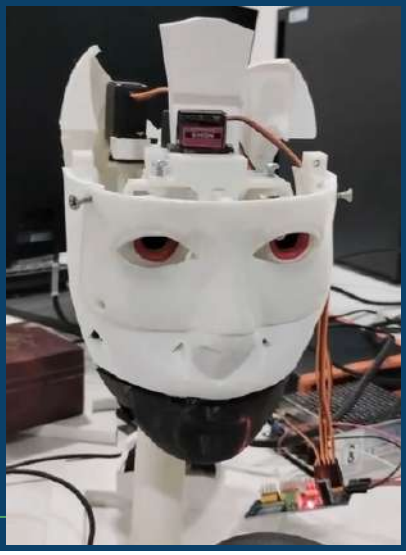
माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE

VOLUME 13 ISSUE 02, APRIL-JUNE, 2025

E-NEWSLETTER

"MISSION TO INNOVATE TECHNOLOGY FOR SOCIETY"



HIGHLIGHTS

- EVENTS & MOMENTS
- FACULTY ACCOLADES
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EVENTS & MOMENTS

AI Humanoid Innovation #Industry5_0

The MITS team of Samriddhi Chauhan and Divyansh Rahangdale, guided by Er. Harshdeep Sharma and Dr. R. R. Singh , secured 1st position in the 'Industry 5.0' category at the state-level SRIJAN 2025 competition held at RGPV, Bhopal, for their innovative project Development of an Interactive AI Humanoid Head, winning a prize of ₹20,000.

Meet ANANT – an AI-powered humanoid head developed by the brilliant minds at Madhav Institute of Technology & Science (MITS), Gwalior. Capable of facial and voice recognition, intelligent conversation, and smart assistance, ANANT is a remarkable step towards Industry 5.0 and human-machine collaboration.

This innovation showcases the true potential of next-gen engineering, MITS continues to lead in cutting-edge technological advancements and nurturing student innovation.

Best Studio Project Award (Northern Interface) at Transparence 19.0

4th year student, Harsh Agrawal, from the Department of Architecture and Planning, MITS Gwalior, has been recognized with the Best Studio Project Award (Northern Interface) at Transparence 19.0 – Reimagining the Central Business Districts, hosted by Saint-Gobain in collaboration with Ethos.

The award-winning project, mentored by Prof. S.S. Jadon and Prof. Pranshi Jain, showcased an innovative approach to mixed-use high-rise development, integrating sustainable features, contextual form development, and urban sensitivity.

Startup Cell

Poster Exhibition Highlights

On April 5, 2025, the Startup Cell proudly hosted a vibrant Poster Exhibition featuring the talent of students from NEC00025 & 2000152 - Innovation: From Creativity to Entrepreneurship-II. With 17 dynamic submissions, the event celebrated creativity, tech innovation, and social impact.

- **Diverse Ideas, One Vision**

Students from CSBS, EE, MAC AI, IoT, and CS presented powerful, interdisciplinary solutions that tackled real-world challenges.

- **Interactive & Inspiring**

The exhibition was a hub for exchange—participants engaged in thoughtful conversations, explored startup ideas, and fostered peer-faculty collaboration.

- **Posters to Possibilities**

From AI-powered solutions to sustainability-focused projects, each idea reinforced that innovation has no limits!

Faculty Induction Program

Faculty Induction Program held from 01/04/2025 to 05/04/2025 at MITS Deemed University. This 5-day program was thoughtfully designed to equip our new faculty members with a holistic understanding of the academic, administrative, and research frameworks within the deemed university and beyond. The sessions were led by experts who shared practical insights and strategies for impactful teaching, active research involvement, and overall student development.

NPTEL MITS-DU Local Chapter

MITS-DU NPTEL Local Chapter Ranked 17 (AAA rating) across 8000+ local chapters across country

Total Present	Gold	Silver	Elite	Successfully Completed	Toppers
4403	122	1060	1609	913	178

World Earth Day on April 23, 2025

The Department of Civil Engineering, MITS Gwalior, in association with IWWA Local Chapter and IWWA Student Chapter, celebrated World Earth Day on April 23, 2025 in the Civil Engineering Seminar Hall. The theme of the program was "Our Power, Our Planet". Eminent experts including Er. R.L.S. Mourya (Chief Engineer, PHED Gwalior), Er. K.N. Jha (Former Deputy Director, CSTRI Kolkata), and Dr. C.S. Malvi (MITS Gwalior) delivered insightful talks. The event highlighted the importance of environmental conservation and sustainable development, inspiring students to contribute towards protecting our planet.

World Environment Day on June 08, 2025

The session was delivered by Er. R.K. Singhal, Ex-Chief Engineer, Delhi Jal Board, who spoke on the importance of sustainable water management with a special focus on roof water harvesting and conservation practices.

Expert Lecture

An expert lecture was delivered by Er. Kavya Jain, Assistant Engineer, Water Resources Department, on Saturday, April 5, 2025. The session provided valuable insights on practical aspects of water resources management and its role in sustainable development. This lecture was organized under the industry collaborative course, aimed at bridging the gap between academic learning and professional practices. Students actively participated and benefitted from the expert's knowledge.

An expert lecture on "Water Distribution and Network Design" was delivered by Er. K.K. Shrivastava on Monday, April 14, 2025. The lecture focused on modern approaches and practical applications in designing efficient water distribution systems. Conducted as part of the industry collaborative course, the session helped students connect theoretical knowledge with industry practices, thereby enriching their technical understanding.

MoU Signed

The Department of Civil Engineering, MITS Gwalior, has signed a Memorandum of Understanding (MoU) with Central Building Research Institute (CBRI) to strengthen academia–industry collaboration.

FACULTY ACCOLADES

- *Dr Yashwant Sawle, Deliverd conference paper presentation title "Hybrid Renewable Energy Systems: Enhancing Sustainability in Ahmedabad using Homer Pro" in physical mode for ICTIS-2025 at Bangkock Thailand.*
- *Dr Yashwant Sawle recognized as an NPTEL Star (NPTEL ENTHUSIASTS) dated: May 29, 2025.*
- *Dr Yashwant Sawle Shortlisted as Translator for NPTEL lectures, Mar 11, 2025.*
- *Dr. Aditya Dubey has provided valuable support and cooperation as a Program Committee Member and Reviewer in the 6th World Conference on Artificial Intelligence: Advances and Applications (WCAIAA 2025) to be held at Sardar Patel University, Mandi, India during May 17-18, 2025.*
- *Dr. Aditya Dubey has provided valuable support and cooperation as a Program Committee Member and Reviewer in the 6th World Conference on Artificial Intelligence: Advances and Applications (WCAIAA 2025) to be held at Sardar Patel University, Mandi, India during May 17-18, 2025.*
- *Dr. Kaushal Pratap Sengar identified as an NPTEL Believer, NPTEL Enthusiast by NPTEL-AICTE. Jan-Apr 2025.*
- *Dr. Aftab Ahmed Ansari identified as an NPTEL Discipline Star, NPTEL Motivated Learner by NPTEL-AICTE. Jan-Apr 2025.*
- *Dr. Dhananjay Bisen received recognition as an NPTEL Star by NPTEL-AICTE. Jan-Apr 2025.*
- *Prof. Anish P. Jacob Got Elite + Silver & 5 % topper certificate in 8 weeks NPTEL course on "Food Packaging Technology" during July - Sept 2025.*

FACULTY DEVELOPMENT

- *Dr Prachi Singh and Dr Hemant Shrivastava attended the INAE-Indian National Academy of Engineering Centre for Engineering Education & Excellence (CEEE) Program from 23 June 2025 to 04 July 2025.*
- *Dr. Geetam Shukla attended the Faculty Development Programme (Offline) entitled "IoT and Its Applications," conducted by the Centre for IoT in collaboration with IIT-Guhawati and Madhav Institute of Technology & Science, Gwalior, from 24th March to 29th March 2025.*
- *Geetam Shukla attended the Online Faculty Development Programme titled "IoT and ML for Advanced Biomedical Signal Processing," organized by Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior & Electronics and ICT Academy, (Phase II) Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, during January 15-24, 2025.*
- *Dr. Aditya Dubey completed the International Faculty Development Programme on "FIBRES'25," held from 19th to 24th May, 2025, organized by the Research & Development Cell and Innovation & Incubation Council, Syed Ammal Arts and Science College, Ramanathapuram.*
- *Dr. Aditya Dubey completed a one-week online FDP on "Advanced AI Development and Research Challenges" organized by the IT Department & IEEE Student Branch REC Banda from 21 to 25 April 2025.*
- *Dr. Aditya Dubey has actively participated in the FDP on "AI Enhanced Education" Organized by the Eswar College of Engineering, Kesanupalli, Narasaraopet, on 26th June, 2025*
- *Dr. Aftab Ahmed Ansari participated in the seven-day International Workshop on "Recent Trends in Electric Vehicles: Global Perspective," held from 19th May 2025 to 25th May 2025 in online mode, organized by the Center for Electric Mobility, Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Kattankulathur, Chennai, India.*
- *Dr. Abhishek Narwaria completed a one-week Faculty Induction Program (FIP) with an "A grade" held from 1st April 2025 to 5th April 2025 organized by the Internal Quality Assurance Cell (IQAC) at the Madhav Institute of Technology and Science (MITS-DU) in Gwalior, Madhya Pradesh, India.*
- *Dr. Abhishek Narwaria completed one-week Peer Learning Training Program on "From Machine Learning to Generative AI: A Practical Pathway for Educators" held from 15th April 2025 to 22nd April 2025, organized by Department of Computer Science and Engineering, MITS-DU, Gwalior, Madhya Pradesh, India*
- *Dr. Abhishek Narwaria completed a one-week peer learning training program on "Introduction to Data Science" held from 23rd April 2025 to 29th April 2025, organized by the Centre for Artificial Intelligence, MITS-DU, Gwalior, Madhya Pradesh, India.*
- *Dr. Abhishek Narwaria completed a one-week peer learning training program on "Computer Vision" held from 01st May 2025 to 07th May 2025, organized by the Centre for Artificial Intelligence, MITS-DU, Gwalior, Madhya Pradesh, India.*
- *Dr. Abhishek Narwaria completed a one-week Faculty Development Program (FDP) on "Internet of Things—Design Concepts and Use Cases" held from 26th May 2025 to 30th May 2025 in online mode, organized by the Dept. of Information Management and Emerging Engineering, National Institute of Technical Teachers' Training and Research (NITTTR) Chandigarh, India.*

FACULTY DEVELOPMENT CONTINUE...

- *Dr. Yogesh Kumar, ET department, successfully completed the two-week Faculty Development Program on "Semiconductor Devices Circuits & Sensors: Applications & Research Perspective" jointly organized by Electronics and ICT Academy, NIT Patna, IIITDM Jabalpur, MNIT Jaipur, IIT Kanpur, and IIT Roorkee under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)" by the Ministry of Electronics and Information Technology (MeitY), Government of India, from 09th June, 2025, to 20th June, 2025.*
- *Dr. Yogesh Kumar, ET department, successfully completed the 5-day online workshop "Hands-on Training on Nanomaterials and Nanodevices using RESCU (DFT+DFPT) and NanoDcal (DFT+NEGF) Solvers." Organized by Impulse Technology from 19 to 24 May 2025.*
- *Dr. Deepak Batham Pursuing a six-month AICTE QIP PG Certificate Programme on Advances in Robotics: Process, Applications, and Technology conducted by IIT BHU, Varanasi. (Course Duration: 11-07-2025 to 31-12-2025.*
- *Dr. Shubhi Kansal completed One-week FDP attended on "Modern Forward Error Correction—From Classical Approaches to Practical Capacity—Achieving Codes," held during 9-13 June 2025, organized by Bennet University, India, in collaboration with HSE University, Russia. And completed 15 days of training on "Generative Artificial Intelligence and Machine Learning (AI/ML)" from Webplat Technologies Pvt. Ltd., Pune.*
- *Dr. Vikas Shinde attended a two-week FDP on Current Advancements in Artificial Intelligence, Machine Learning, and Data Science, from June 16 to 25, 2025, organized jointly by the Department of Mathematics, Jaypee Institute of Information Technology (JIIT), Noida, Uttar Pradesh (INDIA), and the Electronics & ICT Academy (Ministry of Electronics & Information Technology, GoI, New.*
- *Dr. Smita Parte successfully participated in the 5-day Faculty Development Program on GENERATIVE AI WITH LLM held from 7th July to 11th July 2025, organized by STEP—National Institute of Technology Karnataka in association with Pantech e-Learning.*
- *Dr. Smita Parte successfully participated in & completed a one-week FDP program on Integrating SWARN INTELLIGENCE and Machine Learning, Panimalar Engineering College in association with Pantech e-Learning.*
- *Dr. Abhishek Narwaria completed one-week Faculty Development Program (FDP) on "Fundamentals of Artificial Intelligence" held from 16th June 2025 to 20th June 2025 in online mode, organized by National Institute of Technical Teachers' Training and Research (NITTTR), Bhopal, Madhya Pradesh, India*

DIGITAL LEARNING

- *Dr. Deepak Batham completed two FDP by NPTEL-AICTE SWAYAM in "The Science of Happiness and Wellbeing" and Yoga.*
- *Dr. Karuna Markam sucessfully completed NPTEL courses Signal Processing Techniques And Its Applications, Qualitative Research Methods and Research Writing, Fuzzy Sets, Logic and Systems & Applications and Ethics in Engineering Practice.*

- *Geetam Shukla successfully completed NPTEL AICTE Faculty Development Programme course on Sensors and Actuators.*
- *Geetam Shukla successfully completed NPTEL AICTE Faculty Development Programme course on Introduction To Internet of Things.*
- *Geetam Shukla successfully completed NPTEL AICTE Faculty Development Programme course on Smart Grid: Basics to Advanced Technologies.*
- *Rajesh Sharma has successfully completed the NPTEL Programme on "Introduction to Industry 4.0 and Industrial Internet of Things" organized by IIT Kharagpur, and has been awarded the Elite Plus Silver certification.*
- *Rajesh Sharma has successfully completed the course on "Artificial Intelligence (AI) for Good: Innovate Empower and Transform" conducted by the National E-Governance Division MeitY Govt of India on 10 June 2025 through Integrated Government Online Training Portal.*
- *Rajesh Sharma has successfully completed the course on "Transmission Line Conductor, Insulators and Hardware" conducted by the Power Grid Corporation of India on 14 June 2025 through Integrated Government Online Training Portal.*
- *Rajesh Sharma has successfully completed the course on "Work Ethics" conducted by the Indian Railway Institute of Transport Management on 14 June 2025 through Integrated Government Online Training Portal.*
- *Dr Yashwant Sawle, attended NPTEL Swayam 12 week Certification course entitled Operation and Planning of Power Distribution Systems.*
- *Dr Yashwant Sawle, attended NPTEL Swayam 12 week Certification course entitled Renewable Energy Engineering: Solar, Wind, and Biomass Energy Systems.*
- *Dr. Kaushal Pratap Sengar has earned Elite + Silver Certification in 12 week NPTEL Course on "AI in Marketing" from IIT Roorkee achieving distinction as a Topper (Top 5%) Jan-Apr 2025.*
- *Dr. Kaushal Pratap Sengar has earned the Elite Certification in 12 week NPTEL course on "AI in Human Resource Management" from IIT Guwahati Jan-Apr 2025.*
- *Dr. Kaushal Pratap Sengar has earned the Elite Certification in 12 week NPTEL course on "Fuzzy Sets, Logic and Systems & Applications" from IIT Kanpur Jan-Apr 2025.*
- *Dr. Aditya Dubey has earned Elite Certification in the 12-week NPTEL course on "AI in Human Resource Management." Jan-Apr 2025.*
- *Dr. Aditya Dubey has earned Elite+Silver Certification in the 12-week NPTEL course on "AI in Marketing." Jan-Apr 2025.*
- *Dr. Aditya Dubey has earned Elite Certification in the 12-week NPTEL course on "Business Intelligence & Analytics." Jan-Apr 2025.*
- *Dr. Aditya Dubey has earned Elite Certification in the 8-week NPTEL course on "Intellectual Property." Jan-Apr 2025.*
- *Dr. Aditya Dubey has earned Elite+Silver Certification in the 8-week NPTEL course on "Introduction To Soft Computing." Jan-Mar 2025.*
- *Dr. Aftab Ahmed Ansari has earned Elite+Silver Certification in the 8-week NPTEL course on "Edge Computing." Jan-Apr 2025.*

- *Dr. Aftab Ahmed Ansari has earned Elite Certification in the 8-week NPTEL course on " Foundation of Cloud IoT Edge ML." Jan-Apr 2025.*
- *Dr. Dhananjay Bisen has earned Elite Certification in the 12-week NPTEL course on "Business Intelligence & Analytics" Jan-Apr 2025.*
- *Dr. Dhananjay Bisen has earned Elite+Silver Certification in the 12-week NPTEL course on "Fundamentals of Object Oriented Programming" Jan-Apr 2025.*
- *Prof. Anish P. Jacob Got FDP certificate in NPTEL course on " Food Packaging Technology" during July - Sept 2025.*
- *Dr. Smita Parte successfully completed two weeks, duration 20/05/2025 to 05/06/2025, conducted by NIELIT Gorakkhpur.*
- *Dr. Smita Parte successfully completed two weeks industrial training on Cloud Computing with Amazon Web Services.*

DOCTORAL LAUREATES

Dr. Abhishek Saxena, has been awarded
Ph.D. Degree in the stream of Electrical Engineering, titled
"ASSESSMENT AND ANALYSIS OF WHEELING PRICES IN RESTRUCTURED POWER SYSTEM USING AI TECHNIQUES"
(Under the supervision of Dr. Shishir Dixit)

PATENTS

Dr. Shishir Dixit, "Device to Measure Sugar Content in Food Products", Patent granted, Intellectual property rights, India, (Design 451247-001, dated 12/03/2025.

Dr. Shishir Dixit, "AI and IoT Based Route Navigation and Assistance Application System for Managing Large Scale Environment", Patent granted (Design No: 449454-001, dated 26.02.2025.

STUDENT-LED INITIATIVES

Mastering Competitive Success

A one day mandatory workshop titled "Mastering Competitive Success" was successfully conducted for III Semester students as part of their curriculum

The "Eau de Chem"

The "Eau de Chem" event took place on September 20, 2025, Organized by the Chemical Engineers Club

Report Writing

A one day mandatory workshop titled "Report Writing" was successfully conducted for I Semester students as part of their curriculum

IEI STUDENT CHAPTERS ESTABLISHED UNDER DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

The Institution of Engineers (India)

is pleased to establish Students' Chapter at the

Department of Computer Science & Engineering

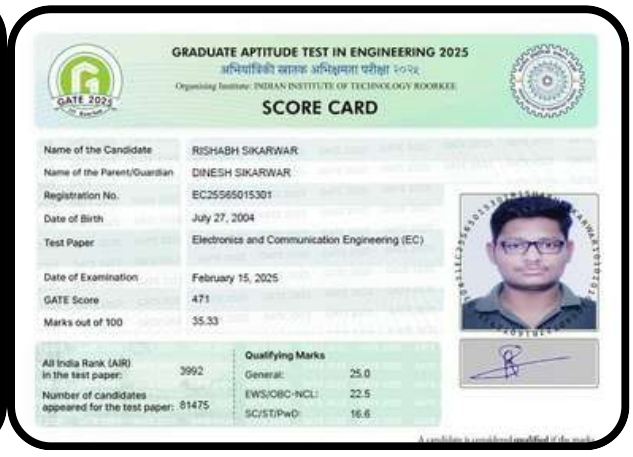
Madhav Institute of Technology & Science (Deemed to be University)

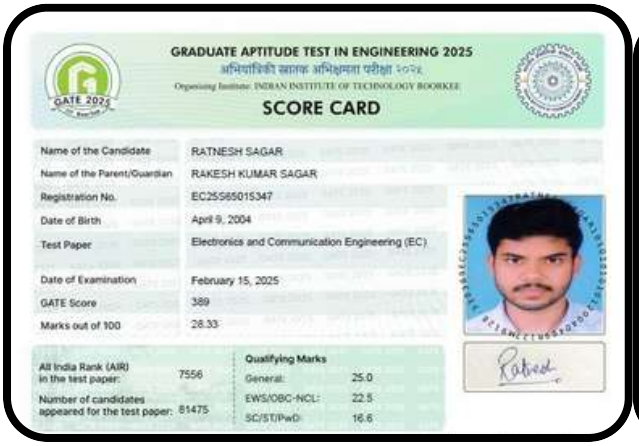
Gwalior, Madhya Pradesh

Achievements

- *Devraj Singh Chauhan (BTCE24O1026) B. Tech First Year secured the "2 RUNNER UP POSITION" in the "VOLLEYBALL TOURNAMENT SPIKEVERSE 1.0" held from 5 - 7 April 2025 at MITS-DU Gwalior. His dedication, teamwork and sportsmanship were commendable and contributed to this achievement.*
- *Gaurav Singh Sengar (BTCE24O1030) B. Tech First Year secured the "2 RUNNER UP POSITION" in the "VOLLEYBALL TOURNAMENT SPIKEVERSE 1.0" held from 5 - 7 April 2025 at MITS-DU Gwalior. His dedication, teamwork and sportsmanship were commendable and contributed to this achievement.*
- *Yogesh Singh Tomar (BTCE24O1109) B. Tech First Year secured the "2 RUNNER UP POSITION" in the "VOLLEYBALL TOURNAMENT SPIKEVERSE 1.0" held from 5 - 7 April 2025 at MITS-DU Gwalior. His dedication, teamwork and sportsmanship were commendable and contributed to this achievement.*
- *Adarsh Thapak (0901CE231006) B. Tech Second Year successfully attended the NCC Annual Training Camp-II, organized by 3 MP Naval Unit NCC, Gwalior from 06 - 15 May 2025. The camp focused on discipline, leadership, and overall personality development.*
- *Ansh Gautam (0901CE231012) B. Tech Second Year received a Certificate of Merit for his commendable achievement and consistent efforts in the field of Time Series Analysis. This recognition was conferred during Time Series Analysis 2025, organized by the Consulting & Analytics Club of IIT Guwahati.*

- *Ansh Gautam (0901CE231012) B. Tech Second Year has been selected as a finalist for the prestigious National Case Study Competition 2025, jointly organized by ESAF Foundation and VAMNICOM. His case study on "Climate Smart Sustainability through Co-Operative Spirit" has been recognized for its strong impact and publication potential. He will present his work before an expert panel in the final round scheduled on 7th July 2025.*
- *Arth Parashar (9407006959) B. Tech Third Year (Rank Cdt.,NCC) has successfully cleared the NCC Certificate 'B' Examination in 2025 with 'A' Grade under the Ministry of Defence, Government of India.*
- *Himani Jain (0901CE221041) B. Tech Third Year received the Certificate of Appreciation for being recognized as a NPTEL DISCIPLINE STAR for Jan April 2025.*
- *Druve Gupta et al. Electrical Engineering, accepted the paper titled "Hybrid Renewable Energy Systems: Enhancing Sustainability in Ahmedabad using Homer Pro" in physical mode for ICTIS-2025 at Bangkok, Thailand.*
- *Aditi Kushwah (0901EO221004) VI semester student, completed NPTEL Exam offered by IIT Kharagpur on 27 April 2025.*





RESEARCH ROUNDUP

- *Gupta, S., Sawle, Y., Thakre, K., & Thirunavukkarasu, M. (2025). Techno-economic-environmental analysis of a hybrid renewable energy system with lead acid and lithium-ion energy storage under different PV tracking orientations. Journal of Energy Storage, 130, 117417. (9.8 Impact Factor, Q1)*
- *Y. Sawle, "Assessing the economic and technical feasibility of off-grid renewable hybrid energy systems through optimization." Frontiers in Energy Research 13 (2025): 1504972. (2.4 Impact Factor, Q2)*
- *Nagendra Singh, Payal Suhane, Shilpa Kalambe Jain, Geetam Shukla, Anuprita Mishra, Economic load dispatch by the heuristic optimization techniques, Power System Management, 1st Edition, 2025, CRC Press, Pages16,eBook ISBN9781003516156.*
- *Abhishek Narwaria, and Arka Prokash Mazumdar, "SD-MoMa: ANN-Based Mobility Prediction and Adaptive Handover Management in SDWSN," Cluster Computing, Vol. 28, no. 6, pp. 1-15, 2025.*
- *S. Chatterjee, S. Ghosh, S. Chakrabarti and A. Mohapatra, "Data-Driven Bayesian Frameword to Mitigate Smart Meter Asynchrony in Forecasting Aided Distribution System State Estimation, IEEE Transactions on Instrumentation and Measurement, Vol. 74, No. 1, PP. 1-12, June2025. DOI:10.1109/TIM.2025.3577850*
- *Saurabh Kumar Rajput, Mukta Singh, Dharmendra Dheer (2025), Power quality analysis of Rooftop grid connected PV in composite climate: A Case Study, Chapter- 13, edited by: Dhiraj Magare, Prasiddh Trivedi, Kedar V. Khandeparkar, Book: Photovoltaic Modules: Fundamentals, Modelling, Performance Analysis and Control, Taylor & Francis, CRC Press (Book Chapter).*
- *Mishra, R. K., Rajput, S. K., Mishra, V., & Pandit, M. (2025). Impact of elevated PV module temperature on transformer loading and life for grid connected PV-based EV charging system. International Journal of Ambient Energy, 46(1). https://doi.org/10.1080/01430750.2025.2507132 (SCOPUS Journal)*
- *A Vaidhy, D. Batham, R Jain, AK Manjhwar, "Machine Learning-Driven Statistical Analysis of Indian Restaurants: Insights from the Zomato Dataset", Facta Universitatis, Series: Electronics and Energetics, vol. 38, no. 2, pp. 355- 374, June 2025. (WOS and Scopus)*
- *Priyabrata Sethy, Amit Kumar, Atul Kumar Ray, V.K. Chaurasiya, A. N. Dev, M.A. Sheremet, Magneto-thermogravitational convective flow of hybrid nanomaterial within an enclosure subject to partially active side walls. ZAMM-Journal of Applied Mathematics and Mechanics/Zeitschrift für Angewandte Mathematik und Mechanik, 105(5), e70055 (2025). (SCI), https://doi.org/10.1002/zamm.70055 I.F. – 3.2 (ISSN: 1521-4001).*
- *P. Deolia, Vijay Shankar Sharma & A. Singh, Exploring Discrete-Time Epidemic Behavior Based on Saturated Incidence Rate and Multiple Transmission Pathways. Qual. Theory Dyn. Syst. 24, 136 (2025). (SCI-Q1) https://doi.org/10.1007/s12346-025-01290-2 I.F -2.1.*
- *Roy, M., Baruah, U., Sharma, S., et al. (2025). Enhancing Predictive Modeling Using CT and CXR Images: A Review of Lung Disease Detection and Experimental Insights. SN Computer Science. DOI: 10.1007/s42979-025-04041-x (Scopus Indexed)*
- *Gupta, S., Roy, M., et al. (2025). 3-D Attractor Reconstruction for Enhanced ECG Classification of Arrhythmia and Congestive Heart Failure. IEEE Sensors Journal. DOI: 10.1109/JSEN.2025.3572080 (SCI Indexed)*

- *Ayushi Vaidhy, Deepak Batham, Rachit Jain, Amit Kumar Manjhwar, "Machine Learning-Driven Statistical Analysis of indian restaurants: insights from the zomato dataset", Facta Universities Series: Electronics and Energetics, DOI Number: https://doi.org/10.2298/FUEE2502355V, pp.355-374, vol.38, No 2(2025), ISSN 0353-3670.*

Conference Publications

- *A. Lodhi and P. Bansal, "Experimental Realization of Single Phase 5-Level Switched Symmetrical Multilevel Inverter using OPAL-RT," in Proc. 2025 10th IEEE Int. Students' Conf. Electr., Electron. Comput. Sci. (SCEECS), Bhopal, India, 2025, pp. 1–6, doi: 10.1109/SCEECS64059.2025.10940926.*
- *A. Lodhi and P. Bansal, "Synthesis of PEMFC with RDC Multilevel Inverters by Real-Time Testing using OPAL-RT," in Proc. 2025 3rd Int. Conf. Power Eng. Intell. Syst. (PEIS), Uttarakhand, India, 2025. [Certificate Received].*
- *A. Lodhi and P. Bansal, "Real Time IoT-Powered Air Standard Smart Monitoring," in Proc. 2025 3rd Int. Conf. Artif. Intell. Sustain. Innov. (ICAISI), India, 2025. [Certificate Received].*
- *S. Alam, Aditya Dubey and D. Bisen, "An Ensemble-Based Framework for Enhanced Missing Data Imputation," 2025 IEEE 14th International Conference on Communication Systems and Network Technologies, 2025, pp. 647-65*
- *Kaushal Pratap Sengar, K. Chandrasekaran "Modeling the Effect of Soil Ionization on Grounding System Dynamics during Transient Events" in 2nd International Conference on Advancements in Power, Communication, and Intelligent Systems (APCI 2025), held on 27–28 June 2025 at the GCE, Kannur, Kerala, India*
- *S. P. Singh Rajawat, R. Sagar, R. Jain and H. Choubey, "Design and Analysis of a Circular Patch Quad MIMO Antenna with Intermediate Ring for 5G Wireless Communications," 2025 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI), Gwalior, India, 2025, pp. 1-5, doi: 10.1109/IATMSI64286.2025.10985726.*
- *R. S. Tikar, R. Jain and V. V. Thakare, "Accelerating Antenna Development: The Role of Machine Learning Algorithms," 2025 3rd International Conference on Communication, Security, and Artificial Intelligence (ICCSAI), Greater Noida, India, 2025, pp. 789-794, doi: 10.1109/ICCSAI64074.2025.11064208.*
- *R. Sagar, S. P. Singh Rajawat, R. Jain and V. V. Thakare, "Microstrip fed Hexagonal Shaped Cross-Slotted Antenna for N257 Band Applications," 2025 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI), Gwalior, India, 2025, pp. 1-4, doi: 10.1109/IATMSI64286.2025.10985073.*
- *S. P. Singh Rajawat, R. Sagar, R. Jain, V. V. Thakare and P. K. Singhal, "Design and Analysis of a Hexagonal Patch Antenna with Star-Shaped Slot for 5G NR N257 Band and IoT Integration," 2025 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), Bhopal, India, 2025, pp. 1-4, doi: 10.1109/SCEECS64059.2025.10940689.*
- *S. Rajawat, P. Sahoo, R. Jain, H. Magarde and K. A. Shokat, "Arc-Shaped Planar Monopole Antenna for NextGeneration 5G Communication," 2025 3rd International Conference on Communication, Security, and Artificial Intelligence (ICCSAI), Greater Noida, India, 2025, pp. 1-5, doi: 10.1109/ICCSAI64074.2025.11063742.*

MEDIA MENTIONS

#engineersday बीटेक फोर्थ ईयर के छात्रों का नवाचार

इंजीनियर्स ने 1 साल में बनाए पांच सॉफ्टवेयर, कॉलेज में हो रहे उपयोग

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ग्वालियर. देश के विकास में इंजीनियर्स का बहुत बड़ा योगदान रहा है। यह क्रम आज भी जारी है। युवावस्था में ही इंजीनियर ऐसी तकनीक डवलप कर रहे हैं, जिससे सुविधाएं बढ़ सकें और लाइफ आसान हो सके। एमआइटीएस के इन आठ छात्रों ने पढ़ाई के दौरान ही पांच सॉफ्टवेयर डवलप किए, जो आज संस्थान में उपयोग हो रहे हैं। इनकी मदद से कॉलेज प्रबंधन, छात्र और फैकल्टी को सुविधा हुई है। ये सभी छात्र बीटेक फोर्थ ईयर में अध्ययनरत हैं। उनके इस सॉफ्टवेयर की डिमांड बाहर भी है।

लाइब्रेरी अब फोन पर

लाइब्रेरी मैनेजमेंट सिस्टम : इसे छात्र नवीन मित्तल ने तैयार किया है। इसकी मदद से पूरी लाइब्रेरी आपके फोन पर अवेलेबल है। बुक का स्टेटस, लाइब्रेरी में बुक जमा करने का स्टेटस, लाइब्रेरी में बुक अवेलेबिलिटी आदि देख सकते हैं। इसके साथ ही यदि छात्र का आई कार्ड खोता है तो वह अपने बारकोड से बुक इश्यू करा सकता है।

पांच मिनट में सिटिंग

एग्जाम सिटिंग अरेंजमेंट सिस्टम : इस सिस्टम को छात्र नवीन मित्तल, निशांक शाक्यवर, ऋषभ नायक ने तैयार किया है। इसकी मदद से एग्जाम में छात्रों के बैठने का अरेंजमेंट 5 मिनट का अंदर हो जाता है। इसमें अलग-अलग सब्जेक्ट के हिसाब से छात्रों की सिटिंग होती है। सारी रिपोर्ट इसी सॉफ्टवेयर से जनरेट होती हैं।

इस सॉफ्टवेयर से एनालिसिस संभव

एनाईसी रजिस्ट्रेशन पोर्टल : इस सॉफ्टवेयर को छात्र अमित राजावत, अनुराग दुबे और ऋषभ नायक ने तैयार किया है। नॉवेल इंगेजिंग कोर्स (एनाईसी) के रजिस्ट्रेशन अभी गूगल फॉर्म पर होते थे, जिससे एनालिसिस में परेशानी होती थी। इस पर इन्होंने सॉफ्टवेयर तैयार किया, जिससे रजिस्ट्रेशन, कोर्स एसाइनमेंट, ऑटोमेटिक कोर्स लॉक और एनालिसिस संभव हो सका। इससे काफी सहूलियत हो गई।

हैक नहीं हो सकेगा अब

नेट ऑथ सॉफ्टवेयर : इस सॉफ्टवेयर को छात्र संस्कार गुप्ता, अमन द्विवेदी ने तैयार किया है। इसकी मदद से बाहर का कोई भी व्यक्ति हाई स्पीड नेटवर्क को एक्सेस नहीं कर सकता। फैकल्टी और छात्रों को यूजर आइडी दिया गया है, वे ही उसे एक्सेस कर सकते हैं। इस सिस्टम को कोई हैक भी नहीं कर सकता। पहले इतनी सिक्योरिटी नहीं थी।

सीएलसी सॉफ्टवेयर : इसे छात्र नवीन मित्तल और भरत शर्मा ने तैयार किया है। इसका फायदा यह रहा कि कॉलेज लेवल काउंसलिंग (सीएलसी) में छात्र को सीट कैन्फर करने से लेकर कॉलेज आने तक काफी समय खराब करना होता था। लेकिन इस सॉफ्टवेयर की मदद से समय की काफी बचत हो रही है।

#CulturalProgram: एमआइटीएस में श्रुति अमृत कार्यक्रम में कलाकारों ने बांधा समां

महिलाओं की वेशभूषा में युवाओं ने किया नृत्य, राधा-कृष्ण, जगन्नाथ की मुद्राएं बनाईं

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ग्वालियर. गायन तकनीकी एवं विज्ञान संस्थान का उत्सव शनिवार को अहम रहा। तकनीकी संस्थान में इस दिन कलाकारों ने अपने प्रस्तुतियों से हर एक का दिल जीता। आजादी के अमृत महोत्सव के अंतर्गत थिम पेश की और दो दी दिवंगत श्रुति अमृत कार्यक्रम का शुभारंभ इस दिन हुआ।

इस मौके पर उन्होंने ने पद्मश्री विजय कुमार साहू एवं उनके समूह ने प्रसिद्ध ओडिसी लोक नृत्य गोटिपुआ प्रस्तुत किया। वहीं रामपुर से पधारे मोहम्मद अहमद कादरी एवं उनके समूह ने कव्वाली की रात्रा प्रस्तुत की। सभी को मंत्र मुग्ध किया।

पंडित उल्हास कशालकर का गायन आज

इसी क्रम में रविवार को शाम 6 बजे से डीआइजी राजन का वादन, रूपक कुलकर्णी का बांसुरी वादन एवं पंडित उल्हास कशालकर का गायन होगा।

छाप तिलक सब छीनी...

अब प्रस्तुति की मोहम्मद अहमद सरसी एवं उनके समूह की। उन्होंने कव्वाली की शानदार प्रस्तुति देकर सभी का मन मोह लिया। शुरुआत अल्ला हो अल्ला हो... से की। इसके बाद उन्होंने रब ने झोली या मोहम्मद... सुनाया। ऑडियंस की फरमाइश पर अगली प्रस्तुति उनकी छाप तिलक सब छीनी... सुनाया, जिसे सभी दोहराते नजर आए। एक के बाद एक प्रस्तुतियां देकर कलाकारों ने खूब तालियां बटोरीं।

ओडिसंस के लिए आश्चर्य भरा रहा गोटिपुआ नृत्य

गोटिपुआ नृत्य में 12 कलाकारों ने प्रस्तुति दी। इन सभी कलाकारों ने ही वेशभूषा में नृत्य किया, जो सभी के लिए आश्चर्य भरा रहा। इन कलाकारों ने भगवान की पूजा करवाई। दल के नेतृत्व विजय कुमार ने शंखनाद के साथ प्रस्तुति की शुरुआत की। इसमें कृष्ण और जगन्नाथ की स्तुति करते हैं। इसमें राधा और कृष्ण के जीवन से प्रेरित होकर कलाकारी दिखाते हैं।

एजुकेशन

एमआइटीएस में गेट टॉपर्स समिट में शामिल हुए एल्युमिनाई

आपने जो सपने देखे हैं, वे पूरे होंगे, लक्ष्य से भ्रमित न हों

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ग्वालियर. एमआइटीएस के एएएसएफ फोरम की ओर से को गेट टॉपर्स समिट हुई। इसमें पांच गेट रैंकर्स को अपने अनुभव और संघर्ष साझा किए। ये सभी एमआइटीएस से पासआउट थे, जो एल्युमिनाई की भूमिका में छात्रों को गाइड कर रहे हैं। स्पीकर कार्तिकेय कुमार ने बताया कि उन्हें प्लेसमेंट में परेशानी हुई, लेकिन सफलता मिली। कोचिंग के बिना तैयारी के मैंने गेट क्लियर किया। स्पीकर आकाश कुमार वर्मा ने बताया कि जब मैं परीक्षा की तैयारी कर रहा था, तब लगभग 70 टेस्ट सीरीज का अभ्यास किया, फिर भी मेरा स्कोर अच्छा नहीं था। लेकिन हार नहीं मानी, मेहनत की और सफलता पाई। स्पीकर पवित्र खरे ने बताया कि मैंने गेट एग्जाम से 4 महीने पहले ही तैयारी शुरू कर दी थी। मैंने गेट के लिए 3 घंटे और डीएसए के लिए 3 घंटे का समय दिया। स्पीकर अनिल कुमार चौधरी ने बताया कि गेट परीक्षा उत्तीर्ण करने के बाद साक्षात्कार के लिए बैंगलूरु से कॉल आया। यह मेरी मेहनत का परिणाम था। रिपुदमन प्रजापति ने बताया कि शिक्षकों से डाउट पूछने से तैयारी में मदद मिली।

सफलता का कोई शॉर्टकट नहीं होता

स्पीकर्स ने छात्रों को समझाते हुए कहा कि आप जो चाहते हैं, वे ही होगा। बस अपने लक्ष्य से भ्रमित न हों। खूब मेहनत करें। लाइफ को एंजॉय करने के लिए पूरा जीवन है। अभी समय केवल पढ़कर आगे बढ़ने का है। उस पर ध्यान दें। इस अवसर पर संस्थान के निदेशक डॉ. आरके पंडित ने कहा कि छात्रों में असीम ऊर्जा होती है। सफलता का कोई शॉर्टकट नहीं होता। इस अवसर पर फोरम के प्रेसीडेंट सचिन धाकड़, समन्वयक आदित्य पांडे, गोविंद सविता उपस्थित रहे। संचालन प्रो. मनीषा पाठक ने किया।

प्रतियोगिताएं भविष्य के नागरिकों का निर्माण करती हैं

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माधव प्रौद्योगिकी एवं विज्ञान संस्थान, सम विवि की हिंदी समिति द्वारा शनिवार को वार्षिक अंतर-विभागीय वाद-विवाद प्रतियोगिता 'तर्क युद्ध 2025' का आयोजन संस्थान परिसर के सभागार में किया गया। इस बौद्धिक समागम में विभिन्न विभागों से चयनित छात्रों ने सक्रिय भागीदारी निभाई और विषय पर गहन एवं संतुलित दृष्टिकोण प्रस्तुत करते हुए दर्शकों और निर्णायकों को प्रभावित किया।

इस वर्ष प्रतियोगिता का विषय अत्यंत समसामयिक और विचारोत्तेजक था क्या एक राष्ट्र, एक चुनावः भारतीय लोकतंत्र के लिए सुधारात्मक पहल है। प्रतियोगिता में प्रतिभागियों ने इस विषय के पक्ष एवं विपक्ष में अपने विचार तथ्यात्मक संदर्भों, संवैधानिक दृष्टिकोण, ऐतिहासिक उदाहरणों एवं समकालीन राजनीतिक परिप्रेक्ष्य के आधार पर प्रस्तुत किए। कार्यक्रम में मुख्य अतिथि अभिषेक शर्मा, समन्वयक, युवा आयाम, प्रज्ञा प्रवाह एवं सुजीत प्रकाश, इलेक्ट्रॉनिक अभियंता एवं स्वयंसेवी, ने अपनी गरिमामयी उपस्थिति दर्ज की। दोनों विशिष्ट अतिथियों ने न केवल प्रतिभागियों के विचारों का मूल्यांकन किया, बल्कि अपने वक्तव्य से छात्रों का मार्गदर्शन भी किया। इस प्रकार की वाद-विवाद प्रतियोगिताएं केवल भाषण कला का अभ्यास नहीं होतीं, यह युवाओं को विचारों के आदान-प्रदान, तार्किकता, और संवैधानिक चेतना का मंच प्रदान करती हैं। यह भविष्य के उत्तरदायी नागरिकों का निर्माण करती हैं। कार्यक्रम के अंत में विजेताओं की घोषणा की गई एवं पुरस्कार वितरण किया गया, जिसमें पक्ष से आदित्य राज तिवारी विजेता और हिमांशु शुक्ला उपविजेता रहे। वहीं विपक्ष से विजेता अभय सिंह चौहान रहे एवं उपविजेता अर्जुन शर्मा रहे।

एमआईटीएस सम विवि में 'तर्कयुद्ध' संपन्न

राष्ट्रीय प्रौद्योगिकी दिवस

ग्वालियर के टेक्नोक्रेट्स ने तैयार किए ऐसे रोबोट जो आसान करेंगे जिंदगी के काम

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ग्वालियर . आज के आधुनिक युग में युवा अपने अनुसंधान और नवाचारों के माध्यम से तकनीकी विकास की दिशा में सक्रिय रूप से योगदान दे रहे हैं। वे आधुनिक तकनीकों में आर्टिफिशियल इंटेलिजेंस, सस्टेनेबल एनर्जी, बायोटेक्नोलॉजी और पर्यावरणीय समाधानों पर काम कर न केवल विज्ञान की दुनिया में नया परिवर्तन ला रहे हैं बल्कि समाज के समक्ष व्यावहारिक और उपयोगी समाधान प्रस्तुत कर रहे हैं। संस्थानों में विद्यार्थी अपने नवाचारों और नई तकनीकों के माध्यम से अपने भविष्य को दिशा दे रहे हैं।

ह्यूमेनोइड रोबोट अनंत इंसानों की तरह समझदार, बोलता भी है: माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस के विद्यार्थियों दिव्यांश रहांगदले और समृद्धि चौहान ने प्रोफेसर डॉ रजनी रजन सिंह मकवाना और इंजीनियर हर्षदीप शर्मा के मार्गदर्शन में एआई सक्षम ह्यूमेनोइड हेड रोबोट का निर्माण किया जिसका नाम अनंत रखा है है। उन्होंने कहा यह विज्ञान और नवाचार के क्षेत्र में उनके लिए बड़ी उपलब्धि है इसकी जानकारी देते हुए विद्यार्थियों ने बताया यह बुद्धिमान रोबोट मानव की तरह बातचीत करता है, प्रश्नों के उत्तर देता है और विभिन्न व्यक्तियों के साथ संवाद कर सकता है। उन्होंने कहा यह मानव मशीन सहयोग का एक आधुनिक उदाहरण है।

स्मार्ट डेस्क असिस्टेंट, मेडिकल रिमाइंडर देने में सक्षम

उन्होंने बताया इसमें सर्वो मोटर्स, 3 डी प्रिंटेड भागों, एआई आधारित न्यूरल लैंग्वेज प्रोसेसिंग का प्रयोग किया गया है। यह रोबोट चेहरे की पहचान, आवाज की पहचान करने में सक्षम है इससे इसका उपयोग सुरक्षा के क्षेत्र में किया जा सकता है। साथ ही यह स्मार्ट उत्तर देने, अभिव्यक्तियां दिखाने में भी सक्षम है जो इसे और अधिक मानवीय रूप प्रदान करता है। वहीं यह आम लोगों की तरह कार्य करने के सहयोग प्रदान कर सकता है जिसमें मेडिकल रिमाइंडर देने, स्मार्ट डेस्क असिस्टेंट की तरह कार्य कर सकता है। उन्होंने कहा वर्तमान समय में अधिकतर कार्य एआई, रोबोट्स के द्वारा किए जा रहे हैं ऐसे में इस तरह के अन्वेषणों से भविष्य में मानव के कार्य सरल हो सकेंगे।

TEAM E-NEWS PAPER

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