 2020 in MITS, Gwalior.
13. **Dr. Shishir Dixit** from Department of CS/IT delivered an expert talk on **TPC** and Reviewer in 2nd International Conference on Enhanced Research and Industrial Application 2020 8 October 2020 - Yogyakarta, Indonesia International Conference on Enhanced Research and Industrial Application.
14. **Dr. Shishir Dixit** from Department of CS/IT delivered an expert talk on **TPC** and Session Chair in 12th IEEE International Conference (CICN 2020).
15. **Dr. Manish Dixit** from Department of Computer Science session Chair in ICSISCET-2020 at MITS, Gwalior during 18 - 19 December, 2020
16. **Prof. Jaimala Jha** from Department of Computer Science delivered one expert talk on: “**fundamentals of Artificial Intelligence**” on 4th Dec 2020 in Govt. Polytechnic Dr. Bhim Rao Ambedkar.
17. **Dr Valiur Rahaman** from Department of Applied Science & Humanities delivered expert lecture “**Practising OBE based Flip and Blended Pedagogy: Tools, Methods and Context**” in online Faculty Development Program on “**Recent Pedagogy and ICT Tools in Teaching and Research**” jointly organised by NIT Uttarakhand and IIT Roorkee. <https://youtu.be/A5Jumh6pJFw>.
18. **Dr Valiur Rahaman** from Department of Applied Science & Humanities delivered expert lecture on “**Queer Theory**” in online one week Faculty Development Programme on “**Contemporary Literary Theory**” organized by JRN Rajasthan Vidyapeeth Udaipur & RASE on 22.12.2020.

Activities (Workshop/Conference/FDP/STC) organized at Institute Level

1. **Dr. Manjree Pandit, Dean Academic and professor** Department of Electrical Engineering MITS organized TEQIP-III sponsored **Second International Conference on “Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology”** 18-19 December 2020. 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>).



Second ICSISCET-2020



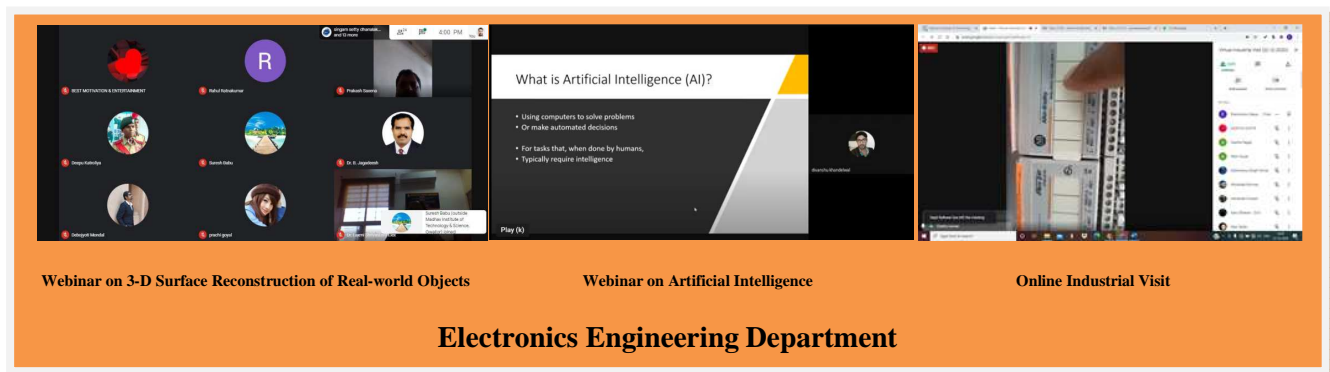
MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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

2. **Department of CSE & IT Department** organized two day online National Workshop on “**Internet of Things (IoT) and Data Analytics**” in the duration of 23rd -24th October, 2020 under.
3. **Department of CSE & IT Department** organized Five day online National Workshop on “**Applied Computing**” in the duration of 9th -13th November, 2020.
4. **Department of CSE & IT Department** organized a **Brainstorming session** for exploring research fund opportunities in India on 07/11/2020.



5. **Department of Electronics Engineering** organized a one day national level webinar on “**3-D Surface Reconstruction of Real-world Objects**” on 23.11.2020. Prof. Umesh C. Pati Professor, Department of Electronics and Communication Engineering, National Institute of Technology, Rourkela, Odisha, India was the expert for the session.
6. **Department of Electronics Engineering** organized a one day national level webinar on “**Virtual Labs**” on 04.12.2020. Mr. Manish Joshi, G.M. Scientech, Indore was the expert for the session.
7. **Department of Electronics Engineering** organized a one day national level webinar on “**5G Technology-Evolution, advancement & Challenges**” on 21.12.2020. Dr R P S Gangwar, Director, WIT, Dehradun was the expert for the session.
8. **Department of Electronics Engineering** organized a one day national level webinar on “**Artificial Intelligence**” on 29.12.2020. Mr. Divanshu Khandelwal, Data Scientist, Smart Control India Pvt. Ltd was the expert for the session.
9. **Department of Electronics Engineering** organized one day online **Industrial Visit** for the students of II years, at **IAV Integral Solution Pvt. Ltd.**, Indore on 22.12.2020. Students got familiarity about the I/O modules used in PLC. Students also got some idea about the ladder programming and functional block diagram techniques used for PLC operation.



10. **The Department of Architecture** at MITS in collaboration with ACEDGE, Ethos organized a **three-day** webinar series “**Architecture and the Future: A Rising Concern and the Way Forward**” on 20th, 21st and 22nd October. This lecture series specially curated for MITS Gwalior offered insights from esteemed architects and planners to design and plan for a relatively unknown future. It included discussions about emerging ideas in the fields of Architecture and Urban Design.
11. **The Department of Architecture**, MITS Gwalior organized a **webinar lecture series** on “**building materials and recent trends**” on 23rd Dec and 24th Dec that aimed to give students an industrial exposure at an early stage.
12. **Department of Electrical Engineering** organizes an online **debate activity** on “**Will robots reduce human employment?**” on 07th November 2020. The event coordinators were Prof. Kuldeep Swarnkar & Prof. Vishal Chaudhary.



MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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

FDP/STC Attended (Outside the Institute)

1. **Prof. Swati Gupta** from **Department of Chemical Engineering** attended STC “**Emerging ICT Trends towards Atmanirbhar Bharat**” during 28-30 December 2020 organized by IIT Indore.
2. **Vikas Shinde, D.K. Jain** and **J.K. Muthele**, **Department of Mathematics** attended one-week e-STTP on “**Computational Intelligence and its Applications**”, under TEQIP-III held on 19-23 October 2020 organized by Department of Electrical Engineering and Department of Management Studies Engineering College, Ajmer.
3. **Dr. Manish K Sagar**, **Department of Mechanical Engineering** participated in a short term course on “**Application of Forecasting Methods in Engineering and Business Problems**” during December 7 – 11, 2020 Organised by IIT Kharagpur and sponsored by AICTE.
4. **Prof. Vedansh Chaturvedi** and **Prof. Sharad Agrawal**, **Department of Mechanical Engineering** participated in AICTE Training And Learning (ATAL) Academy Online FDP on “**3D Printing & Design**” during Nov 09 - 13, 2020 at IIT Dharwad.
5. **Prof. Vedansh Chaturvedi**, **Prof. Jyoti Vimal** and **Prof. Sharad Agrawal**, **Department of Mechanical Engineering** participated in AICTE Training And Learning (ATAL) Academy Online FDP on “**Tribology in Design and Manufacturing**” during Nov 23 to 27, 2020 at IIT Jammu.
6. **Prof. Utkarsh Srivastava**, **Department of Mechanical Engineering** attended a workshop from December 21 to 23, 2020 on “**Internet of Things- Industry, Academia and start-up**” organized by IIT Hyderabad.
7. **Dr. Dharmendra Jain**, **Department of Mechanical Engineering** participated in a One Week All India Council for Technical Education (AICTE), New Delhi sponsored online Short-Term Training Programme (STTP) Series on “**Recent Advances In Tribology And Surface Engineering: Series 3 of 4 - Introduction to Special Topics like - Nanotribology, Biotribology, Space Tribology, Biomimetics and Tribology in Industry**”, organized by the Department of Mechanical Engineering of Saintgits College of Engineering, Kottayam from Oct12 to 17, 2020.
8. **Dr Amit Aherwar**, **Department of Mechanical Engineering** attended 05 days online Faculty Development Program on “**3D Printing & Design**” during Dec 07-11, 2020 organized by AICTE Training and Learning (ATAL) Academy at NIT, Patna.
9. **Prof. Narendra Singh Sikarwar**, **Department of Mechanical Engineering** participated in and International Summit on “**Quality Indices in Higher Education – 2020**”, held during November 6 to 7, 2020 at Delhi Technological University, Delhi.
10. **Mr.Vaibhav Shivhare**, **Department of Mechanical Engineering** participated in an online Faculty Development Programme on **ANSYS** during September 17-21, 2020 organised by Amrapali Institute of Technology and Science.
11. **Prof. Dhruv Maggu**, **Department of Mechanical Engineering** attended a NASSCOM training on “**3D Printing & Design**” organized at IIT Hyderabad between November 28 – December 02, 2020.
12. **Prof. Punit Johari**, **Department of CS/IT** participated in the TEQIP III sponsored E-Training Program/ Short-term course on “**Deep Learning for Computer Vision**” in the Department of Electrical Engineering from 26 November to 28 November at IIT Indore.
13. **Dr. Sanjiv Sharma**, **Department of CS/IT** attended a 10-days faculty e-training program on “**Data Science & Analytics**” organized by the Indian Institute of Technology Indore, held on December 07-18, 2020 Sponsored by Technical Education Quality Improvement Programme, NPIU.
14. **Prof. Rajeev K. Singh**, **Department of CS/IT** attended a five-day online national workshop on “**Recent Advance in Network Security and Blockchain Technology**” in the duration of 14th -18th December 2020 organized by IIT Indore.
15. **Prof. Shailendra Pratap Singh**, **Dr. Vikram**, **Department of Electrical Engineering** attended IIST Online FDP on **Control and Automation** from 15th -18th DEC 2020.
16. **Prof Aprajita Kumari**, **Department of Electrical Engineering** attended TEQIP III Short-Term Course on “**Deep Dive in Deep Vision**” from 7th to 9th December 2020.
17. **Prof. Pooja Sahoo**, **Dr. Karuna Markam** and **Dr. Vandana Vikas Thakre** from **Electronics Engineering Department** successfully completed course on **Gender Sensitization** at workplace 27th- 28th October 2020.
18. **Dr. Rahul Dubey** from **Electronics Engineering Department** successfully completed course on **Computational Methods in Signal Processing and Machine Learning** 14-19 Dec 2020.
19. **Dr. Rahul Dubey** from **Electronics Engineering Department** successfully completed course on **Artificial Intelligence Driven Biomedical Data Analysis for Disease Diagnosis** 09-10 Nov, 2020



MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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

20. **Dr. Laxmi Shrivastava** from **Electronics Engineering Department** successfully completed course on **Emerging ICT trends towards Atmanibhar Bharat** 28 – 30, December 2020.
21. **Dr. R. P. Narwaria, D K Parsediya** from **Electronics Engineering Department** successfully completed course on **Artificial intelligence, Blockchain and Internet of Things for 6G Communications** 03-05 December 2020.
22. **D. K. Parsediya** from **Electronics Engineering Department** successfully completed course on **Evaluation of RF Electromagnetics from Microwave to mmwave** technologies 19-23 December 2020.
23. **Dr. Manish Dixit**, **Department of CS Engineering** attended TEQIP-III 3-day FDP program on **Emerging ICT Trends Towards Atmanirbhar Bharat** by IIT Indore, During 28-30 December 2020.
24. **Prof. Amit Manjhar** **Department of CS Engineering** participated in International summit on **Quality Indices in higher education 2020**, held during 6th to 7th Nov 2020 at DTU.
25. **Prof. Amit Manjhar** **Department of CS Engineering** attended two day online national workshop on **Internet of Things (IOT) & Data Analytics** organized by MITS Gwalior, During 23-24 Oct 2020
26. **Prof. Lav Upadhyay** **Department of CS Engineering** online seminar "**Building a Career in Artificial Intelligence**" organized by IEEE on 7th Oct 2020.
27. **Prof. Lav Upadhyay** **Department of CS Engineering** TEQIP assisted course on "**Advance Digital Pedagogy and ICT Tools: Challenges and Opportunities in Online Teaching**" from 18th to 22nd November, 2020 organized by the IIT Roorkee
28. **Prof. Lav Upadhyay**, **Department of CS Engineering** online event "**Be a Tech-Blogger**" organized by IEEE student branch of MNIT Jaipur in association with IEEE Rajasthan Subsection on the occasion of IEEE DAY, 6th October 2020.
29. **Ms. Aishwarya**, **Department of CS Engineering** TEQIP course "**Image Processing using VLSI Architectures**" scheduled from 17-21 December, 2020 organized by the IIT Roorkee.
30. **Ms. Pooja Agrawal**, **Department of CS Engineering** participated in International summit on "**Quality Indices in higher education 2020**", held during 6th to 7th Nov 2020 at DTU.
31. **Ms. Pooja Agrawal**, **Department of CS Engineering** attended two day online national workshop on "**Internet of Things (IOT) & Data Analytics**" organized by MITS Gwalior, During 23-24 Oct 2020
32. **Ms. Pooja Agrawal**, **Department of CS Engineering** online Faculty Training on "**Internet of Things' (IOT)**" by IIT Indore during 7th – 11th December 2020
33. **Prof. Aditya Kumar Agarwal**, **Department of Civil Engineering** attended 1 week STC on "**Advancements in Civil Engineering at IIT Indore**" from 02 - 07 Nov 2020.
34. **Prof. Gautam Bhadoriya** **Department of Civil Engineering** attended 12 week FDP course on "Glass in building" from Sep to Dec 2020
35. **Prof. Deobrat Singh**, **Department of Civil Engineering** attended the TEQIP III sponsored Short-term course on "**Current Trends in Biomedical Signal and Image Processing**" organized by the Department of Electrical Engineering, IIT Indore during 20-22, October, 2020.
36. **Prof. Deobrat Singh**, **Department of Civil Engineering** attended an international summit on "**Quality Indices in Higher Education – 2020**", held during 6th to 7th November, 2020 at Delhi Technological University, Delhi.
37. **Prof. Umesh Guramwar** and **Dr. Garima Singh Baghel**, **Department of Applied Science & Humanities** attended a Three Days Online Workshop on "**Basics of English- The Crux of Communication**", organized by ADT's Shardabai Pawar Mahila Arts, Commerce and Science College, Shardanagar, during December 28-30, 2020.

NPTEL/ATAL/COURSERA/INTERNSHALA courses attended by the faculty

1. **Prof. Swati Gupta**, **Department of Chemical Engineering** attended ATAL FDP "Green Technology & Sustainability Engineering" during 05-10-2020 to 09-10-2020 organized by Punjab Engineering College.
2. **Prof. Anish P. Jacob**, **Department of Chemical Engineering** successfully completed 8 weeks NPTEL course/FDP on "Bio MEMS & Micro Fluidics" with Elite+ Silver Certificate (Sept-Nov-2020).
3. **Prof. Anish P. Jacob**, **Department of Chemical Engineering** successfully completed 12 weeks NPTEL course/FDP on "Fundamentals of Artificial Intelligence" with Elite+ Silver Certificate (Sept-Dec-2020).
4. **Prof. Sulochana Nagar**, **Department of Chemical Engineering** attended ATAL FDP "Green Technology and Sustainability Engineering" during 08-12 Dec 2020 organized by NIT Raipur.
5. **Prof. Sulochana Nagar**, **Department of Chemical Engineering** attended completed 8 weeks NPTEL course/FDP on "Natural Gas Engineering" with Elite+ Silver Certificate (Sept-Nov-2020).



MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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

6. **Dr. Rakesh Kumar Dubey, Department of Chemical Engineering** attended ATAL FDP "Green Technology and Sustainability engineering" during 08-12 Dec 2020 organized by NIT Raipur.
7. **Dr. Rakesh Kumar Dubey, Department of Chemical Engineering** attended ATAL FDP "Electrochemical Energy Conversion and Storage" during 23-27 Nov 2020 organized by IIT Roorkee.
8. **Dr. Rakesh Kumar Dubey, Department of Chemical Engineering** successfully completed 4 weeks NPTEL course on "Unit Operations of Particulate Matter" with Elite+ Silver Certificate (Sept-Oct-2020).
9. **Dr. Vikas Shinde, Dr. D.K. Jain, Dr. J.K.Muthele and Prof. S.K. Bharadwaj Department of Mathematics** attended an NPTEL FDP Course Conducted online, of 12 weeks on 'Introduction to Methods of Applied Mathematics' from Sep-Dec. 2020.
10. **Ms. Hemlata Arya, Department of Mathematics** attended one-week AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 14/11/2020 to 18/11/2020 at Indian Institute of Technology, IIT Goa.
11. **Prof. Vedansh Chaturvedi, Department of Mechanical Engineering** successfully completed an online NPTEL course on 'Solar Energy and Engineering Technology'.
12. **Prof. Dheeraj Gurjar, Department of CS/IT** successfully completed the course on "Data Structure and Algorithm using Java" From SWAYAM-NPTEL during Aug-Dec 2020 (12-week course).
13. **Dr. Sanjeev Khanna, Department of CS/IT** department of humanities Completed NPTEL Workshop on Literary Theory (08 Weeks).
14. **Prof. Vishal Chaudhary, Department of Electrical Engineering** attended AICTE Training and Learning (ATAL) Academy Online FDP on "Energy Engineering" organized by National Institute of Technology Agartala from 23rd to 27th November 2020.
15. **Prof. Shailendra Pratap, Department of Electrical Engineering** Singh attended AICTE ATAL Sponsored FDP on Application of AI in Engineering from 14th -18th DEC 2020.
16. **Dr. Shishir Dixit, Department of Electrical Engineering** attended AICTE Training and Learning (ATAL) Academy Online FDP on "Energy Engineering" at National Institute of Technology Agarta from 23rd to 27th NOV 2020.
17. **Dr. Shishir Dixit, Department of Electrical Engineering** Online Faculty Development Program AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" at Institute of Engineering and Technology Devi Ahilya University Indore FROM 13TH TO 17TH October 2020.
18. **Dr. Karuna Markam, Prof. Pooja Sahoo, Dr. Vandana V. Thakare** from **Electronics Engineering Department** successfully completed ATAL FDP on "Sensors Technology" 01-05 October 2020.
19. **Deepak Batham** from **Electronics Engineering Department** successfully completed ATAL FDP on "Photonics" 20-24 October 2020.
20. **Prof. Pooja Sahoo, Dr. Karuna Markam, Dr. Vandana Vikas Thakre** from **Electronics Engineering Department** successfully completed NPTEL An introduction to coding theory September-November 2020.
21. **Dr. R. P. Narwaria, Prof. D K Parsediya** from **Electronics Engineering Department** successfully completed NPTEL FDP course on Laplace transform Sep.- Oct 2020.
22. **Dr. Manish Dixit, Department of Computer Science Engineering** attended 8 weeks FDP on Computer Graphics in NPTEL.
23. **Prof. Lav Upadhyay Department of Computer Science Engineering** AICTE Training And Learning (ATAL) Academy Online FDP on " Block chain" from 2020-11-2 to 2020-11-6 at Indian Institute of Information Technology Dharwad.
24. **Prof. Amit Manjhar Department of Computer Science Engineering** Attended ATAL online FDP on Cyber Security from 07/12/2020 to 11/12/2020 organized by IITBHILAI.
25. **Prof. Amit Manjhar Department of Computer Science Engineering** Attended ATAL online FDP on Data Sciences from 14/12/2020 to 18/12/2020 organized by IITV.
26. **Prof. Mahesh Parmar** Attended ATAL online FDP on Data Sciences from 14/12/2020 to 18/12/2020 organized by IITV.
27. **Ms. Aishwarya Department of Computer Science Engineering** attended 6 weeks course on Mathematical Thinking in Computer Science on Courseera.
28. **Prof. Jaimala Jha Department of Computer Science Engineering** attended FDP on DBMS in NPTEL.
29. **Prof. Jaimala Jha Department of Computer Science Engineering** Attended two day online national workshop on Internet of Things (IOT) & Data Analytics organized by MITS Gwalior, during 23-24 oct 2020.



MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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

30. **Prof. Jaimala Jha** Department of Computer Science Engineering Attended three days online TEQIP III Sponsored FDP on Emerging ICT trends Towards Atmanirbhar Bharat organized by IIT Indore during 28-30 Dec. 2020.
31. **Prof. Parul Saxena** Department of Computer Science Engineering attended two day online national workshop on Internet of Things (IOT) & Data Analytics organized by MITS Gwalior, during 23-24 Oct 2020.
32. **Prof. Parul Saxena** Department of Computer Science Engineering attended ATAL online FDP on Internet of Things from 14/11/2020 to 18/11/2020 organized by IIT Goa.
33. **Prof. Parul Saxena** Department of Computer Science Engineering Attended ATAL online FDP on Leadership and Excellence from 23/11/2020 to 27/11/2020 organized by NIT.
34. **Prof. Mohit Aggarwal** Department of Civil Engineering attended ATAL FDP on Green Technology & Sustainability Engineering during 7-11 Dec, 2020
35. **Prof. Nupur Verma** Department of Civil Engineering Completed online course on "Python Data Structures" in October, 2020 offered through Coursera.
36. **Dr. M.K. Trivedi** Department of Civil Engineering attended course "Project planning and Control" in NPTEL.
37. **Dr. Anjula Gaur**, Department of Applied Science completed successfully a 12 week online NPTEL course on Analytical Chemistry.
38. **Dr. Valiur Rahaman** Department of Applied Science & Humanities attended one-week ATAL FDP on "Capacity Building for Teaching Effectiveness" from 5th Oct-9 Oct 2020 at Dept of English, Dr Hari Singh Gaur University Sagar (MP).
39. **Prof. Umesh Guramwar** and **Dr. Garima Singh Baghel** Department of Applied Science & Humanities attended a TEQIP workshop on "Advanced Pedagogy for Efficient Online Teaching During the Pandemic like crisis " organized by IIIT Roorkee, during December 14-18, 2020
40. **Prof. Umesh Guramwar** and **Dr. Garima Singh Baghel** Department of Applied Science & Humanities attended a TEQIP Workshop on "Pedagogies of online teaching and evaluation: pre and post Covid" organized by IIIT Roorkee, during December 07-11, 2020
41. **Dr. Valiur Rahaman** Department of Applied Science & Humanities completed Creative Writing Specializing course "Creative Writing: The Craft of Plot" Wesleyan University, Connecticut. Grade A+ (Dec 2020).
42. **Dr. Valiur Rahaman** Department of Applied Science & Humanities completed 6-month course LaTeX101x: LaTeX for Students, Engineers, and Scientists, IIT Bombay X, IIT Bombay. Honor Code Certificate with Grade A+ (Dec 2020).

Project undergoing

S.N	FACULTY	AGENCY	TITLE	STATUS
1.	Dr. M.K.Gaur	AICTE NEW DELHI	Performance Investigation of Solar Thermal system for sustainable Built Environment	Ongoing
2.	Dr. C.S. Malvi	TEQIP-III	Combined power and heat generation through, solar panel using phase change material	Ongoing
3.	Prof. Vedansh Chaturvedi	TEQIP-III	Design of Electrodes shade for optimization of ECM process parameters using hybrid Taguchi method for rotational jobs	Ongoing
4.	Prof. Vaibhav Shivhare	TEQIP-III	Experimental Analysis of Human Lumbar Vertebrae during prolonged sitting and distance Driving.	Ongoing
5.	Dr. Amrat Kumar Dhamneya	AICTE TEQIP-III	Performance Enhancement of solar Distillation systems using nanoparticles	Ongoing
6.	Dr. Dharmendra Jain	AICTE TEQIP-III	3D Modelling & Finite Element Analysis of Bio structure from CT Scan & MRI Data	Ongoing
7.	Dr. Naresh Kumar Raghuwanshi	AICTE TEQIP-III	Analysis and control of noise pollution in hospitals	Ongoing



MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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

8.	Mr Neeraj Mishra	AICTE TEQIP-III	Design and Development of Portable Gnathodynamometer	Ongoing
9.	Dr. Pankaj Kumar	CRS Project	Nonlinear Mechanics of Elasto-Flexible Cables using Placement Model.	Ongoing
10.	Dr. Pratesh Jayaswal	AICTE	Skill and Personality Development Program for Centre of SC/ST Students	Ongoing
11.	Dr. C.S. Malvi	AICTE	Modernization of Theory of Machine Lab	Ongoing
12.	Dr. Naresh Kumar Raghuwanshi	AICTE TEQIP-III	Analysis and control of noise pollution in hospitals	Ongoing
13.	Dr. M.K.Gaur	AICTE NEW DELHI	Advanced Refrigeration and Air Conditioning Lab	Completed
14.	Dr. C.S. Malvi	AICTE NEW DELHI	Development of Solar Multipurpose power unit	Completed
15.	Dr. C.S. Malvi	Project ID – PG2015032	Sustainable Paper Recycling Plant	Completed
16.	Dr. M.K.Gaur	AICTE NEW DELHI	Heat and Mass Transfer Analysis of Hybrid Solar Dryer with Uniform Heating	Completed
17.	Dr. C.S. Malvi	AICTE NEW DELHI	Development of Mechanics of Material Lab	Completed
18.	Dr. M.K.Gaur	AICTE NEW DELHI	Performance Analysis of Solar Operated Vapour Absorption Refrigeration Cycle	Completed
19.	Dr. Manoj Trivedi	IRS TEQIP3	“Multi-objective optimization using NSGA III	Ongoing
20.	Dr. Manoj Trivedi	RPS AICTE	Development of optimum front for Time-Cost trade-off for construction	Ongoing
21.	Dr Valiur Rahaman	AICTE-NPIU CRS	“Cognitive Literary Studies for the Progress of Computational Cognitive Modeling: A Humanities Approach to Technological”	Ongoing

Book Chapter Published

- ✚ **Vikas Shinde and S.K. Bharadwaj** published book chapter “**Selection of Hospital Using Integrated Fuzzy AHP and Fuzzy TOPSIS Method**” as a Book Title. “Soft Computing Applications and Techniques in Healthcare” (Taylor & Francis), Vol. 1, pp.71-96.,(2020),
DOI: <https://doi.org/10.1201/9781003003496>
- ✚ **Altaf Ahmad Bhat, Fozia S. Qazi, and D. K. Jain** published book chapter “**Generating Functions of (p,q)-Analogue of I-Function Satisfying Truesdell’s Ascending and Descending Fp;q-Equation**”, in Springer Nature Studies in Computational Intelligence Vol.916, Title of Chapter: Dec. 2020, DOI: <https://doi.org/10.1007/978-981-15-7571-6> © The Editor(s) Springer Nature, Indexed by SCOPUS.
- ✚ **Valiur Rahaman and Sanjiv Sharma** “**Basic modeling of 'cognitive sensors' based on literary study of 'thick description' of human behavior**” ,Book Title: Advances in Modern Sensors, Physics, design, simulation and applications Published November 2020 ,Copyright © **IOP Publishing Ltd** 2020 Pages 16-1 to 16-15 Online ISBN: 978-0-7503-2707-7 , Nov 2020. DOI: <https://doi.org/10.1088/978-0-7503-2707-7ch16>.

Club/Cell/Chapters Organized Activities

- **Chemical Engineers Club** Organized online quiz competition, Interaction with seniors and cultural activities for newly admitted B.Tech. Chemical Engineering students during induction program-Dec-2020.
- **Career Counseling Club** organized a national level webinar on 20/12/2020.
- **Career Counseling Club** organized an national level Webinar “Mock Placement Preparation” on 21 November 2020 with the collaboration of Holistic health club MITS.



MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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

- Anuj Kumar Singh department of mechanical engineering organized an online chess tournament on Nov 28, 2020 at MITS Gwalior. More than 300 students participated in this college level event.
- A Brainstorming Session -II was organized for implementing NISP Policy on 05/12/2020 under **Startup Cell**.
- A Brainstorming Session-I was organized for implementing NISP Policy on 24/10/2020 under the **Startup Cell**.
- **Digital Learning Group club** organized a webinar on “Effective Resume Building” on 11th October 2020. Total 89 students attended in this webinar.
- **Digital Learning Group club** organized a webinar on “Journey from MITS Gwalior to Director at IIT Kanpur” on 8th November 2020. Total 96 students attended in this webinar.
- **Digital Learning Group club** organized an event named “Diwali: be the light” under” for the duration of 11th - 13th November 2020. Total 12 students participated in this event.
- **ISTE Students’ Chapter** MITS organized an event CAREER LAB on dates 17 October 2020.
- **ISTE Students’ Chapter** MITS organized an event CAREER MASTER CLASS on dates 18 October 2020.
- **ISTE Students’ Chapter** MITS organized an event CODESY on dates 19 October 2020.
- **IETE Student Forum** MITS Gwalior organized Women Leadership in Science and Technological Development on date 8th November 2020
- **IETE Student Forum** MITS Gwalior organized Two Days online conference on Topic "Next Generation Communication" date 21- 22 November 2020.



Students Achievement

1. **Ashutosh Kushwansi**, Department of Mechanical Engineering was one of the 180 students who received the certificate from **Hero Moto Corp Ltd.** in Hero Campus Challenge Season 6 organized on December 21, 2020 in which 35,000 candidates participated for presenting solutions to the problem given by Hero Moto Corp Ltd.
2. **Muskan Sihare** from Department of Computer Science Engineering student has attended one week FDP on Artificial intelligence and deep learning by G Pulla Reddy Engg. College and **one week online Workshop** on employability skills by NIT Nagpur.
3. **Pooja ahirwar** from Department of Computer Science Engineering student has attended 3 day **webinar on java script** by IETE and also attended and secured first rank in Quarantine shots photography competition by photography club MITS Gwalior.
4. **Rohit Asthana** B.Tech 3rd Year has completed **Army attachment training camp** with 837 field workshop company EME under the aegis of Headquarters 636 EME Bn from 01 Oct 2019 to 15 Oct 2019
5. **Arnav Shukla**, 5th year student of Architecture Department, design entry was shortlisted amongst the top 50 Entries in the International competition, “**Attendance - Reconfiguring Government Schools in India**” hosted by Archmello with Sanjay Puri Architects as the jury.
6. **Trisha Patidar**, 5th year student of Architecture Department entry to India’s first ever sprint design contest named “**Tomorrow’s house 7D Booster Sprint Design Contest**” was shortlisted amongst the Top 45 entries.
7. **Vanshika Bithhariya, Brijmohan Kushwah, Sandeep Dhakkar, Dev Kansana and Rishika Sood** 4th year students of Architecture Department, were awarded the ‘**Designer’s Choice Award**’ in the **Adaptive Reuse Design Competition** hosted by ‘**Design Class, California**’ in the month of October.
8. **Priya Patel, Hemant Sharma, Anirudh Maheshwari and Bhoopendra Soni** 4th year students, of Architecture Department were shortlisted amongst the top 37 Finalists in the ‘**International Activating Duplitecture**’ design competition organised by DOCEXDOCE in the month of October.
9. **Radhika Agarwal, Shivanie Khanka, Dev Kansana and Tulika Upadhyay**, 4th year students of Architecture Department were shortlisted amongst the top 37 Finalists in the ‘**International Activating Duplitecture**’ design competition organized by DOCEXDOCE in the month of October.



MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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

10. **Rishika Sood**, 4th year student of Architecture Department was shortlisted as Finalist in the ‘**International Digital Infrastructure Student Idea Challenge 2020**’ organized by the Bentley Institute in October. From a total of 1400 global participants in the competition, 18 Finalists were selected who were then invited to participate in the Finale and interact with the jury.
11. **Namita Agarwal and Hemant Sharma**, 4th year Students of Architecture Department shortlisted in Top 50 nationwide in “**Gully Street Design Competition Level 1**” hosted by “Oculus India”.
12. **Namita Agarwal**, 4th year student of Architecture Department was awarded with the honorable mention in the open call “**Designing with Words**”.

Publications

1. **Naseer Ahmad Malik, Farooq Ahmad and D.K. Jain** “The theoretical overview of the Hartley Transform and the Generalized R- Function”, Jnanabha, Volume 50, Number 1, Pages 158-163 ISSN: 0304-989, <http://www.vijnanaparishadofindia.org/jnanabha/volume-50-no1-2020/p16>, Indexed in UGC Care and Google Scholar.
2. **Naseer Ahmad Malik, Farooq Ahmad and D.K. Jain**: Study of S-function in Relationship with Fractional Hilfer-Prabhakar Derivative, Gedrag & Organization Review, Volume 33, Number 3, Pages 16-21 ISSN: 0921-5077, <https://www.doi.org/10.37896/GOR33.03/402>, Indexed in Web of Science and UGC Care.
3. **Altaf Ahmad Bhat, AsifaTassaddiq, D. K. Jain and HumeraNaaz**: New generating functions of I-function satisfying Truesdell’s Fq-equation, Advances in Difference Equations, Article number: 464; Springer open Journal <https://doi.org/10.1186/s13662-020-02912-6> (Indexed in SCI Expanded or Web of Science/Scopus) Impact factor:1.72, ISSN:1687-1839(P), 168-1847(O)
4. **J. K. Muthale**, Performance of Bulk Queue under Vacation and Interruption, Advances and Applications in Mathematical Sciences Volume 19(10), PP. 969-986.
5. **Hemlata Arya**, effect of change of antenna model with the variation of pause time for reactive and hybrid routing protocols in mobile ad-hoc networks, International Journal of Scientific & Engineering Research (IJSER), ISSN 2229-5518, Volume 7 Issue 4, pp. 13-17.
6. **Manish Belwanshi, Pratesh Jayaswal, Amit Aherwar**, “A study on tribological effect and surface treatment methods of Bio-ceramics composites”, Materials Today: Proceedings, Elsevier. DOI: [10.1016/j.matpr.2020.10.458](https://doi.org/10.1016/j.matpr.2020.10.458).
7. **Vishesh Kumar Anand, Amit Aherwar, Mozammel Mia, Omer Elfakir, Liliang Wang** “Influence of silicon carbide and porcelain on tribological performance of Al6061 based hybrid composites”, Tribology International, Elsevier.
8. **Rajeev Goyal , Arvind K Upadhyay , Sanjiv Sharma** , “Collaborative Filtering Techniques for Trust Prediction in Online Social Network” International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology, ICSISCET 2019: Intelligent Computing Applications for Sustainable Real-World Systems pp 503-512 Online ISBN978-3-030-44758-8, Publisher Name Springer, Cham, 2020. DOI: https://doi.org/10.1007/978-3-030-44758-8_46
9. **Nikhil Paliwal, Laxmi Srivastava, Manjaree Pandit**, “Application of grey wolf optimization algorithm for load frequency control in multi source single area power system”, Evolutionary Intelligence, <https://doi.org/10.1007/s12065-020-00530-5>, November 2020.
10. **Deepak Batham, D.S. Yadav**, “HPDST: Holding pathlength domain scheduled traffic in multi-domain optical networks”, Optik-International Journal of Light and Electron Optics (Elsevier), Volume 222, Nov 2020 <https://doi.org/10.1016/j.ijleo.2020.165145>.
11. **Deepak Batham, S.K. Pathak, D.S. Yadav, S.Prakash**, “A traffic scheduling strategy based on cost function for differentiated class of service in multi-domain optical networks”, Optical Fiber Technology (Elsevier), Volume 60, Dec 2020, <https://doi.org/10.1016/j.yofte.2020.102337>.
12. **Shruti Dixit, Deepak Batham, R.P. Narwaria**, “Cost function based class of service provisioning strategy in elastic optical networks”, International Journal of Communication Systems (Wiley), 2020. DOI: <https://doi.org/10.1002/dac.4634>.
13. **Sampurna Panda*, Manoj Gupta, CS Malvi**,” Advances in perturb and observe based MPPT algorithm”, WEENTECH Proceedings in Energy, vol. 6(2), pp. 21-27, <https://doi.org/10.32438/WPE.060245>.
14. **Deepak *, Shubham Srivastava, C. S. Malvi**,” Light sources selection for solar simulators: A review”, WEENTECH Proceedings in Energy, vol. 6(2), pp. 28-46, <https://doi.org/10.32438/WPE.060257>.



MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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

15. **Shubham Srivastava *, Deepak , C. S. Malvi,** "Application of nano-PCMs in solar Photovoltaic", WEENTECH Proceedings in Energy, vol. 6(2), pp. 47-58, <https://doi.org/10.32438/WPE.060259>
16. **Prof. M.K. Trivedi** published book chapter of "Intelligent Computing Applications for Sustainable Real-World Systems" <http://www.springer.com/gp/book/9783030447571>
17. **Prof. M.K. Trivedi** published a Journal paper on "Latin Hypercube sampling based multi-mode resource constrained time-cost-quality-safety trade-off optimization model for construction projects" in International Journal of Construction Management (Taylor and Francis) <https://doi.org/10.1080/15623599.2020.1843769>.
18. **Punit Kumar Johari and Rajendra Kumar Gupta,** "An Improved Image Retrieval by Using Texture Color Descriptor with Novel Local Textural Patterns" International Journal of Advanced Computer Science and Applications (IJACSA), 11(9), 2020. DOI: [10.14569/IJACSA.2020.0110932](https://doi.org/10.14569/IJACSA.2020.0110932).

❖ Conference Publication

1. **Vishal Chaudhary, Hari Mohan Dubey, Manjaree Pandit,** "Combined Heat-Power Economic Emission Dispatch for a Microgrid using Coyote Optimization" presented in AICTE Sponsored Two-day International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology "ICSISCET 2020" during 19th-20th December 2020 at MITS Gwalior.
2. **Vinay Kumar, Shishir Dixit,** Modified DC-DC Converter for integration of Energy sources in Second International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET- 2020)" December 18 - 19, 2020.
3. **Kingshuk Roy, Laxmi Srivastava, Shishir Dixit,** "MVO Based Approach for Optimal DG and Capacitor Allocation" in Second International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET- 2020)" December 18 - 19, 2020.
4. **Rajput S.K., Dheer D.K., Wadhvani S.,** "Improving Energy Efficiency of Ring Frame Motor of Textile Industry", December 2020 ICSISCET, Madhav Institute of Technology & Science, Gwalior, MP. India.
5. **Kingshuk Roy, Laxmi Srivastava, Shishir Dixit,** "MVO Based Approach for Optimal DG and Capacitor Allocation" in Second International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET- 2020)" December 18 - 19, 2020.
6. **Vinay Kumar, Shishir Dixit,** Modified DC-DC Converter for integration of Energy sources in Second International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET- 2020)" December 18 - 19, 2020.
7. **Prof. Pranshi Jain and Prof. Richa Mishra** presented paper in National Conference CIMA 2020-Cultural Identities: Manifestation through Architecture, 28 November 2020, organised by vastu kala academy and Indira gandhi national center for the arts on topic " Gwalior Fort: From a defense structure to epitome of art, culture and architecture.
8. **Rishika Sood and Dr. Anjali S. Patil** presented their research paper titled "Analysis and Review of Kinetic Facades in Kolding Campus, South Denmark University" in the AICTE Sponsored Second International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering and Technology (ICSISCET-2020) organised by Madhav Institute of Technology and Science on 18th and 19th December.

TEAM NEWS LETTER

Advisor-Dr. Rajeev Kansal (Dean S/W)

Editor- **Prof. Pooja Sahoo - Incharge E-News Letter**

Technical Team: -

1. Mrs. Jyotsana singh
2. Mr. Abhishek Bansal

Editorial Board Team:-

1. Dr. Shourabh Bhattacharya
2. Prof. Aditya Kumar Agarwal
3. Prof. Amit Kumar Manjhwra
4. Ar. Pranshi Jain

MEDIA COVERAGE

एमआईटीएस के आर्किटेक्चर विभाग में वेबिनार आयोजित

ग्वालियर • डीबी स्टार

एमआईटीएस के आर्किटेक्चर एवं प्लानिंग विभाग में तीन दिवसीय वेबिनार का आयोजन किया गया। सबसे पहले पुणे की डॉ. वसुधा गोखले ने आर्किटेक्चर में आने वाले बदलाव और कोविड-19 पर चर्चा की। इसी क्रम में कोच्चि के जिल्स फिलिप ने आर्किटेक्चर और संवेदनशीलता पर विचार रखे। इसके बाद बंगलुरु की माधुरी राव ने भी विचार रखे। वक्ता सागर



तुलशन ने अतीत, वर्तमान और भविष्य में देश-दुनिया के लिए चुनौती विषय पर कहा कि आने वाले समय में एक आर्किटेक्चर की जिम्मेदारियां और ज्यादा होना हैं। इसकी प्लानिंग हमें अभी से करनी होगी। वेबिनार में मैनिट भोपाल के डॉ. मनमोहन कापसे सहित अन्य वक्ताओं ने भी विचार रखे। इस वेबिनार से संस्थान के डायरेक्टर डॉ. आरके पंडित, समन्वयक डॉ. एसएस जादौन और असिस्टेंट प्रोफेसर ऋचा मिश्रा सहित प्रतिभागी ऑनलाइन जुड़े।

इंजीनियरिंग में प्रवेश अब 30 नवंबर तक, 1 से लगेंगी कक्षाएं

आईसीएसआई: सीएस एकजीक्यूटिव प्रोग्राम के ऑनलाइन क्लैश कोर्स 16 से होगा शुरू

सिटी रिपोर्टर ऑल इंडिया कार्डिनल फॉर टेक्निकल एजुकेशन (एआईसीटीई) ने अकादमिक सत्र 2020-21 में सभी यूनिवर्सिटी और इंस्टीट्यूट में इंजीनियरिंग कोर्स में अब 30 नवंबर तक प्रवेश को अनुमति दी है। इंजीनियरिंग की कक्षाएं 1 दिसंबर से शुरू होंगी। एआईसीटीई ने इस संबंध में रिवाइज्ड कैलेंडर वेबसाइट पर अपलोड किया है। इससे पहले एआईसीटीई ने प्रवेश की अंतिम तारीख 20 अक्टूबर तक थी, लेकिन अब इसे बढ़ाकर 30 नवंबर कर दिया गया है। पहले इंजीनियरिंग, फार्मसी, आर्किटेक्चर का सत्र 16 अगस्त से शुरू होना था, लेकिन अब इसे स्थगित कर दिसंबर से शुरू किया जाएगा।

द इंस्टीट्यूट ऑफ कंपनी सेक्टरिय ऑफ इंडिया (आईसीएसआई) की ओर से सीएस एकजीक्यूटिव प्रोग्राम माइक्रो-1 और 2 के लिए ऑनलाइन क्लैश कोर्स की शुरुआत होने जा रही है। यह 16 नवंबर से 9 दिसंबर तक के लिए होगा। माइक्रो-1 की क्लास रोजाना सुबह 10 से दोपहर 12 बजे तक रहेगी। वहीं माइक्रो-2 की ऑनलाइन दोपहर 3 से शाम 5 बजे तक रहेगी। इसका फायदा यह होगा कि जो विद्यार्थी दिसंबर में होने वाली परीक्षा में शामिल हो रहे हैं। वे बेहतर ढंग से तैयारी कर सकेंगे, क्योंकि कोविड-19 की वजह से फिजिकल क्लास इस बार नहीं लगा पा रही है। इसे देखते हुए आईसीएसआई यह कोर्स शुरू करने जा रहा है।

एमआईटीएस में ऑनलाइन हुआ 1400 नए छात्रों का परिचय

ग्वालियर। माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस ग्वालियर में पांच दिन के इंडक्शन प्रोग्राम का आयोजन संस्थान में विशिष्ट रूप से बनाए गए ऑनलाइन प्लेटफॉर्म मूडल पर किया गया। इस कार्यक्रम में संस्थान में नए सत्र 2020-21 में प्रवेशित सभी 1400 विद्यार्थियों ने भाग लिया। कार्यक्रम के प्रथम दिन सभी बोर्ड मेंबर एवं निदेशक डॉ. आरके पंडित ने अपने-अपने ऑनलाइन वीडियो के माध्यम से सभी छात्रों को संबोधित किया। साथ ही संस्थान के पुराने बैच के एल्युमिनी इंजीनियर विजय कालरा (चेयरमैन महिंद्रा इंस्टीट्यूट ऑफ क्वालिटी), इंजीनियर आशुतोष चिंचोलकर (फाउंडर, सीईओ, स्मार्ट कंट्रोल इंडिया लि.), सौरभ सचदेव (डायरेक्टर सेल्स फॉर्स डोट कॉम), उमेश मिश्रा (फाउंडर एडजुकेटोर्स) एवं नाइला पंडित (लीड इंजीनियर क्वाल कॉम इंडिया) ने छात्र-छात्राओं से अपने अनुभवों को साझा किया एवं मार्गदर्शन दिया।



डॉ. मंजरी पंडित ने नए छात्र-छात्राओं को संस्थान की एकेडमिक गतिविधियों से परिचित कराया। प्रथम दिन के अंतिम चरण में विद्यार्थियों के लिए ऑनलाइन विजय का आयोजन किया गया। कार्यक्रम में संस्थान के विभिन्न विभागों के प्रभारियों ने अपने विभाग की जानकारी प्रदान करते हुए की। जिनमें मुख्य रूप से संस्थान के डीन स्टूडेंट वेलफेयर, एजाम कंट्रोलर, प्रभारी रजिस्ट्रार, ट्रेनिंग एंड प्लेसमेंट ऑफिसर, आई एम एस प्रभारी, मूडल प्रभारी एवं कल्चरल प्रोग्राम की प्रभारी डॉ अंजलि पाटिल मौजूद रहे। कार्यक्रम में नए प्रवेशित छात्र छात्राओं ने अपने-अपने विभागों में आयोजित इंडक्शन कार्यक्रम में भी भाग लिया।

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. सुमंज दत्ता राव ने भी अपने विचार रखे तथा इसके फायदे प्रतिभागियों को बताए। वहीं साउथ एशियन यूनिवर्सिटी नई दिल्ली के डॉ. जेसी बंसल ऑटोमोबाइलेशन 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।

‘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 इन्वेंटिव 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 रिज्यू एवं प्रेजेंटेशन के लिए चुने गए। कार्यक्रम को एनबीए के चेयरमैन डॉ. केके अग्रवाल, लिवरपूल विश्वविद्यालय यूके की डॉ अनुराधा राणासिंह, डॉ पी एन सुगनथन आदि ने संबोधित किया।

एमआईटीएस : कॉन्फ्रेंस में रिज्यू एवं प्रजेंटेशन के लिए चुने गए 68 पेपर टेक्नोलॉजी तेजी से बदल रही, 3 साल से ज्यादा लंबी योजना बना पाना संभव नहीं

प्रक्रिया 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 ही 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 इन्वेंटिव सॉल्यूशंस फॉर करंट चैलेंजेस इन इंजीनियरिंग एंड टेक्नोलॉजी' विषय पर आयोजित हुई।



सस्टेनेबिलिटी और अविष्कार एक दूसरे को प्रेरक हैं

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

रोबोट का मानवजाति से संबंध

दक्षिणकन्नडा संस्थान के प्रथम स्पीकर नरंजन विद्याविद्यालय सिंगापुर के डॉ. पीएन सुगनथन ने स्पष्ट नेटवर्क के बारे में जानकारी देते हुए रेडम वेकर फंक्शनल थिंक च्युरल नेटवर्क के बारे में बताया। लिवरपूल विश्वविद्यालय यूके की डॉ. अनुराधा राणासिंधि ने रोबोट और मानवजाति के साथ संबंध बताया। उन्होंने नेत्र विहीन लोगों को रोबोट द्वारा मदद करने पर डिस्कशन किया। उन्होंने फिगर टेबिलिटी डिवाइस एवं कोर्न डिटेक्शन पर हुए रिसर्च पर भी चर्चा की।



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 एनजी, वेस्ट मैनेजमेंट, वॉटर रिसावकमल आदि प्रमुख हैं। इंजीनियर

रमेश अग्रवाल ने बताया कि संस्थान के पोवर लेब की मशीन तत्कालीन महाराज ने जर्मनी एवं इंग्लैंड से मंगाई थी। उद्घाटन सत्र की शुरुआत कॉन्फ्रेंस की को-ऑर्डिनेटर डॉ. मंजरी पंडित ने की।

इंजीनियरिंग कॉलेजों में आर्टिफिशियल इंटेलिजेंस सहित 15 नई ब्रांच हुईं शुरू

ग्वालियर • डीबी स्टार

तकनीकी शिक्षा विभाग द्वारा बॉर्ड के लिए ऑनलाइन एडमिशन प्रक्रिया आयोजित की जा रही है। इस बार प्रदेश के इंजीनियरिंग कॉलेजों में आर्टिफिशियल इंटेलिजेंस, इंटरनेट ऑफ थिंग्स, डेटा साइंस आदि क्षेत्रों में नई ब्रांच में एडमिशन रिचू जा रहे हैं। इनमें स्टूडेंट्स दिव (ईसी), इनफार्मेशन भी ले रहे हैं। वहीं सत्र 2020-21 में स्टूडेंट्स कंयूरट साइंस इंजीनियरिंग (सीएसई) ब्रांच से इंजीनियरिंग की पढ़ाई करने

करने के लिए अधिक रद्धान दिखा रहे हैं। विभाग के अनुसार इस बार अलग-अलग कॉलेजों में सीएसई में एडमिशन के लिए 1,50,495 बार च्याइंस लोक की गई है। जो कि अन्य ब्रांच की तुलना में तीन गुना अधिक है। वहीं सिविल इंजीनियरिंग से अधिक मैकेनिकल इंजीनियरिंग, इलेक्ट्रिकल एंड कम्प्यूटेशन (ईसी), इनफार्मेशन टेक्नोलॉजी में अधिक रद्धान है। इस बार छात्रों की परसंद में ईसी व आईटी मैकेनिकल इंजीनियरिंग से आते हैं।

बीई... 41 ब्रांच में 55,362 सीट के लिए होंगे एडमिशन

बोर्ड में 41,55,363 सीट के लिए एडमिशन प्रक्रिया चल रही है। इनके लिए 5,08,298 च्याइंस फिलिंग हुई है। 16,992 सीट पर अलॉटमेंट हुए हैं।



प्रमुख ब्रांच में यह है स्थिति...

ब्रांच	कुल सीट	कुल च्याइंस	कुल अलॉटमेंट
सीएसई	13804	150495	5923
सिविल	8849	49926	1532
मैकेनिकल	11767	52871	1656
ईसी	7174	55860	1822
आईटी	2974	77088	1505
ईई	1932	32318	807
इलेक्ट्रिकल एंड इलेक्ट्रॉनिक्स	3813	9947	349

छात्रों को फायदा... इन क्षेत्रों से जुड़े कोर्स भी राज्य के इंजीनियरिंग कॉलेजों में शुरू किए गए हैं। इसका लाभ छात्रों को मिलेगा।

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

ग्वालियर (नईदुनिया प्रतिनिधि)। माधव इंस्टीट्यूट आफ टेक्नोलॉजी एंड साइंस में दो दिवसीय अंतरराष्ट्रीय संगोष्ठी का समापन शनिवार को किया गया। समापन में 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 वंसल 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

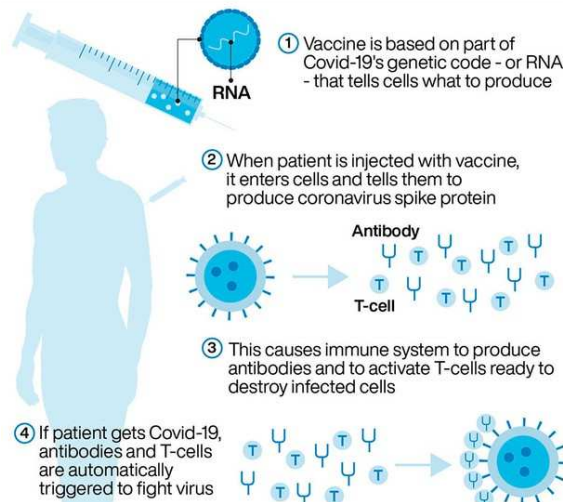
ग्वालियर ● एमआइटीएस में इंटरनेशनल कॉन्फ्रेंस के दूसरे दिन शनिवार को कई स्पीकर ने तकनीकी सुझाव दिए। डॉ. कार्लोस कोएलो मैक्सिको ने मल्टीऑब्जेक्टिव प्रॉब्लेम्स एवं उनके समाधानों के बारे

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 मेटलेब टूल का उपयोग कर सकते हैं। डॉ. जेसी बंसल, साउथ एशियन यूनिवर्सिटी ने प्रकृति से संबंधित ऑप्टिमाइजेशन तकनीकियों के बारे में बताया

Awareness News

How the RNA vaccine would work



HOW IT'S DONE

TOI takes you through the steps to get a jab for Covid

1 At entry, vaccination officer 1 (police, home guard, civil defence, NCC, NSS, NYK) checks registration status of the beneficiary, verifies photo ID

2 Vaccination officer 2 (health/ICDS/ other government staff) verifies documents in the Co-WIN system

3 In vaccination room, vaccination officer 3 (doctor, nurse, pharmacist) administers shot (no vaccine during dry run), CoWIN is updated

4 Beneficiary receives SMS saying the vaccination process is completed. He/she receives date and time for the booster shot

5 Beneficiary waits in observation room for half-an-hour. Vaccination officers 4 and 5 (government staff from health/IEC/ ICDS) will monitor the health of the beneficiary

DRY RUNS DONE
Gujarat was part of the earliest dry run for vaccinations. So far, the state has carried out dry runs in all 246 talukas and 26 designated zones for the vaccination at 931 session sites

