



# Centre for Internet of Things

## NEWSLETTER



# The IoT- Insider

न हि ज्ञानेन सदृशं पवित्रमिह विद्यते ॥



(Bhagavad Gita, Chapter 4)



- Faculty Attended FDP Programs
- Faculty Attended Workshops/Seminars
- Faculty Publications
- Faculty Achievements
- Faculty Interaction with Outside World
- Students Achievements , Awards and Internship
- Latest News in IoT



## FACULTY Publications

- Agrawal, A., **Bisen, D.**, Saurabh, P. *et al.* Optimized Automated Machine Learning Framework for Hyperparameter Tuning. *Natl. Acad. Sci. Lett.* (2026). <https://doi.org/10.1007/s40009-026-02043-8> [SCIE+SCOPUS (Q2)]
- **S. Ghosh**, "Enhanced Non-Intrusive Load Monitoring via Optimized Feature Selection and Majority-Voted Ensemble Learning," accepted in January 2026 for publication in IEEE Transactions on Consumer Electronics, DOI: 10.1109/TCE.2026.3655575.
- **Kaushal Pratap Sengar et.al** "Design of PCB Rogowski coil using 3D model for nanosecond pulsed current measurement and finite element method-based investigation with experimental validation." *Engineering Research Express* 8, no. 1 (2026): 015304. DOI 10.1088/2631-8695/ae2e8d



## FACULTY Publications (Conferences)

- A. Jaiswal, D. Soni, **D. Bisen**, A. Dubey and P. Garg, "IoT-Based Intelligent Gas Leakage Detector," *2026 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS)*, Bhopal, India, 2026, pp. 1-5, doi: 10.1109/SCEECS68810.2026.11430084

## FACULTY ACTIVITIES ORGANIZED (WORKSHOP/CONFERENCE/FDP/STC/WEBINAR)

- **Dr. Saurabh Kumar Rajput** served as organizing secretary for the 4th International Student Conference on Multidisciplinary and Current Technical Research (ISCMCTR-2026), organized from 26.03.2026 to 27.03.2026.



**दैनिक भास्कर** ग्वालियर 27-03-2026

### एमआईटीएस में इंटरनेशनल कॉन्फ्रेंस शुरू

**STUDENT CONFERENCE**

सिटी रिपोर्टर • ग्वालियर | माधव प्रौद्योगिकी एवं विज्ञान संस्थान में आयोजित दो दिवसीय चौथे इंटरनेशनल स्टूडेंट कॉन्फ्रेंस ऑन मल्टीडिसिप्लिनरी एंड करंट टेक्निकल रिसर्च-2026 का गुरुवार को शुभारंभ हुआ। कार्यक्रम में मुख्य अतिथि विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार के सचिव प्रो. अभय करंदीकर शामिल हुए, जबकि टेलर यूनिवर्सिटी, मलेशिया से डॉ. चांग यून फाह ऑनलाइन माध्यम से जुड़े। विशिष्ट अतिथि डेलॉइट कंसल्टिंग के मैनेजिंग डायरेक्टर डॉ. संदीप शर्मा उपस्थित रहे। कार्यक्रम में मुख्य अतिथि प्रो. करंदीकर ने सरकार की डीप-टेक स्टार्टअप्स व विश्वविद्यालयों के लिए फंडिंग योजनाओं की जानकारी दी। डॉ. संदीप शर्मा ने छात्रों को शोध को उपयोगी उत्पाद में बदलने की प्रेरणा दी। सम्मेलन में



145 शोध पत्र प्राप्त हुए, जिनमें से 51 को स्वीकृति मिली। पहले दिन तीन ऑफलाइन टेक्निकल सेशन हुए, जिनमें पेपर प्रेजेंटेशन के साथ डॉ. चांग यून फाह का कीनोट सेशन भी आयोजित हुआ। इस दौरान कुलपति प्रो. आरके पंडित, शिक्षक एवं विद्यार्थी उपस्थित रहे।

## FACULTY ACTIVITIES ORGANIZED (WORKSHOP/CONFERENCE/FDP/STC/WEBINAR)

- **Dr. Saurabh Kumar Rajput** served as coordinator for the two days In-house workshop on “Future-Ready Accreditation: Navigating NBA/NAAC Changes & SDG Integration”. organized by IQAC, MITS Deemed University, Gwalior, from 13 to 14 February 2026



## FACULTY ACTIVITIES ORGANIZED (WORKSHOP/CONFERENCE/FDP/STC/WEBINAR)

- A highly informative webinar on “**Global Internships and Masters Roadmap**” was successfully organized by **Dr. Murli Manohar** and **Dr. Soumyajit Ghosh** on **28th March** at **6:30 PM IST**. The session was hosted under the banner of the **IEEE RAS & IEEE IAS Student Branch, MITS-DU Gwalior**,





## FACULTY Achievements and Awards

- **Dr. Saurabh Kumar Rajput** received the following awards during the MITS day, celebrated on 10th March, 2026
  1. Significant Research Contribution for being Among the Top Researchers of MITS - Deemed University, Gwalior
  2. Significant Contribution for Successful Recording of Lectures for SWAYAM Platform as SME for the Course "Maintenance and Testing of Electrical Machines" in Collaboration with SWAYAM National Coordinator- IGNOU, New Delhi
  3. Appreciable Contribution for Organization of Five Days Faculty Enablement Program (Peer to Peer Learning) on "Python Programming" [15.04.2025 to 22.04.2025]
  4. Appreciable Contribution for Successful Launch of MOOC for MITS-DU on "Electric Vehicle" in the Session July-Dec 2025
  5. Special Awards Constituted by EC (Executive Council) for Exemplary Academic, Administrative and Research Contribution, Accomplished with Utmost Sincerity and Dedication



## FACULTY Achievements and Awards





## FACULTY Achievements and Awards

- **Dr. Dhananjay Bisen** received the following awards during the MITS day, celebrated on 10th March, 2026
  1. Appreciable Contribution for Organization of Five Days Faculty Enablement Program (Peer to Peer Learning) on "Python Programming" [15.04.2025 to 22.04.2025]
  2. Appreciable Contribution for Successful Launch of MOOC for MITS-DU on "5G and IoT" in the Session July-Dec 2025.
- **Dr. Kaushal Pratap Sengar** received the meritocracy awards for significant contribution in quality improvement during the MITS day, celebrated on 10th March, 2026



## FACULTY

### Interaction with Outside World

- Dr.Soumyajit Ghosh, Appointed as **Associate Editor** for the prestigious IEEE Transactions on Consumer Electronics, effective from **January 2026**. This role recognizes his expertise and contributions to the field of consumer electronics and involves overseeing the peer-review process.
- **Dr. Murli Manohar** delivered online expert session on “*Recent Trends and Advancements in Electric Vehicles*” during the SAGE Winter School Program on Electric Vehicles Installation and Design, organized during 19-24 Jan. 2026 by SAGE Group, Bhopal (M.P.).



## Students Achievements and Awards

- **Nitesh Patidar (090IO1231036)**, VI Semester student, successfully presented a research paper at the *International Conference on Recent Advances in Intelligent and Sustainable Technologies (RAIST 2026)*, organized by Indian Institute of Information Technology, Surat, held during 23rd–25th February 2026.
- **Aryan Chourey (0901EO231012)**, VI Semester, EE-IoT student, received Consolation Prize in *Symbiosis Skill Hackathon (SSH'26)*, a national-level hackathon organized by Symbiosis University of Applied Sciences, Indore, held during 26th–27th February 2026.



## Students Achievements and Awards

- **Shivjeet Singh Bhadouria (0901EO231062)** V Semester, IT student, has participated in “SketchFest (Sketch & Hand Over Art)” organized by Amity University Madhya Pradesh, Gwalior, on 23<sup>rd</sup> march 2026.
- **Shivjeet Singh Bhadouria (0901EO231062)** V Semester, IT student, has participated in the “Table Tennis Event” organized by Madhav Institute of Technology and Science, Gwalior, during the Annual Sports Meet 2025–26 on 24<sup>th</sup> march 2026



## Students Achievements and Awards

- **Vinayak Mishra (0901EO231075)**, VI Semester, EE-IoT student, has participated in “Meritocracy Award” organized by Madhav Institute of Technology and Science, Gwalior, on the occasion of MITS Day on 10<sup>th</sup> march 2026.
- **Vinayak Mishra (0901EO231075)**, VI Semester, EE-IoT student, has participated in “IoT Innovator Training Kit Development” organized by Madhav Institute of Technology and Science, Gwalior, on 10<sup>th</sup> march 2026



## Students Achievements and Awards

- **Manjeet Gurjar (0901EO231033)**, VI Semester, EE-IoT student, has participated in “Meritocracy Award” organized by Madhav Institute of Technology and Science, Gwalior, on the occasion of MITS Day on 10<sup>th</sup> march 2026.
- **Manjeet Gurjar (0901EO231033)**, VI Semester, EE-IoT student, has participated in “IoT Innovator Training Kit Development” organized by Centre for Internet of Things, Madhav Institute of Technology and Science, Gwalior, on 10<sup>th</sup> march 2026.



## Students Achievements and Awards

- **Aaradhya Puranik (BTIO24O1001)**, IV Semester, Internet of Things (IoT) student, has participated in “Symbiosis Skill Hackathon (SSH’26)” organized by Symbiosis University of Applied Sciences, Indore, on 26th–27th February 2026.
- **Pushendra Singh Kurmi (BTIO24O1059)**, IV Semester, IT-IoT student, has participated in “Three-Day Cricket Tournament (Runner-Up)” organized by Madhav Institute of Technology and Science, Gwalior, during Annual Sports Meet 2025–26 on 25<sup>th</sup> march 2026.





## Students Achievements and Awards

- **Khushi Shakya (0901IO231030)**, has participated in “TATA Crucible Campus Quiz” organized by MITS-DU, Gwalior, on 12<sup>th</sup> march 2026.
- **Devanshu Gupta (0901IO231015)**, has been recognized for his service as Treasurer of the IEEE Student Branch, organized by Madhav Institute of Technology and Science, Gwalior, on 26<sup>th</sup> march 2026.
- **Daksh Bhadouria (0901EO231016)**, has participated in “Ideathon: Imagine–Innovate–Impact (SAMWAD)” organized by Maulana Azad National Institute of Technology (MANIT), Bhopal, on 10<sup>th</sup> April 2026.



## Students Achievements and Awards

- **Divyansh Rajput (BTIO24O1028)**, IV Semester, Internet of Things (IoT) student, has participated in “Competitive Programming Achievement (Top Five Performers)” organized by Madhav Institute of Technology and Science, Gwalior, on 13th February 2026.
- **Manas Kukreja (BTEO24O1030)**, IV Semester, EE-IoT student, has participated in “IoT Starter Training Kit Development” organized by Madhav Institute of Technology and Science, Gwalior, on the occasion of MITS Day on 10<sup>th</sup> March 2026.





## Students Achievements and Awards

- **Aman Sharma (BTIO24O1008)**, IV Semester, Internet of Things (IoT) student, has participated in “DevSprint: Leveraging the Power of AI” organized by GDG on Campus at MITS-DU, Gwalior, on 24<sup>th</sup> January 2026
- **Aman Sharma (BTIO24O1008)**, IV Semester, Internet of Things (IoT) student, has served as an Organizing Team Member in “Aarunya 2026” organized by MITS-DU, Gwalior, on 21<sup>st</sup> -23<sup>rd</sup> February 2026.
- **Aman Sharma (BTIO24O1008)**, IV Semester, Internet of Things (IoT) student, has participated in “Cyber Security Workshop” conducted by Cyndia in association with Cognizance 2026, IIT Roorkee, on 14<sup>th</sup> January 2026.





## Students Achievements and Awards

- **Aman Sharma (BTIO24O1008)**, IV Semester, Internet of Things (IoT) student, has successfully completed “Business Development Internship” at Zeepty Technologies Pvt. Ltd. on April 2026.
- **Aman Sharma (BTIO24O1008)**, IV Semester, Internet of Things (IoT) student, has participated in “MindHive 2K26” organized by Indian Society for Technical Education Students' Chapter (ISTE Society), at MITS-DU Gwalior, on 8<sup>th</sup> March 2026.





## Students Achievements and Awards

- **Amit Kumar Vishwakarma (BTIO24O1009)**, IV Semester, Internet of Things (IoT) student, has participated in “DevSprint: Leveraging the Power of AI” organized by GDG on Campus at MITS-DU, Gwalior, on 24<sup>th</sup> January 2026.
- **Amit Kumar Vishwakarma(BTIO24O1009)**, has served as a Technical member of the Organizing Team in “Aarunya 2026” organized by Madhav Institute of Technology and Science, Gwalior, on 21–23rd February 2026.
- **Amit Kumar Vishwakarma(BTIO24O1009)**, as part of Team “Binary Brains,” has participated in “HACKSAGON 2026 – National Level Software & Hardware Hackathon” organized by ABV-IIITM, Gwalior, and was recognized among the Top 20 teams out of 2100+ participants for outstanding performance on 3<sup>rd</sup>-5<sup>th</sup> April 2026.



## Students Achievements and Awards

- **Gaurav Arya(BTIO24O1031):** has Participated in AI-Gnite, a national-level expert session focused on artificial intelligence, organized by IEEE PES on MITS Gwalior on 21st march 2026.
- **Pushpendra Singh Kurmi (BTIO24O1059),** has Secured Runner-Up position in the Inter Department Tournament at the Annual Sports Meet 2025–26. Demonstrated teamwork, sportsmanship, and competitive excellence.



## Students Achievements and Awards

- **Poonam Dhakad (BTEC2501042)**, II Semester, EACE student, has participated in “Codemap 3.0” organized at Madhav Institute of Technology and Science, Gwalior, on 31<sup>st</sup> January 2026.
- **Poonam Dhakad (BTEC2501042)**, II Semester, EACE student, has participated in “Brain Heist Game Event” organized at Madhav Institute of Technology and Science, Gwalior, on 7<sup>th</sup> March 2026.
- **Poonam Dhakad (BTEC2501042)**, II Semester, EACE student, has participated in “DroneX Aerotech Orientation Program” organized at Madhav Institute of Technology and Science, Gwalior, on 26 January 2026



## Students Achievements and Awards

- **Alok Pratap Singh Jadon (BTIO25O1016)**, has participated in an “Expert Session” during “DevSprint: Leveraging the Power of AI” organized at Madhav Institute of Technology and Science, Gwalior, from 8 December 2025 to 24th January 2026.
- **Indraveer Singh Ghuraiya (0901EO221030)**, has successfully completed “Bootcamp on Cloud Computing” organized by NIELIT Delhi Centre under the Future Skills PRIME initiative, from 7 January to 13 January 2026.



## Latest Trends in IoT

### Satellite IoT

Satellite IoT connects devices through orbiting satellites, including GEO satellites positioned over the equator and LEO satellite constellations that move across the sky. It forms part of the 5G Non-Terrestrial Networks (NTN) evolution defined by 3GPP in Release 17, with enhancements in Release 18 and ongoing development in Release 19, which aims to further integrate satellite and cellular systems under a unified standard.

- Device simplicity: Enables a single device design to support both cellular and satellite connectivity.
- Global coverage: Connects IoT devices where terrestrial networks are unavailable.
- Resilience: Provides a secondary communication path when terrestrial networks are impaired.
- Security: Uses SIM based authentication and standards aligned encryption.





## Newsletter Team



**Dr. Manjaree Pandit**  
*Professor & Pro Vice-Chancellor*  
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(Advisor)



**Dr. Praveen Bansal**  
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## Newsletter Team



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