



# MITS NEWSLETTER

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**"Everything is theoretically impossible, until It is done."**

**By Robert A. Heinlein**

# MIT'S-NEWS LETTER

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**The Mega Event-Gwalior Drone Mela** was organized on December 11, 2021, jointly by Ministry of Civil Aviation, Government of India, Government of Madhya Pradesh, Federation of Indian Chambers of Commerce & Industry (FICCI) at Madhav Institute of Technology & Science (MITS), Gwalior.

The programme was the biggest congregation of drone manufacturers, service providers, drone enthusiasts and user communities, especially students, farmers and common people of the city.



The event included drone exhibition, demonstration, drone spardha, industry-user interactions and launches.

Chief guests of the programmes were Shri Shivraj Singh Chouhan, Hon'ble Chief Minister of Madhya Pradesh, Shri Jyotiraditya M. Scindia, Hon'ble Minister of Civil Aviation, Govt. of India, Shri Narendra Singh Tomar, Hon'ble Union Minister of Agriculture and Farmers Welfare, Govt of India and Shri Vivek Shejwalkar, Member of the Parliament, Lok Sabha

#### Participants witnessed:

- *Launch of SpiceXpress Drone Airlines program*
- *Inauguration of Centre of Excellence for Drone Technology at MITS Gwalior*
- *Exchanging MoU between FICCI & MITS on strengthening industry academia collaboration*
- *Over 30 exhibition stalls were set up to showcase drones, drone applications, services, use cases etc.*

12 demonstrations conducted by following organizations on various drone based applications including pesticide spraying, forestation, vaccine / medicine delivery, surveillance etc. –

- SpiceXpress / Throttle Aerospace
- Asteria Aerospace Ltd
- Marut Drones
- Drone Destination
- S. AgriUdaan Pvt Ltd
- ORC tech electronics promoted by MPSEDC
- BISA CIMMYT
- SkyLaneDronetech Pvt Ltd
- Aarav Unmanned system promoted by MPSEDC & Revenue Department, Govt. of MP



## Patents Filed/Granted

1. **Dr. Monica Chauhan Bhadoriya** from Department of Management (Granted) on 3rd November 2021 “**EI based HR Appraisal System**”, Application No. 2021105601.
2. **Dr. Monica Chauhan Bhadoriya** from Department of Management (Granted) on 3rd November 2021 “**Deep Learning-Based Intuitive Cognizance System to facilitate in the process of socialization**”, Application No. 2021106399
3. **Dr. Shishir Dixit**, from Department of Electrical Engineering published patent in Intellectual Property, India in “**The Innovation on System and Method for Criminal Detection and Recognition**”, Application Number 202011044583, and publication date 29-10-2021.
4. **Dr. Shishir Dixit**, Department of Electrical Engineering published Australian Patent in Intellectual Property, Australian Government in the Innovation on “**System and Method for Secured Irrigation**”, Application Number 2021106933, and applied date 24-08-2021, publication Date 08-12-2021.
5. **Dr. Shishir Dixit**, Department of Electrical Engineering published patent in Intellectual Property, India “**Method and System for automatically identifying a Blood Donor in Vicinity of a patient**” Application Number 202121053094, publication date 03-12-2021.



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6. **Dr. Vikram Rajpoot** Department of Information Technology filed an Indian patent on 09/12/2021 with application number **202121057311**. This patent was published on 17/12/2021. Title of this patent is **Smart Necklace and Wrist Band with Machine Learning Based Image Processing and GPS**.

## PhD. Awarded

1. **Ms. Shalini Sahay**, awarded doctor of philosophy in “Computer Aided Interpretation of Bioelectric Signals” under the Supervision of **Dr. A. Wadhvani, Dr. Sarita Singh Bhadoria, Dr. Sulochana Wadhvani** from RGPV, Bhopal Notification No: RGPV/PhD/77/810, dated: 29.11.2021.,
2. **Mr. Saurabh Kumar Singh** awarded doctor of philosophy on the topic “A Novel Framework for Terrorist Network Mining” under the supervision of **Dr. Akhilesh Tiwari**, Professor & Head, Department of IT from Uttarakhand Technical University, Dehradun on 08/10/2021.

## Awards Received by Faculty

1. **Dr. Trilok Pratap Singh** from department of Management got Global Teacher Award 2021 on date 20 December 2021 by AKS education Group.
2. **Dr. M.K. Gaur & Dr. Amrat Kumar Dhamneya** from department of Mechanical Engineering were awarded by a certificate from NPIU on successfully completion of project “Performance Enhancement of solar Distillation systems using nanoparticles” sanctioned under TEQIP-III Collaborative Research Scheme on 26th November, 2021.
3. **Dr. Neeraj Mishra & Dr. M.K. Sagar** from department of Mechanical Engineering were awarded by a certificate from NPIU on successfully completion of project “Design and Development of the Portable Gnathodynamometer” sanctioned under TEQIP-III Collaborative Research Scheme on 26th November, 2021.
4. **Dr. Pratesh Jayaswal & Prof. Sarvesh Kumar Yadav** from department of Mechanical Engineering were awarded by a certificate from NPIU on successfully completion of project “Analysis and Control of Noise Pollution in Hospitals” sanctioned under TEQIP-III Collaborative Research Scheme on 26th November, 2021.
5. **Dr. Dharmendra Jain, Dr. M.K. Sagar & Prof. Sharad Agrawal** from department of Mechanical Engineering were awarded by a certificate from NPIU on successfully completion of project “3D modelling and Finite element analysis of Human bone generated from CT scan and MRI Data” sanctioned under TEQIP-III Collaborative Research Scheme on 26th November, 2021.
6. **Prof. Aditya Kumar Agarwal** from department of Civil Engineering received Certificate of Appreciation for being recognized as NPTEL Discipline Star by NPTEL.



## Activities Organized (Workshop/Conference/FDP/STC/Expert Talk)

1. **Department of Civil Engineering** organized one week STC under AICTE-QIP on **Environment Modeling & Practices** during 21-26 December, 2021. Prof Aditya Kumar Agarwal and Dr Prachi Singh was the Coordinator and Dr M K Trivedi was the Convener.
2. **Institute** organized an expert talk on the occasion of “**Human Rights Day**” on 10th December 2021. Rohit Sharma, Author MP Migrant Report, 2021, and Swapnil Shukla, Co-Founder Zenith Society for Socio Legal Empowerment were the speaker of this event. Prof. Anish P. Jacob, Chemical Department & Dr. Anjula Mehto, CSE Department was the faculty coordinators of this event.
3. **Institute** organized an expert session on the occasion of International “**Child’s Right Day**” on 20th November 2021. The speaker of the session was Dr. Shaleen Sharma, Asst. Director, Department of Women & Child Development, Gwalior. Prof. Anish P. Jacob, Chemical Department & Dr. Anjula Mehto, CSE Department was the faculty coordinators of this event in association with the Journalism Society of MITS.
4. **Institute** organized **3rd International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology** November 13-14, 2021 Technically Sponsored By: Soft Computing Research Society. The coordinator was Dr. Manjaree Pandit, Dean Academics & Professor, Department of Electrical Engineering.

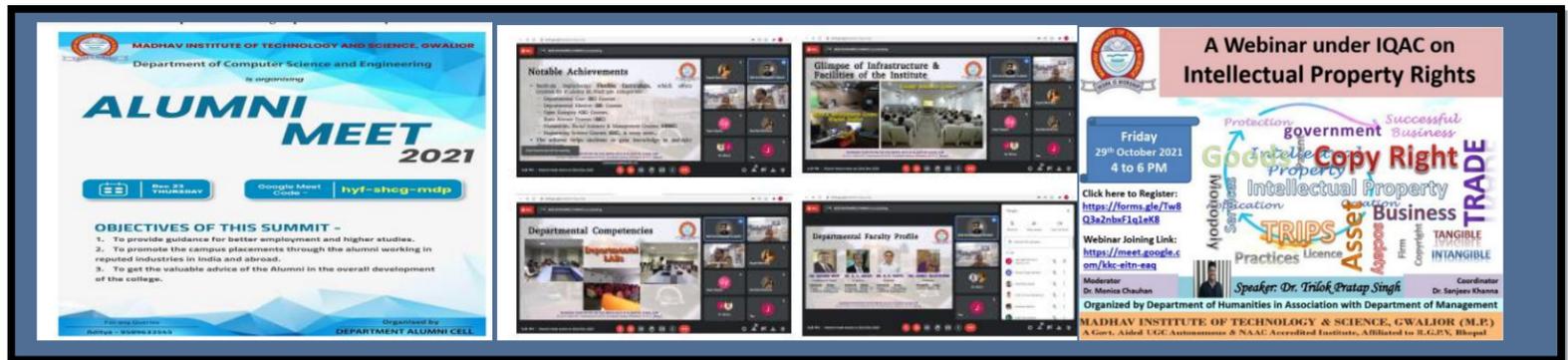




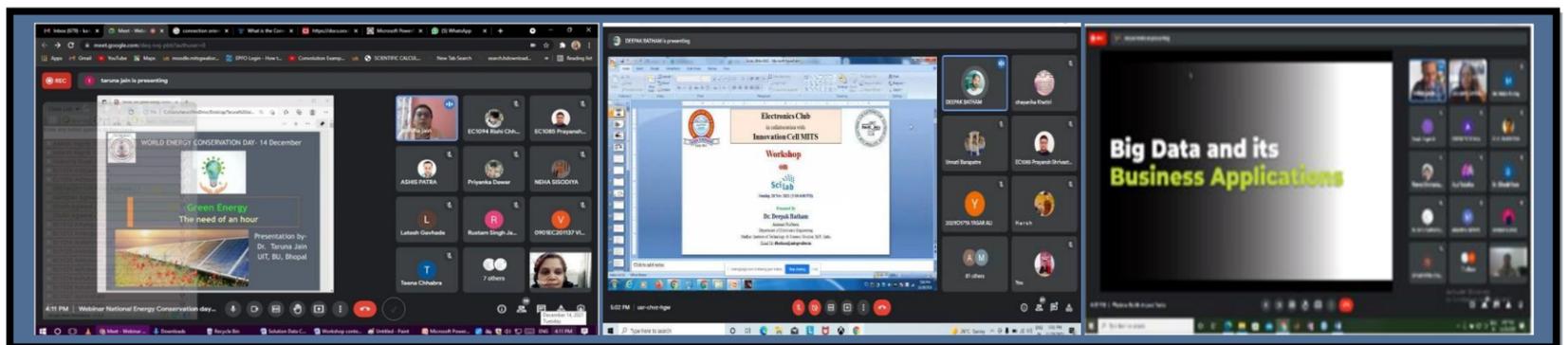
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- Department of Computer Science Engineering** organized an **Alumni meet** on 23/12/2021. The alumni from passing batch 2005 to 2021 shared their experiences at the Institute as well as work experiences. Many alumni members expressed their interest to train & arrange industry internships to final/ third year students for corporate I.T. placements and provide a learning path for 1-2 Year students to get ready for Placements.



- Department of Management & Department of Humanities** organized a webinar under IQAC on **Intellectual Property Rights** on Friday 29th October 2021. Speaker: Dr. Trilok Pratap Singh Moderator: Dr. Monica Chauhan Bhadoriya.
- Institute** organized a webinar on **national energy conservation** day was organized on 14 Dec 2021. Dr. Taruna Jain from BUIT, Bhopal was the keynote speaker. Dr. Karuna Markam was the coordinator of this event.
- Department of Electronics Engineering** was organized a two day online national conference on “**Role of Electronics Engineering in Aatmanirbhar Bharat**”, during 25-26 November 2021 at MITS,Gwalior. Dr. Vandana Vikas Thakare and Prof. Deep Kishore Parsedia was the coordinators of the event.
- Department of Electronics Engineering** was organized A workshop on “**Scilab**”, on 28 Nov 2021, by Prof. Madhav Singh through Electronics club, MITS, Gwalior.
- Department of Electronics Engineering** organized a two days online in-house “**Outcome Based Education (OBE)**” workshop during 14th and 15th December 2021. Prof. Deep Kishore Parsedia and Dr. Vandana Vikas Thakare conducted the workshop.
- Department of Electronics Engineering** organized a webinar on “**Big Data and AI Business Applications**” on 28 Dec 2021. Mr. Avijeet Dutta, Technical Director & Head, Data and AI, Globant India delivered the talk. Dr. Sandeep Sharma as a faculty coordinator conducted the webinar
- Department of Electronics Engineering** organized an online “**Alumini meet**” on 29 Dec 2021. Dr. Vikas Mahor, Prof. Pooja Sahoo, Dr. Karuna Markam and Dr. Vandana Vikas Thakare conducted the event.



- Department of Electrical Engineering** organized “**Alumni e-Conclave**”, on 10<sup>th</sup> October 2021 under Alumni Interaction Cell.
- Department of Electrical Engineering** organized Online “**IPR Awareness program**” on 17<sup>th</sup> December 2021.
- Department of Electrical Engineering** organized “**Alumni e-Conclave**”, on 30<sup>th</sup> December 2021.under Alumni Interaction Cell.



- Department of Humanities** organized online IPR Awareness program on “**Notion of Patents, Copyrights, and IPR conducted**” on 29/October/2021 from 04:00 to 06:00 PM in online mode. Dr. Trilok Pratap Singh delivered the Expert Lecture on IPR, and Dr. Monica Chauhan moderated the session.
- Department of Mechanical Engineering** has organized a programme “Azadi Ka Amrit Mahotsav” on a topic “**Emerging Materials for Environmental Remediations & Defence Applications**” by Dr. Rajendra Bunkar, Scientist, DRDE, Gwalior (M.P.) on 11<sup>th</sup> November, 2021.
- Department of Mechanical Engineering** has organized a special interaction session on “**Research projects in Space Technology**” by a former ISRO Scientist Prof. N.K. Gupta on 17<sup>th</sup> November, 2021. This programme was organized by Dr. M.K. Gaur, Dr. C. S. Malvi & Dr. Gavendra Norkey.
- Department of Mechanical Engineering** has organized an expert lecture programme on “**Intellectual Property Rights- Patenting Processes in India**” by Mr. Prateek Shrivastava on 10<sup>th</sup> December, 2021. This programme was coordinated by Dr. C. S. Malvi & Dr. Gavendra Norkey.



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20. **Department of Mechanical Engineering** has organized a 5 days' workshop on "Industrial training on CFD through ANSYS Workbench" during Dec 06-10, 2021. The convener of the workshop was Dr. M. K. Gaur.
21. **Department of Chemical Engineering** expert Talk on 20<sup>th</sup> Nov 2021, "Child Rights Day" by Dr. Shaleen Sharma, Assistant Director, Women & Child Development, Gwalior
22. **Department of Chemical Engineering** expert Talk on, "Human Rights Day" by Mr. Rohit Sharma, Author MP Migrant Report, 2021 & Mr. Swapnil Shukla, Co-Founder Zenith Society for Socio Legal Empowerment on 10<sup>th</sup> Dec 2021.

## Talks Delivered Outside the Institute

1. Dr. Manjaree Pandit from department of Electrical Engineering, chaired a session in **2nd IEEE International Conference on Smart Technologies for Power, Energy & Control, (STPEC-2021)**, organized by: Chouksey Engineering College, Bilaspur (Chhattisgarh), 19th -22nd December 2021.
2. Dr A. K. Wadhvani from department of Electrical Engineering, delivered an online Expert talk on "Determination of span of Covid-19, Duration of Maximum Severity and change of Mutation using Astrological Aspects and Fuzzy Rules", Organized by, IETE, Bhopal Centre, Bhopal (India) on 10.10.2021.
3. Dr. Akhilesh Tiwari from department of Information Technology delivered three expert lectures in the Faculty Development Programme on "Data Sciences" under AICTE Training and Learning (ATAL) Academy Program in the duration of 4th -8th October 2021 organized by Devi Ahilya Vishwavidyalaya (DAVV) Indore.
4. Dr. Vikram Rajpoot from department of Information Technology serving as a session chair in "The track Intelligent Computation and Analytics" in the IEEE International Conference on Technology, Research & Innovation for Betterment of Society (TRIBES-2021) held during December 17th-19th, 2021 at IIIT Naya Raipur, Chhattisgarh, India.
5. Dr. C.S. Malvi from department of Mechanical Engineering delivered an expert talk on "The eve of Energy Conservation Day at Centre for Renewable Energy", Rabindranath Tagore University, Raipur on 14<sup>th</sup> December, 2021.
6. Dr. M.K. Gaur from department of Mechanical Engineering has chaired the session titled "Computational Intelligence & Machine Learning" in the International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology held online during November 13-14, 2021, organized by MITS, Gwalior and technically sponsored by Soft Computing Research Society.
7. Dr. M.K. Gaur from department of Mechanical Engineering has chaired the session titled "Keynote of Dr. Swagatam Das" in the International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology held online during November 13-14, 2021, organized by MITS, Gwalior and technically sponsored by Soft Computing Research Society.

## Projects Undergoing

- Dr. Manoj Trivedi from department of Civil Engineering has completed a Project on "Multi-objective Optimization in Construction Projects using NSGA III", (TEQIP – IRS)
- Dr. Manoj Trivedi from department of Civil Engineering is undertaking a project on "Development of Optimum Front for Time-Cost Trade-Off in Construction Projects" (RPS).

## FDP/STC/Workshop Attended (Outside the Institute)

1. **Dr. Shourabh Bhattacharya**, Assistant Professor, Applied Science Department attended a one week STTP conducted on Teaching Skill Development (22 Nov-26 Nov. 2021). This programme was conducted by NITTTR Kolkata and focussed on innovative techniques in teaching –learning.
2. **Dr. Chayan Gupta** from department of Civil engineering Completed Five Day Faculty Development Program on "Transportation Geotechnics and Materials for Sustainable Infrastructure" organized by Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur on 13/12/2021 to 17/12/2021.
3. **Dr. Chayan Gupta** from department of Civil engineering Completed Five Days "Experiential learning in Geotechnical Engineering" organised by Visvesvaraya National Institute of Technology, on 06/12/2021 – 10/12/2021
4. **Dr. Jayvant Choudhary** from department of Civil engineering Completed Five Day Faculty Development Program on "Transportation Geotechnics and Materials for Sustainable Infrastructure" organized by Swami Keshvan and Institute of Technology, Management & Gramothan, Jaipur on 13/12/2021 to 17/12/2021.
5. **Dr. Trilok Pratap Singh** department of Management attended FDP on "Environmental Modelling & Practices" from 21/12/2021 to 25/12/2021 at Madhav Institute of Technology & Science, Gwalior.
6. **Dr. Monica Chauhan Bhadoriya** department of Management attended AICTE sponsored STC on "Environmental Modelling & Practices" from 21/12/2021 to 25/12/2021 at Madhav Institute of Technology & Science, Gwalior.
7. **Dr. Namrata Gupta** attended department of Management "Workshop on Entrepreneurship Skills, Attitude & Behaviour Development" jointly organized by Institute Innovation Council (IIC), School of Business, and E - Cell Galgotiya University, Greater Noida, Uttar Pradesh, on January 27, 2022
8. **Dr. Yogeshwar Dayal Jaital** from electrical engineering attended the Webinar 30 Days on "Renewable Energy System Master Class" from 17th Oct., 2021 to 16th Nov., 2021 organized by Pantech E-Learning Pvt Ltd, Chennai, Tamilnadu 600017
9. **Dr. Shishir Dixit**, from electrical engineering successfully participated in University Distinguished Lecture titled "Science, Technology and Innovation Policy 2020: A Transformative S&T Agenda" delivered by Prof. Sandeep Verma, Secretary of Science and Engineering Research Board (SERB), DST, Government of India organized by SRM University-AP, held on October 30 2021



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10. **Dr. Tej Singh** Department of IT has participated in one-week online Short Term Training Program on “Recent Advances and Challenges in Computer Vision” held from 03rd Dec to 07th Dec, 2021 organized by Department of Electronics & Communication Engineering, Delhi Technological University, Delhi-110042, India.
11. **Dr. Tej Singh** Department of IT has participated in one week online AICTE-ISTE Induction/Orientation Program on “Recent Advancements in ML & AI” held from 16th – 22nd December 2021 organized by Department of Information Technology & Department of Electronics & Communication Engineering of Bharati Vidyapeeth’s College of Engineering, New Delhi.
12. **Dr. Tej Singh** Department of IT has participated in a one-week online Faculty Development Program on the theme of “Machine Learning Applications in Signal Processing and Wireless Networks” held on December 20th-24th, 2021, organized by Department of Electronics and Communication Engineering, Delhi Technological University, Delhi, India.
13. **Dr. Pawan Dubey** Department of IT has participated in one-week online Short Term Training Program on “Recent Advances and Challenges in Computer Vision” held from 03rd Dec to 07th Dec, 2021 organized by Department of Electronics & Communication Engineering, Delhi Technological University, Delhi-110042, India.
14. **Dr. Pawan Dubey** Department of IT has participated in a one-week online Faculty Development Program on the theme of “Machine Learning Applications in Signal Processing and Wireless Networks” held on December 20th-24th, 2021, organized by Department of Electronics and Communication Engineering, Delhi Technological University, Delhi, India.
15. **Dr. Ashish Agrarwal** from Mechanical Engineering Participated in a 3-Day Online Workshop on “Computational Fluid Dynamics (CFD) Using Ansys Fluent”, from 18-20<sup>th</sup> November, 2021 organised by VIT-AP University Amaravati (AP).
16. **Dr. Harbhajan Ahirwar** from Mechanical Engineering participated in a one-day workshop on “IPR- PATENTS DESIGNS” organized by Chhattisgarh Swami Vivekanand Technical University, Bhilai, (C.G.) India in Collaboration with Rajiv Gandhi National Institute for Intellectual Property Management (RGNIPM) Nagpur, (M.H.) India on 4th Oct, 2021.
17. **Dr. C.S. Malvi** from Mechanical Engineering has participated in the Discussion on Solar Energy Policy, University of Leeds, United Kingdom on 9<sup>th</sup> November, 2021.

## NPTEL/ ATAL/INTERNSHALA courses attended by the Faculty

1. **Dr Hemant Shrivastava** from department of Civil Engineering attended ATAL FDP on Earthquake Resistant Design and Construction Practices, from 29/11/2021 - 3/12/2021, UIT RGPV, Bhopal
2. **Dr. Jayvant Choudhary** from department of Civil Engineering participated and successfully completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Experiential learning in Geotechnical Engineering" from 06/12/2021 to 10/12/2021 at Visvesvaraya National Institute of Technology
3. **Dr. Jayvant Choudhary** from department of Civil Engineering successfully attended and completed 12 weeks NPTEL AICTE FDP course on "Introduction to Multimodal Urban Transportation Systems" for Jul-Oct, 2021.
4. **Dr. Prachi Singh** from department of Civil Engineering successfully attended and completed 12 weeks NPTEL AICTE FDP course on “Wastewater Treatment and Recycling” for Jul-Oct, 2021.
5. **Dr. Sanjay Tiwari** from department of Civil Engineering successfully attended and completed NPTEL AICTE FDP course on “Optimization Methods for Civil Engineering” for Jul-Oct, 2021.
6. **Prof. Aditya Kumar Agarwal** from department of Civil Engineering successfully attended and completed 12 weeks NPTEL AICTE FDP course on “Municipal Solid Waste Management for Jul - Oct, 2021.
7. **Prof. Gautam Bhadoriya** from department of Civil Engineering successfully attended and completed 12 weeks NPTEL AICTE FDP course on “Infrastructure Planning and Management” for Jul - Oct, 2021.
8. **Dr. Sarvesh Kumar Jain** from department of Civil Engineering successfully attended and completed 12 weeks NPTEL AICTE FDP course on “Dynamics of Structures” for Jul – Oct, 2021.
9. **Dr. Chayan Gupta** from department of Civil Engineering participated and successfully completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Experiential learning in Geotechnical Engineering" from 06/12/2021 to 10/12/2021 at Visvesvaraya National Institute of Technology
10. **Dr. Parul Saxena** from department of Computer Science & Engineering Attended ATAL online FDP on Project Management from 20/12/2021 to 24/12/2021 organized by IIT Roorkee
11. **Dr. Parul Saxena** from department of Computer Science & Engineering successfully completed NPTEL-AICTE FDP of 8 week course “Cloud Computing” with a consolidated score of 68% (Elite) Aug-Oct 2021.
12. **Dr. Trilok Pratap Singh** from Department of Management attended 4 AICTE Training and Learning (ATAL) Academy Online Elementary FDP on
  - "Emerging Trends in Business Data Analytics for Managers" from 22/11/2021 to 26/11/2021 at Xavier Institute of Social Service.
  - "Design Thinking for Excellence in OBE & Digital Learning" from 29/11/2021 to 03/12/2021 at Birla Institute of Technology.
  - "Responsible Tourism in the New Normal" from 06/12/2021 to 10/12/2021 at Jamia Millia Islamia, New Delhi.
  - "Strategic management issues in technical institutions" from 27/12/2021 to 31/12/2021 at National Institute of Technical Teachers Training Institute, Kolkata.
13. **Dr. Monica Chauhan Bhadoriya** from department of Management attended ATAL FDP on "Life Skill Management (Focused on Personal Effectiveness)", which is to be held from 27th December 2021 to 31st December 2021 organized by NIT Trichy.
14. **Dr. Namrata Gupta** from department of Management attended 4 AICTE Training and Learning (ATAL) Academy Online Elementary FDP on
  - "Responsible Tourism in the New Normal" from 06/12/2021 to 10/12/2021 at Jamia Millia Islamia, New Delhi.
  - "Strategic management issues in technical institutions" from 27/12/2021 to 31/12/2021 at the National Institute of Technical Teachers Training Institute, Kolkata.
  - “Sustainable Business Eco-system" from 10/01/2022 to 14//01/2022 at National Institute of Technology, Rourkela.



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- “Design Thinking “from 17/01/2022 to 21/01/2022 at Engineering College Bikaner.
15. Dr. Laxmi Shrivastava from department of Electronics Engineering attended online ATAL FDP on Artificial intelligent and machine learning from 25-29 October 2021 at UIT, RGPV, Bhopal
  16. Dr. Karuna Markam from department of Electronics Engineering attended online ATAL FDP on Design of Low Power Analog IC from 29 November to 03 Dec. 2021 at Gauhati University Institute of Science and Technology.
  17. Dr. Shubhi Kansal from department of Electronics Engineering attended online ATAL FDP on Explainable artificial intelligence and the future from 20-24 Dec 2021 at IIIT KOTA, Rajasthan.
  18. Prof. Pooja Sahu from department of Electronics Engineering attended online ATAL FDP on Design of Low Power Analog IC from 29 Nov. to 03 Dec. 2021 at Gauhati University Institute of Science and Technology.
  19. Dr. Vandana Vikas Thakare from department of Electronics Engineering attended online ATAL FDP on Design of Low Power Analog IC from 29 November to 03 Dec. 2021 at Gauhati University Institute of Science and Technology.
  20. Dr. Varun Sharma from department of Electronics Engineering attended online ATAL FDP on Nanoelectronics Devices: Materials to Applications from 6-10 Dec 2021 at IIIT Ranchi.
  21. Dr. Varun Sharma from department of Electronics Engineering attended online ATAL FDP on Applied Artificial Intelligence from 29 November 03 Dec 2021 at CDAC.
  22. Dr. Laxmi Shrivastava from department of Electronics Engineering successfully attended 8 weeks FDP on “Accreditation of Undergraduate Engineering Programme“from 30 July-31 October, 2021.
  23. Dr. Sandeep Sharma from department of Electronics Engineering successfully completed 12 weeks NPTEL course on “Digital Circuits and Internet of things”.
  24. Dr. Ravindra Pratap Narwaria from department of Electronics Engineering successfully completed 12 weeks NPTEL course on “Control Systems”.
  25. Dr. Hemant Choubey from department of Electronics Engineering successfully completed 12 weeks NPTEL course on “Digital Circuits, Applied Electromagnetic for Engineers and Basic Electrical Circuits”.
  26. Dr. Rahul Dubey from department of Electronics Engineering successfully completed 12 weeks NPTEL course on “Control Systems and Basic Electrical Circuits”.
  27. Prof. Deep Kishore Parsedia from department of Electronics Engineering successfully completed 12 weeks NPTEL course on “Control Systems”.
  28. Prof. Vishal Chaudhary from department of Electrical Engineering attended AICTE Training and Learning (ATAL) Academy Online FDP on “Design and Recent Development in Renewable Energy Based Microgrid System” from 25th to 29th October 2021 organized by Electrical Engineering Department, National Institute of Technology, Mizoram.
  29. Prof. Neha Bhardwaj, from department of Information Technology participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "BLOCKCHAIN TECHNOLOGIES AND ITS APPLICATIONS" from 06/12/2021 to 10/12/2021 at Manipal Institute of Technology.
  30. Prof. Punit Kumar Johari, department of Information Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "IoT and its Applications" from 23/11/2021 to 27/11/2021 at School of Information Technology - Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV).

## Book Chapter Published

- Shradha Dubey, Manish Dixit, “Applying Deep Learning and Computer Vision for Early Diagnosis of Eye Diseases”, Bentham Series, Disease Prediction using Machine Learning, Deep Learning and Data Analytics (DPML-21).

## NPTEL NEWS

- ★ *Yashika Singhal, a Mechanical Engineering final year student has been awarded as NPTEL Discipline Star by NPTEL Swayam for the session July-Dec, 2021.*
- ★ *Janhvi Singhal from B. Tech. CSE 4th year student has been awarded as NPTEL Discipline Star by NPTEL Swayam for the session July-Dec, 2021.*
- ★ *It's a matter of great pleasure that our NPTEL Local Chapter has scored 5th Rank across Nation. Heartiest congratulations to all faculty, staff and students*
- ★ *NPTEL toppers for Session July-Dec 2021-Congratulations to the students for their success*



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### List of NPTEL Toppers for Session July-Dec 2021

S.No	Course Name	Name	Final Score	Certificate Type	Topper	Exam Date	Timeline
1	Cloud computing - online	Rishabh Jain	83	Elite+Silver	Topper of 1% in this course	2021-10-23	Jul-Oct 2021
2	Glass in buildings Design and applications - online	Tejasvi Gupta	92	Elite+Gold	Topper of 1% in this course	2021-10-23	Jul-Oct 2021
3	Cloud computing -	Abhishek	86	Elite+Silver	Topper of 1% in this	2021-10-23	Jul-Oct 2021



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	online	Shrivastava			course		
4	Wastewater Treatment and Recycling - online	Anshul Maurya	96	Elite+Gold	Topper of 1% in this course	2021-10-23	Jul-Oct 2021
5	Automation in Manufacturing - online	Aditya Agarwal	95	Elite+Gold	Topper of 1% in this course	2021-10-24	Jul-Oct 2021
6	Advanced Machining Processes - online	Neelabh Bhadauria	86	Elite+Silver	Topper of 1% in this course	2021-10-24	Jul-Oct 2021
7	Advanced Machining Processes - online	Seemanti Sahu	91	Elite+Gold	Topper of 1% in this course	2021-10-24	Jul-Oct 2021
8	Advances in UHV Transmission and Distribution-Online	Akash Singh	77	Elite+Silver	Topper of 1% in this course	2021-09-26	Jul-Dec 2021
9	Python for Data Science-Online	Divyam	93	Elite+Gold	Topper of 1% in this course	2021-09-26	Jul-Dec 2021
10	Cloud computing - online	Anjali Tomar	79	Elite+Silver	Topper of 2% in this course	2021-10-23	Jul-Oct 2021
11	Cloud computing - online	Kapil Kumar Tantuway	78	Elite+Silver	Topper of 2% in this course	2021-10-23	Jul-Oct 2021
12	Digital Image Processing - online	Divya Vyas	86	Elite+Silver	Topper of 2% in this course	2021-10-23	Jul-Oct 2021
13	Cloud computing - online	Saket Sharma	79	Elite+Silver	Topper of 2% in this course	2021-10-23	Jul-Oct 2021
14	Social Networks - online	Sakshi Sharma	72	Elite	Topper of 2% in this course	2021-10-23	Jul-Oct 2021
15	Cloud computing - online	Deepanshu Sharma	78	Elite+Silver	Topper of 2% in this course	2021-10-23	Jul-Oct 2021
16	Digital Image Processing - online	Vineesh Modi	84	Elite+Silver	Topper of 2% in this course	2021-10-23	Jul-Oct 2021
17	Advanced Machining Processes - online	Aniket Gupta	84	Elite+Silver	Topper of 2% in this course	2021-10-24	Jul-Oct 2021
18	Advanced Machining Processes - online	Akash Gupta	83	Elite+Silver	Topper of 2% in this course	2021-10-24	Jul-Oct 2021
19	Advanced Machining Processes - online	Arihant Jain	83	Elite+Silver	Topper of 2% in this course	2021-10-24	Jul-Oct 2021
20	Advanced Machining Processes - online	Harsh Ratnere	83	Elite+Silver	Topper of 2% in this course	2021-10-24	Jul-Oct 2021
21	Programming, Data Structures And Algorithms Using Python-Online	Abhishek Singh	94	Elite+Gold	Topper of 2% in this course	2021-09-26	Jul-Dec 2021
22	Cloud computing - online	Aastha Shrivastava	73	Elite	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
23	Cloud computing - online	Abhay Kushwah	75	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
24	Wastewater Treatment and Recycling - online	Abhishek Gupta	90	Elite+Gold	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
25	Cloud computing - online	Gitansh Baghel	77	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
26	Digital Image Processing - online	Ajay Kumar Giri	81	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
27	Cloud computing - online	Kunal Singh	75	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
28	Cloud computing - online	Abhishek Kushwah	73	Elite	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
29	Social Networks - online	Devansh Sharma	69	Elite	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
30	Cloud computing - online	Yash Jain	75	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
31	Cloud computing - online	Akshada Wakankar	76	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
32	Digital Image Processing - online	Ankit Soni	81	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
33	Cloud computing -	Devam Sharma	73	Elite	Topper of 5% in this	2021-10-23	Jul-Oct 2021



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	online				course		
34	Introduction to Multimodal Urban Transportation Systems MUTS - online	Vaibhav Dwivedi	77	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
35	Digital Image Processing - online	Nancy Gupta	79	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
36	Cloud computing - online	Om Kanthariya	75	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
37	Cloud computing - online	Ayush Rathore	73	Elite	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
38	Cloud computing - online	Animesh Jain	75	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
39	Cloud computing - online	Jayant Gangwani	76	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
40	Cloud computing - online	Kapil Patel	75	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
41	Wastewater Treatment and Recycling - online	Pragyan Nema	87	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
42	Social Networks - online	Jyoti Chaudhary	68	Elite	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
43	Cloud computing - online	Prafull Saxena	75	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
44	Wastewater Treatment and Recycling - online	Rishabh Shukla	90	Elite+Gold	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
45	Digital Image Processing - online	Shubham Jain	79	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
46	Cloud computing - online	Sarthak Singhal	77	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
47	Fundamentals Of Artificial Intelligence - online	Ritik Mathe	84	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
48	Wastewater Treatment and Recycling - online	Naimesh Singh Rawat	85	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
49	Cloud computing - online	Nitesh Kumar	75	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
50	Cloud computing - online	Riya Goyal	75	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
51	Digital Image Processing - online	Shikhar Gupta	83	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
52	Digital Image Processing - online	Tanishq Gupta	79	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
53	Cloud computing - online	Triambkesh Agrawal	73	Elite	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
54	Social Networks - online	Yashit Shrivastava	69	Elite	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
55	Cloud computing - online	Rohit Jalwaya	73	Elite	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
56	Digital Image Processing - online	Khushal Mehrotra	80	Elite+Silver	Topper of 5% in this course	2021-10-23	Jul-Oct 2021
57	Advanced Machining Processes - online	Abhishek Kumar Vishwakarma	81	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
58	Integrated Waste Management for a Smart City - online	Himanshu Jha	83	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
59	Ecology and Environment - online	Praveen Soni	78	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
60	Software Testing - online	Ankita Jadhav	86	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
61	Software Testing - online	Arika Sharma	83	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
62	Introduction To Composites - online	Praveen Shakya	85	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
63	Advanced Machining Processes - online	Puneet Bhardwaj	80	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021



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64	Advanced Machining Processes - online	Shivam Sahu	81	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
65	Advanced Machining Processes - online	Tanishq Bansal	81	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
66	Advanced Machining Processes - online	Sahil Singh	82	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
67	Advanced Machining Processes - online	Yagyesh Pratap Singh Tomar	80	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
68	Automation in Manufacturing - online	Vishista Kaushik	90	Elite+Gold	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
69	Aspen Plus R simulation software a basic course for beginners - online	Rishav Saraswat	93	Elite+Gold	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
70	Advanced Machining Processes - online	Nitin Mishra	82	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
71	Big Data Computing - online	Eshan Sharma	78	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
72	Advanced Machining Processes - online	Saket Pandey	82	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
73	Advanced Machining Processes - online	Suryansh Gupta	80	Elite+Silver	Topper of 5% in this course	2021-10-24	Jul-Oct 2021
74	Introduction to Smart Grid-Online	Sanjay Rawat	77	Elite+Silver	Topper of 5% in this course	2021-09-26	Jul-Dec 2021
75	Python for Data Science-Online	Rudra Sikri	83	Elite+Silver	Topper of 5% in this course	2021-09-26	Jul-Dec 2021
76	Programming, Data Structures And Algorithms Using Python-Online	Vikas Singh Bhadoriya	92	Elite+Gold	Topper of 5% in this course	2021-09-26	Jul-Dec 2021
77	Heat Exchangers Fundamentals and Design Analysis - online	Suryansh Gupta	84	Elite+Silver	Topper of this course	2021-10-23	Jul-Oct 2021
78	Farm Machinery - Pen/Paper	Mohit Singhal	82	Elite+Silver	Topper of this course	2021-10-24	Jul-Oct 2021
79	Introduction to Semiconductor Devices - online	Vikas Deshmukh	88	Elite+Silver	Topper of this course	2021-10-24	Jul-Oct 2021
80	Advances in UHV Transmission and Distribution-Online	Ritik Gupta	67	Elite	Topper of this course	2021-09-26	Jul-Dec 2021
81	Millimeter Wave Technology-Online	Ankit Khenwar	63	Elite	Topper of this course	2021-09-26	Jul-Dec 2021
82	Trace and ultra-trace analysis of metals using atomic absorption spectrometry-Online	Vikash Joshi	67	Elite	Topper of this course	2021-09-26	Jul-Dec 2021
83	Matrix Method of Structural Analysis-Online	Chhatrapal Pal	93	Elite+Gold	Topper of this course	2021-09-26	Jul-Dec 2021
84	Trace and ultra-trace analysis of metals using atomic absorption spectrometry-Online	Hitesh Pathak	65	Elite	Topper of this course	2021-09-26	Jul-Dec 2021
85	System Design Through VERILOG-Online	Anirudh Pare	92	Elite+Gold	Topper of this course	2021-09-26	Jul-Dec 2021
86	River Engineering-Online	Himanshu Jha	71	Elite	Topper of this course	2021-09-26	Jul-Dec 2021

87	Trace and ultra-trace analysis of metals using atomic absorption spectrometry-Online	Siddhant Jain	64	Elite	Topper of this course	2021-09-26	Jul-Dec 2021
88	Trace and ultra-trace analysis of metals using atomic absorption spectrometry-Online	Rachana Santosh Vishwakarma	63	Elite	Topper of this course	2021-09-26	Jul-Dec 2021
89	Colloids and Surfaces-Online	Devendra Khadipure	51	Successfully Completed	Topper of this course	2021-09-26	Jul-Dec 2021

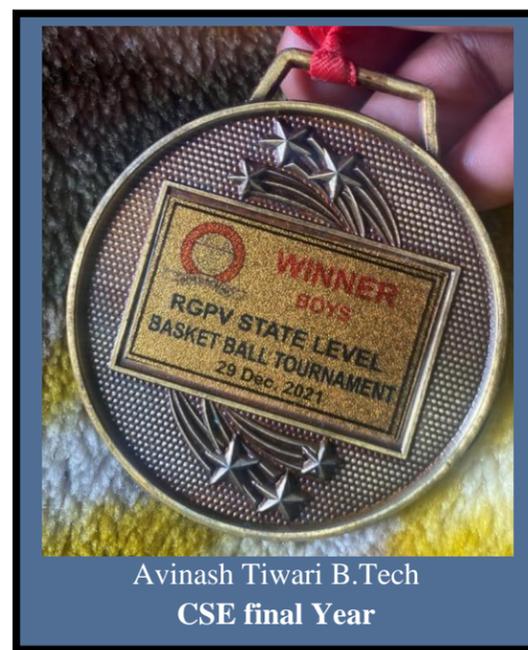
## Activities Organized Under Student Clubs/Chapters

- Dance club coordinator** Dr. Parul Saxena, organized Garba Nights on 21<sup>st</sup> – 22<sup>nd</sup> Oct., 2021 in the Institute.
- IETE Student Forum MITS**, Gwalior organized a Poster making competition based on Environmental Protection on 31st October 2021.
- Human Right Trivia quiz competition was organized on the occasion of Human Rights Day 10th December 2021.
- Holistic Health Club MITS** in collaboration with Rotaract Club of Gwalior Regal and Electrical Engineering Department organized a Cleanliness Program and Campaign on 2nd October 2021.
- MITS ACM Student Chapter** conducted a one-day orientation session cum Quiz Competition in virtual mode on 19<sup>th</sup> November 2021 (Friday). In this event 100+ Students have registered and 64 students have actively participated.
- MITS Journalism Society** Poster Making & Creative Writing Competition organized on 20<sup>th</sup> Nov 2021 on the occasion of Child Rights Day.



## Student's Achievements in Extracurricular Activities

- Himanshu Jha B.Tech 3rd Year **department of Civil engineering** Secured position in top 5% of NPTEL Course “Integrated Waste Management for Smart City”
- Shivani Rathore B.Tech 3rd Year **department of Civil engineering** successfully qualified the round 1 of “National Engineering Olympiad 5.0” conducted in December.
- Avinash Tiwari B.Tech **CSE final Year** student Won state level basketball tournament organized by RGPV.
- Aman Mourya B.Tech 2nd Year **department of Civil engineering** Secured Runner-up Position in “R.G.P.V. Gwalior Nodal Cricket Tournament” held on December 27 to December 31, 2021
- Shiv Kumar B.Tech 2nd Year **department of Civil engineering** Secured Runner-up Position in “R.G.P.V. Gwalior Nodal Cricket Tournament” held on December 27 to December 31, 2021
- Shourya Pratap Singh Chauhan B.Tech 2nd Year **department of Civil engineering** Secured Runner-up Position in “R.G.P.V. Gwalior Nodal Cricket Tournament” held on December 27 to December 31, 2021
- Pranjal Dubey B.Tech 1st Year **department of Civil engineering** Secured Runner-up Position in “R.G.P.V. Gwalior Nodal Cricket Tournament” held on December 27 to December 31, 2021
- Utkarsh Singh Tomar B.Tech 1st Year **department of Civil engineering** Secured Runner-up Position in “R.G.P.V. Gwalior Nodal Basketball Tournament” held on December 24, 2021.



Avinash Tiwari B.Tech  
CSE final Year

- Debesh Kumar from **MBA I year** got the first position in the online painting competition which was organized by MITS NSS Unit on 13/01/2022
- Mudit Sharma **Third Year (EED)** was nodal runner up & state level winner from MITS basketball team.
- Ikshita Trivedi **Third Year (EED)** secured third position in Nodal level Air Rifle and Pistol shooting competition held at IPS College of Technology and Management Gwalior.
- Mahesh Shivhare **Final Year (EED)** got third prize in 100 metre relay race competition in RGPV state athletics championship





**NAVITA AGARWAL, HEMANT SHARMA, BRAJMOHAN SINGH MUSHLIWAH, SANDEEP DHAKAD WON AREA DESIGN COMPETITION ORGANIZED BY A TURKISH COMPANY DUSTEN GERCEGE AND GOT 1ST PRIZE**



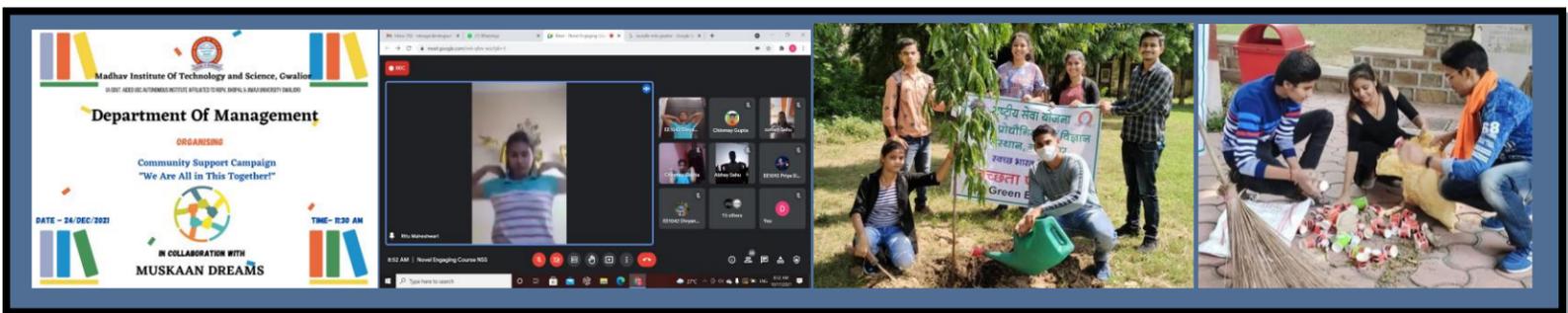
**4TH YEAR STUDENTS RISHABH JAIN , CHETNA SALVE, SHARDDHA PAMNANI , JOSEPH JOHN, GOT SHORTLISTED CATEGORY AMONG THE TOP 5 ENTRIES OUT OF 53 ENTRIES IN GUEST VILLA CATEGORY.**



**3RD YEAR STUDENTS AUSTIN DOMINIC , ANJU DOGNE , KHUSHI VERMA , SHRUTI PAL , ANUSHA VERMA , PRIYANSH SINGH ASLWAR , DEVANSH BUKHARIA , MANTASHA NISAR TOOK PART IN JACQUES ROUGERIE FOUNDATION AN INTERNATIONAL DESIGN COMPETITION IN THE CATEGORY SEA LEVEL RISE AND SECURED POSITION IN TOP 5**

## Activity Organized Under National Service Scheme

1. Department of Management organised a Community Support Campaign "We Are All in This Together" in collaboration with MUSKAN DREAMS at GMS Patel School on 24/Dec/2021.
2. National Service Scheme unit MITS, Red Ribbon Club and Department of Electronics Engineering was organised a three day workshop from 29/09/2021 to 01/10/2021 on "Importance of Meditation in routine life". Total 32 students and faculty members participated in this event.
3. National Service Scheme unit MITS organized Plantation Programme at MITS Campus on 30/09/2021 and some students pant the sibling near their place and show **the plantation** work through online on 03/10/2021. Total 67 students were participated.
4. National Service Scheme unit MITS and Red Ribbon Club under New India @75 (Azadi Ka Amrit Mahotsav) organized a online **Blood Donation Awareness** Programme on 10/10/2021. Total 43 students were participated.
5. National Service Scheme unit MITS and Red Ribbon Club organized a online Yoga and **Meditation** programme on 17/10/2021. Total 35 students were participated.
6. National Service Scheme unit MITS, Red Ribbon Club and Mechanical Engineering Department under New India @75 (Azadi Ka Amrit Mahotsav) organized a **Swachchhata Abhiyan** at MITS campus on 29/10/2021. Total 25 students were participated.
7. National Service Scheme unit MITS and NCC cell was organised a **symposium to celebrate the Constitution Day** on 26/11/2021 at MITS, Gwalior. Prof. Sanjeev Khanna and Prof. Angad Ojha were deliver the expert talk and take oral quiz. Total 66 students, staff and faculty members were present.



## Activities Organized Under Entrepreneurship Development Cell

S. No.	Programme Name	Venue	Date
1.	Entrepreneurship Awareness camp (DST Sponsored)	Vikrant Institute of Technology & Management Gwalior	21.10.21 to 23.10.21
2.	Entrepreneurship Awareness camp (DST Sponsored)	VRG Govt. PG Girls College Morar Gwalior	27.10.21 to 29.10.21
3.	Entrepreneurship Awareness camp (DST Sponsored)	SMS Govt. Science College Gwalior	16.11.21 to 18.11.21
4.	Entrepreneurship Awareness camp (DST Sponsored)	BVM Institute of Management Education	23.11.21 to 25.11.21
5.	Tally & GST (Self finance prog.)	Entrepreneurship Development Cell, MITS Gwalior	08.11.21 to
6.	RAC (Self finance prog.)	Entrepreneurship Development Cell, MITS Gwalior	08.11.21 to
7.	Seminar under IQAC for Engineering Students	Entrepreneurship Development Cell, MITS Gwalior	16.12.21





## Publications

- [1]. Aditya Kumar Agarwal, Aditya Singh Tomar, Jay Singh Rajput, Statistical Evaluation of Indoor Air Qualities in the Laboratories of a technical Institute presented in International Conference ICSISCET 2021 Held at MITS Gwalior In November 2021
- [2]. Aditya Kumar Agarwal, Aditya Singh Tomar, Monitoring of Concentration of PM10 and PM2.5 in Indoor Air in the Laboratories of a Technical Institute, IJISRT, Nov 2021, Vol 11, Issue 6
- [3]. Avinash Rathore and Manoj Kumar Trivedi (2021), "Delay Factor Analysis for Indian HAM Highway Construction Projects". International Journal for Research in Applied Science & Engineering Technology (IJRASET). <https://doi.org/10.22214/ijraset.2021.39242..>
- [4]. Anupam Sharma, Mahesh Parmar, A Survey on Text Pre-Processing and Feature Extraction Techniques for Sentiment Analysis of Twitter Data. International Research Journal of Computer Science (IRJCS).20 December 2021, Volume 08, Issue 12, PP: 271-278, ISSN: 2393-9842, doi: <https://doi.org/10.26562/irjcs.2021.v0812.001>
- [5]. Ruchi Jayaswal, Manish Dixit, "Detection of Hidden Facial Surface Masking in Stored and Real Time Captured Images: A Deep Learning Perspective in Covid Time", IETA- Traitement du Signal, ISSN: 0765-0019, Vol. 38, No.6, December 2021, pp. 1875-1885 DOI: <https://doi.org/10.18280/ts.380632>
- [6]. Devanshu Tiwari, Manish Dixit, Kamlesh Gupta, "Deep Multiview Breast Cancer Detection: A Multi-View Concatenated Infrared Thermal Images Based Breast Cancer Detection System Using Deep Transfer Learning", IETA- Traitement du Signal, ISSN: 0765-0019, Vol. 38, No. 6, December 2021, pp.1699-1711 DOI: <https://doi.org/10.18280/ts.380613>
- [7]. Singh, T. P., Pandey, M (2021). Employee Role in Improving the Brand Image in the Indian Market. Empirical Economics Letters, ISSN 1681-8997 20(3).
- [8]. Singh, T. P., & Khandelwal, U., (2021). Relationship between green marketing and behavioral intention empirical evidence from Indian consumers. International Journal of Green Economic
- [9]. Manish Rajvaidya, Deepak Batham, "Efficient cluster based protection strategy to improve survivability in optical networks," In International Conference on Control, Automation, Power and Signal Processing (CAPS-2021), IIITDM Jabalpur, 10-12 Dec. 2021, IEEE.
- [10]. Gagandeep Kaur, Shubhi Kansal, "Power Law Transformation based Weighted Clipping Tri-Histogram Equalization", In Sixth International Conference on Image Information Processing (ICIIP 2021), JUIT, Shimla, 26-28 Nov. 2021, IEEE.
- [11]. Karuna Markam, Pooja Sahoo, "Surveillance Robot for The Live Video Transmission Application", In Recent Trends in Sensor Research & Technology Journal, Volume 8, Issue 2, DOI: 10.37591/RTSRT
- [12]. Shishir Dixit, "DC Side Controllers for Grid Connected Hybrid Renewable Energy Sources" presented in the "2nd IEEE International Conference on Electrical Power and Energy Systems (ICEPES-2021)". Organized the Department of Electrical Engineering, Maulana Azad National Institute of Technology, Bhopal, and the Department of Electrical and Instrumentation Engineering, Sant Longowal Institute of Engineering and Technology (SLIET), Longowal (conference is Technically sponsored by IEEE Bombay Section and Financially sponsored by IEEE MP Section) during December 10 - 11, 2021.
- [13]. Shishir Dixit "AC Side Controller for Grid Connected Hybrid Renewable Energy Sources" presented in the "Second IEEE International Conference on Smart Technologies for Power, Energy and Control (STPEC 2021)" organized at CEC, Bilaspur held during December 19 – 22, 2021.
- [14]. Vishal Chaudhary, Manjaree Pandit, Hari Mohan Dubey, "Renewable Energy Integrated Economic Dispatch using Intelligent Techniques: An overview" presented in Third International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology "ICSISCET 2021" (Technically Sponsored by Soft Computing Research Society) & MITS Gwalior during 13-14 November 2021 via online mode (on WebEx platform).
- [15]. Aman Kashyap, Manjaree Pandit, Lillie Dewan and Vikram Saini, "Sparse Optimization of Output Error Model using Genetic Algorithm" presented in Third International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology "ICSISCET 2021" (Technically Sponsored by Soft Computing Research Society) & MITS Gwalior during 13-14 November 2021 via online mode (on WebEx platform).
- [16]. Praveen Bansal., Singh, A. Nonlinear adaptive normalized Huber control algorithm for 5-level distribution static compensator. Electr Eng (2021). <https://doi.org/10.1007/s00202-021-01424-0>
- [17]. Praveen Bansal, Singh, A "Closed Loop Control Using RSAPS Algorithm for 5-Level CHB Multilevel Inverter" . International Journal of Control and Automation, Springer (2021) (Accepted for publication)
- [18]. Nikhil Paliwal, Laxmi Srivastava, and Manjaree Pandit, "Performance Evaluation of Sine Cosine Algorithm Based Controllers for LFC in an Isolated Hydro Power System Integrated with Energy Storage System", presented in 3rd International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2021), Organized by Madhav Institute of Technology & Science, Gwalior, India, Technically Sponsored by Soft Computing Research Society, November 13-14, 2021.
- [19]. Poonam Singh, Manjaree Pandit and Laxmi Srivastava, "Optimal sizing of stand-alone hybrid energy system using black widow optimization technique", presented in 3rd International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2021), Organized by Madhav Institute of Technology & Science, Gwalior, India, Technically Sponsored by Soft Computing Research Society, November 13-14, 2021.
- [20]. Vimal Tiwari, Hari Mohan Dubey and Manjaree Pandit, "Optimal Planning of Renewable Based Micro-Grid using Bald Eagle Search Algorithm", presented in 3rd International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2021), Organized by Madhav Institute of Technology & Science, Gwalior, India, Technically Sponsored by Soft Computing Research Society, November 13-14, 2021.
- [21]. Sunita Shukla and Manjaree Pandit, "An Overview of Recent Nature Inspired Computational Techniques for Dynamic Economic Dispatch", presented in 3rd International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2021), Organized by Madhav Institute of Technology & Science, Gwalior, India, Technically Sponsored by Soft Computing Research Society, November 13-14, 2021.
- [22]. Designing an optimum and reduced order filter for efficient ECG-QRS peak detection and classification of arrhythmia data, Hemant Ambia and Arun Kumar Wadhvani, Hindawi, Journal of healthcare Engineering, Volume 2021, Article ID6542290, pp1-17, (<https://doi.org/10.1155/2021/6542290>).
- [23]. Manoj Kumar Ojha, S.Wadhvani, A.K. Wadhvani and A Shukla, Automated Identification of Tachyarrhythmia from Different Datasets of Heart Rate Variability using a Hybrid Model Deep Learning International Conference on Computational Intelligence, 27-28 Dec 2021, IIIT Pune. (Best Paper award in track on Machine Learning)
- [24]. Rajni Maurya and Sulochana Wadhvani "Brain MR Image Preprocessing & Tumor Segmentation using Morphology & Watershed Algorithm", presented in 3rd International Conference on Sustainable and Innovative Solutions for Current



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- Challenges in Engineering & Technology (ICSISCET 2021), Organized by Madhav Institute of Technology & Science, Gwalior, India, Technically Sponsored by Soft Computing Research Society, November 13-14, 2021.
- [25]. Rajni Maurya and Sulochana Wadhvani, "Morphology Based Brain Tumor Identification and Segmentation in MR Images", presented in 3rd IEEE Bombay Section Signature International Conference (IBSSC-2021), organized by IEEE Bombay Section and ABV-IITM Gwalior, India, 18-20 November 2021.
  - [26]. Rinisha Bagaria, Sulochana Wadhvani and A K Wadhvani "Bone Fracture Detection in X-Ray Images Using Convolution Neural Network", presented in 3rd International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2021), Organized by Madhav Institute of Technology & Science, Gwalior, India, Technically Sponsored by Soft Computing Research Society, November 13-14, 2021.
  - [27]. Prof. S.C. Pal presented a technical paper entitled "CFD simulation of patient specific bifurcated carotid artery with Newtonian and non-Newtonian viscosity models" in the International Conference on Energy Conversion and Thermo-fluid System (i-CONNECTS 2021) ON 19-20th November, 2021 under the aegis of the Deptt. Of Mech. Engg., MNIT Jaipur.
  - [28]. Dr. Surendra Kumar Chourasiya wrote a book chapter on "Tribology of Spray- Formed Aluminum Alloys and Their Composites".
  - [29]. Dr. Ashish Agrawal, Abhinav Kumar, Seepana Praveen Kumar & Vladimir Ivanovich Velkin have published a journal Paper titled "Alternating current losses in superconducting circular/stacked coils used in energy storage systems" in the Journal of Energy Storage, pp.1-12, vol. 45.
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## Media Coverage

**एमआईटीएस: कमेटी प्रोफेसरस से चर्चा कर तैयार करेगी विजन प्लान**

ग्वालियर। माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस (एमआईटीएस) में गुरुवार को केंद्रीय मंत्री सिंधिया ने कमेटी प्रोफेसरस से चर्चा कर तैयार करेगी विजन प्लान।

**पत्रिका plus**

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education फ्लैक्सिबल कॅरिक्लम के अंतर्गत एमआईटीएस में लॉन्च किए कोर्स

**स्टूडेंट्स सीएस व सीई से संबंधित विषय में लें माइनर डिग्री**

हाल ही में शुरू हुए नए कोर्स

**एमआईटीएस में मनाया गया स्थापना दिवस**

सिटी रिपोर्टर | माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस (एमआईटीएस) का 64वां स्थापना दिवस रविवार को मनाया गया। सबसे पहले जीवाजी राव सिंधिया की प्रतिमा पर माल्यार्पण किया गया। इस मौके पर सिंधिया एजुकेशन सोसाइटी के सचिव रमेश अग्रवाल ने कहा कि संस्थान की स्थापना तीन ब्रांच के साथ हुई थी और आज 16 से भी ज्यादा ब्रांच यहां संचालित हैं। संस्थान के डायरेक्टर डॉ. आरके पंडित ने कहा कि ग्वालियर आज शिक्षा का मुख्य केंद्र है। यहां देशभर से विद्यार्थी शिक्षा लेने आते हैं। ये संस्था ग्वालियर की जनता को सिंधिया परिवार की अभूतपूर्व देन है। संस्थान में नई शिक्षा नीति के साथ पढ़ाई शुरू हो गई है। साथ ही इस वर्ष से विद्यार्थियों के लिए कुछ नए कोर्स भी शुरू किए गए हैं। इस अवसर पर संस्थान के फैकल्टी मेंबर और स्टाफ के सदस्य मौजूद रहे।

## TEAM NEWSLETTER



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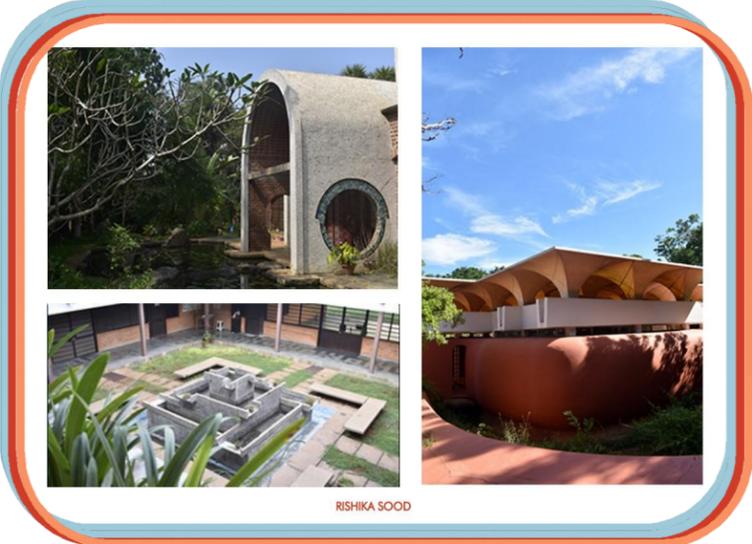
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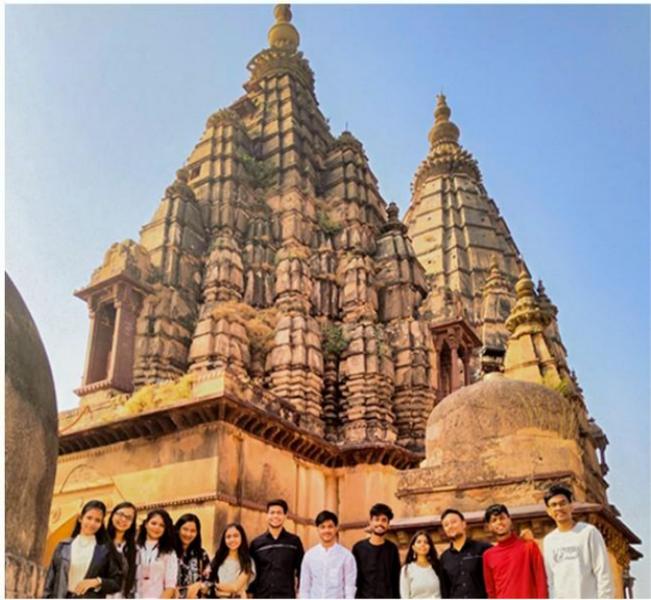
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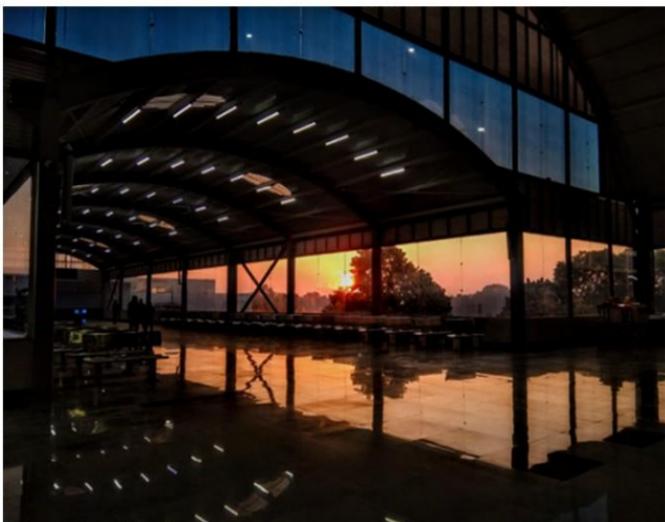


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