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## **Centre for Internet of Things**



### **NEWSLETTER**

## The IoT-Insider

"Arise, Awake, and Stop not until the Goal is reached"

Swami Vivekananda



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

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

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#### 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

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

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

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# Department's Highlights

• The B.Tech 2nd-year students specializing in the Internet of Things (IoT) secured the winner's rank at the national-level Smart India Hackathon, held at Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, on December 11-12, 2024. They achieved the first rank in the Grand Finale of the National Hackathon 2024 and received a cash prize of ₹1 lakh.









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#### **FACULTY** TRAINING PROGRAMME/ FDP ATTENDED

- Dr. Dhananjay Bisen completed FDP on Big Data Computing through NPTEL.
- **Dr. Dhananjay Bisen** completed FDP on Distributed System through NPTEL.



#### **NPTEL-AICTE Faculty Development Programme**





This certificate is awarded to

**DHANANJAY BISEN** 

for successfully completing the course

**Big Data Computing** 

with a consolidated score of 70 %





Duration of NPTEL course: 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams fore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to othe F.No. AICTE / RIFD / FDP through MOOCs / 2023



#### NPTEL-AICTE **Faculty Development Programme**

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**DHANANJAY BISEN** 

for successfully completing the course

**Distributed Systems** 

with a consolidated score of 78 %





Duration of NPTEL course: 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation course





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#### FACULTY NPTEL COURSE

- *Dr. Dhananjay Bisen* completed NPTEL course on Big Data Computing [8 week] with Elite certificate, Aug-Oct 2024.
- *Dr. Dhananjay Bisen* completed NPTEL course on Distributed System [8 week] with Elite+Silver certificate, Jul-Sep 2024.

Skill India



Insider

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### Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



DHANANJAY BISEN

for successfully completing the course

**Big Data Computing** 



Total number of candidates certified in this course: 5564





To verify the certificate

Indian Institute of Technology Kanpur

No: NPTEL24CS77S436200254

No. of credits recommended: 2 or 3



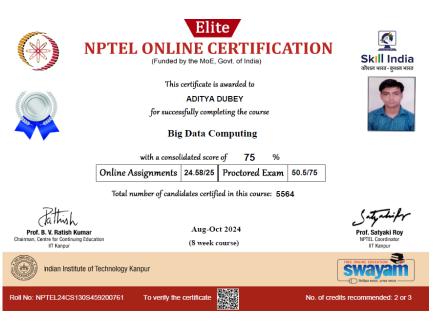


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#### FACULTY NPTEL COURSE

- *Dr. Aditya Dubey* completed the NPTEL course on Big Data Computing [8 weeks] with an Elite certificate, Jul-Oct 2024.
- *Dr. Aditya Dubey* was identified as the 5% topper of the NPTEL course on Introduction to Industry 4.0 and Industrial Internet of Things [12 weeks], Jul-Oct 2024.





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#### FACULTY NPTEL COURSE

- *Dr. Soumyajit Ghosh* completed the NPTEL course on Smart Grid: Basics to Advanced Technologies [12 weeks] with an Elite certificate, Jul-Oct 2024.
- *Dr. Soumyajit Ghosh* secured a position among the top 5% of participants in the NPTEL course Introduction to Industry 4.0 and Industrial Internet of Things (12 weeks) with an Elite certificate, Jul-Oct 2024.







Dc Microgrid and Control System

**GEETAM SHUKLA** 

with a consolidated score of 62 % Online Assignments | 15.33/25 | Proctored Exam | 46.5/75

Total number of candidates certified in this course: 250

Jul-Sep 2024 (8 week course) Skill India

#### **FACULTY NPTEL COURSE**

- **Dr. Geetam Shukla** completed the NPTEL course on Dc Microgrid and Control System [8 weeks] with an Elite certificate, Jul-Oct 2024.
- **Dr. Geetam Shukla** secured a position among the top 5% of participants in the NPTEL course Introduction to Industry 4.0 and Industrial Internet of Things (12 weeks) with an Elite Silver certificate, Jul-Oct 2024.



Insider

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#### MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत (DEEMED TO BE UNIVERSITY)



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#### **FACULTY** TRAINING PROGRAMME/ FDP ATTENDED

- *Dr. Aditya Dubey* completed FDP on Big Data Computing through NPTEL.
- Dr. Aditya Dubey completed FDP on Introduction to Industry 4.0 and Industrial Internet of Things through NPTEL.
- Dr. Soumyajit Ghosh completed the NPTEL course on Introduction to Internet of Things [12 weeks] with an Elite certificate, Jul-Oct 2024.











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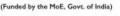
#### **FACULTY** TRAINING PROGRAMME/ FDP ATTENDED

- **Dr. Geetam Shukla** completed FDP on Dc Microgrid and Control System through NPTEL.
- Dr. Geetam Shukla completed FDP on Introduction to Industry 4.0 and Industrial Internet of Things through NPTEL.



#### NPTEL-AICTE **Faculty Development Programme**







This certificate is awarded to

**GEETAM SHUKLA** 

for successfully completing the course

Dc Microgrid and Control System

with a consolidated score of 62 %









#### **NPTEL-AICTE Faculty Development Programme**





Faculty Achievements

This certificate is awarded to

**GEETAM SHUKLA** 

for successfully completing the course Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of 79 %



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#### MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत (DEEMED TO BE UNIVERSITY)



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# FACULTY TRAINING PROGRAMME/ FDP ATTENDED

- *Dr. Dhananjay Bisen*, Assistant Professor of Madhav Institute of Technology and Science Gwalior has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on ADVANCEMENTS IN ROBOTICS (AiR-2024) at GOVERNMENT POLYTECHNIC MAHASAMUND from 14/10/2024 to 19/10/2024.
- *Dr. Murli Manohar*, Assistant Professor, Centre for Internet of Things, has successfully participated & completed the online AICTE Training And Learning (ATAL) Academy Faculty Development Program on SMART COMPUTING AND ITS APPLICATIONS IN CYBER DEFENSE & DIGITAL FORENSIC organized by JALPAIGURI GOVERNMENT ENGINEERING COLLEGE from 16/12/2024 to 21/12/2024.





Achievements

Faculty



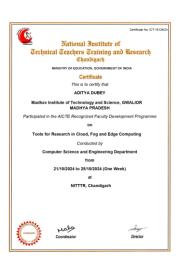


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#### FACULTY FDP ATTENDED

- *Dr. Aditya Dubey* completed AICTE Training and Learning (ATAL) FDP on "ADVANCEMENTS IN ROBOTICS (AiR-2024)" from 14-10-2024 to 19-10-2024, organised by Government Polytechnic Mahasamund.
- *Dr. Aditya Dubey* completed the AICTE-recognized faculty development program on "Tools for Research in Cloud, Fog, and Edge Computing" from 21-10-2024 to 25-10-2024, organised by NITTTR Chandigarh.









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#### FACULTY FDP ATTENDED

• *Dr. Aditya Dubey* completed AICTE-recognized faculty development Programme on "IOT Application for SDGs and Sustainable Rural Development" from 18-11-2024 to 22-11-2024, organised by NITTTR Chandigarh.

• *Dr. Aditya Dubey* completed AICTE Training and Learning (ATAL) FDP on "Artificial Intelligence and its Applications in Business Management" from 16-12-2024 to 21-12-2024, organised by ASIAN SCHOOL OF

BUSINESS.









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#### FACULTY FDP ATTENDED

- *Dr. Aditya Dubey* completed AICTE-recognized faculty development Programme on "Data Science using Python" from November 25, 2024 to November 29, 2024, organised by NITTTR Chandigarh.
- *Dr. Aditya Dubey* completed the AICTE-Recognized Faculty Development Programme on "Generative AI and its Multimodal Use Cases" from 02-12-2024 to 06-12-2024, organised by the Department of Information Technology, Vishwakarma Institute of Technology, Pune.









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#### FACULTY FDP ATTENDED

- *Dr. Aditya Dubey* completed AICTE-recognized faculty development program on "problem-based learning" from 07-10-2024 to 09-10-2024, organised by NITTTR BHOPAL
- *Dr. Aditya Dubey* completed the AICTE Training and Learning (ATAL) FDP on "Artificial Intelligence in Data Science Applications" from 13-12-2024 to 19-12-2024, organised by Mufakham Jah College of Engineering and Technology.









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# FACULTY TRAINING PROGRAMME/ FDP ATTENDED

- Dr. Soumyajit Ghosh completed FDP on Smart Grid: Basics to Advanced Technologies.
- *Dr. Soumyajit Ghosh* completed FDP on Introduction to Industry 4.0 and Industrial Internet of Things through NPTEL.









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# FACULTY TRAINING PROGRAMME/ FDP ATTENDED

- *Dr. Soumyajit Ghosh* completed FDP on Introduction to Internet of Things.
- *Dr. Soumyajit Ghosh*, Assistant Professor, Centre for Internet of Things, has successfully participated & completed the online AICTE Training And Learning (ATAL) Academy Faculty Development Program on SMART COMPUTING AND ITS APPLICATIONS IN CYBER DEFENSE & DIGITAL FORENSIC organized by JALPAIGURI GOVERNMENT ENGINEERING COLLEGE from 16/12/2024 to 21/12/2024.







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#### **FACULTY**

#### **Webinar/Seminar ATTENDED**

• *Dr. Saurabh Kumar Rajput*, Assistant Professor of Centre for Internet of Things, Madhav Institute of Technology and Science- Deemed University Gwalior has successfully completed the Training of Trainers (ToT) Program at NPTI Shivpuri, Govt. of India from 07/10/2024 to 08/10/2024.



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#### **FACULTY**

#### **Publications**

- Saurabh Kumar Rajput, Deepansh Kulshrestha, Nikhil Paliwal, Vivek Saxena, Saibal Manna, Mohammed H. Alsharif, Mun-Kyeom Kim, "Forecasting capacitor banks for improving efficiency of grid-integrated PV plants: A machine learning approach", Elsevier, Energy Reports, Volume 13, 2025, Pages 140-160, ISSN 2352-4847, https://doi.org/10.1016/j.egyr.2024.12.011 (available online on 9 December 2024).
- Vivek Saxena, Narendra Kumar, Saibal Manna, Saurabh Kumar Rajput, Kusum Lata Agarwal, Sourav Diwania, Varun Gupta, Modelling, solution and application of optimization techniques in HRES: From conventional to artificial intelligence, Elsevier Applied Energy, Volume 380, 2025, 125047, ISSN 0306-2619, https://doi.org/10.1016/j.apenergy.2024.125047 (Available online 7 December 2024).
- Vivek Saxena, Saibal Manna, Saurabh Kumar Rajput et al. Sustainable energy solutions: integrating hybrid CCHP systems with renewable technologies for efficient urban development. Springer Nature J Braz. Soc. Mech. Sci. Eng. 46, 668 (2024). https://doi.org/10.1007/s40430-024-05250-w (Published: 22 *October* 2024)
- S.P.Tiwari., *Murli Manohar* & S.K. Shukla., "A reliable protection scheme for high resistance fault detection in wind generator-integrated HVDC transmission system using ensemble of kNN". Electrical Engineering (Springer), Published on 10 November 2024, https://doi.org/10.1007/s00202-024-02831-9.





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#### **FACULTY**

**Publications (Conferences)** 

- Kaushal Pratap Sengar, Dr. Kandasamy Chandrasekaran, "Enhancing square grounding grid performance through variable spacing Methods" in IEEE Silcher Section conference (IEEE SILCON 2024) held from November 15 to 17, 2024 at National Institute of Technology, Agartala. (Scopus Index)
- Kaushal Pratap Sengar, Dr. Kandasamy Chandrasekaran, "Study of Grounding System Transients in Two-Layer Soil Structure during Lightning Events Considering Soil Ionization" in 1st International Conference on Green Industrial Electronics and Sustainable Technologies (GIEST-2024)" organized by the IEEE Kolkata Section-Silchar Subsection IES Chapter in collaboration with the Department of Electrical Engineering, NIT Manipur, and the IEEE Student Branch, NIT Manipur, held on 25th and 26th of October 2024. (Scopus Index)





**Achievements** 

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#### **FACULTY**

**Publications (Conferences)** 

Aditya Dubey, et al., "Challenges and Opportunities in Digital Image Watermarking," 2024 First International Conference on Pioneering Developments in Computer Science & Digital Technologies (IC2SDT), pp. 29-34. (Scopus Index)

	Watern	narking	
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# FACULTY ACTIVITIES ORGANIZED (WORKSHOP/CONFERENCE/FDP/STC/WEBINAR

Kaushal Pratap Sengar organised 2nd National Level Poster Presentation (Hybrid Mode) on 'VISUALIZING CONNECTIVITY: IoT Poster EXPO-2024 on 19 October 2024.







• Dr. Saurabh Kumar Rajput, served as organizing secretary of 6th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2024), October 26-27, 2024, organized by Madhav Institute of technology and Science- Deemed University Gwalior.





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#### **FACULTY**

#### **Achievements and Awards**

- *Dr. Kaushal Pratap Sengar* has served as a session chair in IEEE International conference on sustainable power and energy 2024 held on 28th -29th november 2024, OP Jindal University, Raigarh.
- *Dr. Kaushal Pratap Sengar* has participated as a reviewer in the peer review process of manuscripts submitted to "2024 IEEE international conference on data and decision systems ICDDS-2024 jointly organised by PES University bangalore IEEE computer society bangalore chapter 5th-7th December 2024.









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#### **FACULTY**

#### **Achievements and Awards**

- *Dr. Dhananjay Bisen* received appreciation Letter for subject "Data Science in IoT [2230522]", session July.- December 2024 in 5<sup>th</sup> sem.
- *Dr. Kaushal Pratap Sengar* received appreciation Letter for subject "Design and Analysis of Algorithms [3220303], session July-December 2024 in B.Tech 3<sup>rd</sup> semester, Internet of things.

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NAAC ACCREDITED WITH A++ GRADE

#### **FACULTY**

#### **Achievements and Awards**

- *Dr. Dhananjay Bisen* has participated as a reviewer in the peer review process of manuscripts submitted to "IEEE SILCON 2024", the flagship conference of IEEE Silchar subsection, held at National Institute of Technology Agartala, Tripura, India during November 15 17, 2024.
- *Dr. Dhananjay Bisen* from Madhav Institute of Technology & Science, Gwalior has served as a Session Chair in the Second International Conference On Pervasive Computing Advances And Applications (PerCAA- 2024) held on October 18 19, 2024, organized by Poornima College of Engineering, Jaipur, Rajasthan, India









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#### **FACULTY**

#### **Achievements and Awards**

• *Dr. Aditya Dubey* has served as a paper reviewer in the 3rd IEEE International Conference on Computer Vision and Machine Intelligence (IEEE CVMI 2024) (IEEE Conference Number: 61877) during October 19th-20th, 2024 IIIT Allahabad.

Dr. Aditya Dubey has served as a session chair in the Second International Conference on Pervasive Computing Advances And Applications (PerCAA- 2024) held on October 18–19, 2024, organized by Poornima College of

Engineering, Jaipur.





Achievements

Faculty





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#### **FACULTY**

#### **Achievements and Awards**

- *Dr. Aditya Dubey* has served as Technical Program Committee Member and Reviewer in the 6th International Conference on Communication and Intelligent Systems (ICCIS 2024), held during November 08-09, 2024, organized by Maulana Azad National Institute of Technology (MANIT), Bhopal.
- *Dr. Aditya Dubey* has participated as a reviewer in the peer review process of manuscripts submitted to "IEEE SILCON 2024," the flagship conference of the IEEE Silchar subsection, held at the National Institute of Technology Agartala, during November 15-17, 2024.







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#### **FACULTY**

#### **Achievements and Awards**

- *Dr. Aditya Dubey* has served as a reviewer for "The International Conference On Innovations in Data Science," organized by MANIPAL UNIVERSITY JAIPUR, during 28-29 NOVEMBER 2024.
- *Dr. Aditya Dubey* has successfully completed Focus on Peer Review: A Nature Masterclasses online course organised by Nature Masterclasses on 8 December 2024.
- *Dr. Aditya Dubey* has successfully completed Module 2: Professional Ethics & Sustainability, organised by the National Institute of Technical Teachers Training (NITTTR).









Achievements

aculty





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#### **FACULTY**

#### **Achievements and Awards**

- Dr. Aditya Dubey has served as a reviewer for the journal "Journal of Big Data," Springer Nature.
- *Dr. Aditya Dubey* has served as a reviewer for the 7th International Conference Recent Trends in Processing & Pattern Recognition (RTIP2R 2024) organized by the Indian Institute of Information Technology Bhopal on 19th-20th December 2024.
- **Dr.** Aditya Dubey has served as a reviewer for the journal "Signal, Image, and Video Processing," Springer Nature.











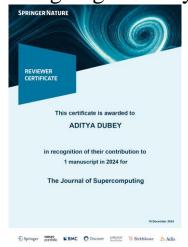
NAAC ACCREDITED WITH A++ GRADE

#### **FACULTY**

#### **Achievements and Awards**

- Dr. Aditya Dubey has served as a reviewer for the journal "The Journal of Supercomputing," Springer Nature.
- Dr. Aditya Dubey identified as NPTEL Motivated Learner for the session Jul-Oct 2024.
- *Dr. Aditya Dubey* identified as NPTEL Discipline Star for the session Jul-Oct 2024.
- Dr. Aditya Dubey received an appreciation letter for the two subjects 2230521 Programming in JAVA (fifth semester) and 3230323 Designing & Analysis of Algorithms (third semester).







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Volume 02, Issue 02



#### MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत (DEEMED TO BE UNIVERSITY)



NAAC ACCREDITED WITH A++ GRADE

#### **FACULTY**

#### **Achievements and Awards**

- **Dr. Saurabh Kumar Rajput** has served as session chair at 2nd National Level Poster Presentation (Hybrid Mode) on 'VISUALIZING CONNECTIVITY: IoT Poster EXPO-2024 on 19 October 2024, organized by Centre for Internet of Things, Madhav Institute of Technology and Science- Deemed University, Gwalior, MP.
- **Dr. Saurabh Kumar Rajput** received appreciation Letter for subject "Smart Energy Analytics [DE-2 -220701]", session July.-December 2024 in 7th sem.





Achievements

aculty



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#### **FACULTY CERTIFICATES**

**Achievements and Awards** 

• Dr. Saurabh Kumar Rajput, has served as Session chair of TS 01 (Computational Intelligence and Machine Learning) of 6th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2024), October 26-27, 2024, organized by Madhav Institute of technology and Science- Deemed University Gwalior.

• **Dr. Saurabh Kumar Rajput**, served as a reviewer in the peer review process of manuscripts submitted to "IEEE SILCON 2024," the flagship conference of the IEEE Silchar subsection, held at the National Institute

of Technology Agartala during November 15-17, 2024.





**Achievements** 

Faculty



(DEEMED TO BE UNIVERSITY)

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#### **FACULTY CERTIFICATES**

**Achievements and Awards** 

- *Dr. Murli Manohar*, served as Session chair at the IEEE Sponsored International Conference on Sustainable Power and Energy 2024, organized by Department of Electrical Engineering, O.P. Jindal University, Raigarh, C.G. India, during 28-29 Nov. 2024.
- *Dr. Murli Manohar*, served as Session chair of TS 02 (Advances in intelligent computing, sustainable engineering systems and practices) of 6th International Conference on Sustainable and Innovative Solutions, for Current Challenges in Engineering & Technology (ICSISCET 2024), October 26-27, 2024, organized by Madhav Institute of technology and Science- Deemed University Gwalior.

• *Dr. Murli Manohar*, served as a reviewer in the peer review process of manuscripts submitted to "IEEE SILCON 2024," the flagship conference of the IEEE Silchar subsection, organized at the National Institute of Technology









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#### FACULTY CERTIFICATES

**Achievements and Awards** 

- *Dr. Soumyajit Ghosh* has served as session chair (session-2) at 2nd National Level Poster Presentation (Hybrid Mode) on 'VISUALIZING CONNECTIVITY: IoT Poster EXPO-2024 on 19 October 2024, organized by Centre for Internet of Things, Madhav Institute of Technology and Science- Deemed University, Gwalior, MP.
- *Dr. Soumyajit Ghosh*, served as Session Coordinator of TS 07 (Computational Intelligence and Machine Learning) of 6th International Conference on Sustainable and Innovative Solutions, for Current Challenges in Engineering & Technology (ICSISCET 2024), October 26-27, 2024, organized by Madhav Institute of technology and Science- Deemed University Gwalior.





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

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

(DEEMED TO BE UNIVERSITY)

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#### **FACULTY CERTIFICATES**

**Achievements and Awards** 

- Dr. Geetam Shukla has served as session chair (session-2) at 2nd National Level Poster Presentation (Hybrid Mode) on 'VISUALIZING CONNECTIVITY: IoT Poster EXPO-2024 on 19 October 2024, organized by Centre for Internet of Things, Madhav Institute of Technology and Science- Deemed University, Gwalior, MP.
- **Dr. Geetam Shukla**, served as Session Coordinator of TS 07 (Computational Intelligence and Machine Learning) of 6th International Conference on Sustainable and Innovative Solutions, for Current Challenges in Engineering & Technology (ICSISCET 2024), October 26-27, 2024, organized by Madhav Institute of technology and Science- Deemed University Gwalior.







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

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

(DEEMED TO BE UNIVERSITY)

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#### FACULTY CERTIFICATES

**Achievements and Awards** 

- **Dr.** Soumyajit Ghosh, served as a track chair of (Track-5:Artificial Intelligence, Data Science and Computing and Track-7:Power System and Smart Grid) in "IEEE SILCON 2024," the flagship conference of the IEEE Silchar subsection, organized at the National Institute of Technology Agartala, during November 15-17, 2024.
- Dr. Soumyajit Ghosh, served as a reviewer in the peer review process of manuscripts submitted to "IEEE SILCON 2024," the flagship conference of the IEEE Silchar subsection, organized at the National Institute of Technology Agartala, during November 15-17, 2024.









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#### **FACULTY**

#### **Interaction with Outside World**

- *Dr. Soumyajit Ghosh* has served as a reviewer for the journal "IEEE Transactions of Instrumentation and Measurement (TIM), IEEE".
- *Dr. Soumyajit Ghosh* has served as a reviewer for the journal "Sustainable Energy Grids and Networks (SEGAN), Elsevier."
- *Dr. Soumyajit Ghosh* delivered an online tutorial for the Faculty Development Programme (FDP) on Data-Driven Electrical Systems and Emerging Energy Technologies. The session, titled "Non-Intrusive Load Monitoring using AI Techniques," was conducted on December 18, 2024, and organized by the Department of Electrical Engineering, Maulana Azad National Institute of Technology (MANIT), Bhopal.

Faculty Achievements





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#### **Students**

#### **Achievements and Awards**

- *Mo Abrar Qureshi*, a 4<sup>th</sup> semester IoT student (0901IO231034), secured a paid internship at The Menta starting on December 1, 2024.
- *Vinayak Mishra*, a 3<sup>rd</sup> semester IoT student (0901EO231075), participated in the 2nd National Level Poster Presentation on IoT at the Poster Expo 2024, focusing on "Visualizing Connectivity," held on October 19, 2024, at Madhav Institutes of Technology and Science, Gwalior.





The Menta 
Salest Metro Station, Gate No 2, 
Item- Delhi, 110017

Dear Mo Abrar Currenhi,

We are pleased to extend an offer for you to join The Menta as a Graphic Designer and Web 
Developer. We were impressed by your salls and passion for technology during the interview 
process and believe you will be a valueble addition to our team.

Position: Full Stack Web Developer
Signed 11,200 gor emonth 
Duration: 2 Months

Start Deta: 1<sup>th</sup> Geomether, 2004

In this role, you will have the epoperunity to work on various projects that will enhance your 
salls in graphic design and web development, particularly within the context of the Internet 
of Things (b17). You will collaborate with our creative team to develop innovative solutions 
that align with or clearls needs.

Key Responsibilities:

- Design and develop empaging graphics for digital and print media.

- Collaborate on web development projects to create user-friendly websites.

- Participate in Insanstructing sessions to generate creative idea.

- Forum all designs align with brand guidelines.

Achievements





NAAC ACCREDITED WITH A++ GRADE

#### **Students**

#### **Achievements and Awards**

- *Ritik Kushwah*, a 3<sup>rd</sup> semester IoT student (0901IO231048), took part in the Tulsi Mahotsav Treasure Hunt on October 26, 2024, at MITS.
- *Mohit Tyagi*, a 7<sup>th</sup> semester IoT student (0901IO211031), participated in the Naukri Campus Young Turk event on October 11, 2024, organized by Naukri.com.





Achievements



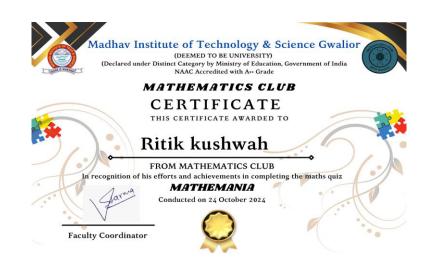


NAAC ACCREDITED WITH A++ GRADE

### **Students**

#### **Achievements and Awards**

- *Ritik Kushwah*, a 3<sup>rd</sup> semester IoT student (0901IO231048), competed in the Mathematics Club Maths Quiz on October 24, 2024, at MITS.
- *Shrashti Agarwal*, a 3<sup>rd</sup> semester IoT student (0901EO231063), secured 2nd place in the National Level Poster Presentation on "Visualizing Connectivity: IoT Poster Expo-2024" on October 19, 2024, at Madhav Institute of Technology and Science.





**Achievements** 





NAAC ACCREDITED WITH A++ GRADE

### **Students**

#### **Achievements and Awards**

- *Ritik Kushwah*, a 3<sup>rd</sup> semester IoT student (0901IO231048), attended the "Gateway to Success" seminar on October 3, 2024, hosted by the Institute of Engineers Students Chapter and IETE Bhopal Center.
- Yash Pal, a 1st semester IoT student (BTIO24O1076), participated in UCL on November 15, 2024, at MITS.





Achievements





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#### **Students**

#### **Achievements and Awards**

- *Nivedita Sharma*, an 8<sup>th</sup> semester IoT student (0901EO211040), participated in the IoT Poster Presentation on October 19, 2024, at Madhav Institute of Technology and Science.
- *Satyam Mishra*, a 3<sup>rd</sup> semester IoT student (0901IO231058), attended the "Gateway to Success: Insights from Top Rankers" event on October 3, 2024, organized by the IETE Bhopal Center.





Achievements





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#### **Students**

#### **Achievements and Awards**

- *Neetesh Sharma*, a 1<sup>st</sup> semester Internet of Things (IoT) student (BTIO24O1048), participated in the Cricket Tournament on November 15, 2024, at MITS UCL.
- *Nitin Sharma*, a 3<sup>rd</sup> semester EE-IoT student (0901EO231038), participated in the National Level Poster Presentation on "IoT Poster Expo 2024" on October 19, 2024, at Madhav Institute of Technology and Science, Gwalior.





**Achievements** 





NAAC ACCREDITED WITH A++ GRADE

#### **Students**

Achievements and Awards

- *Aryan Chourey*, a 3<sup>rd</sup> semester IoT student (0901EO231012), took part in the Smart India Hackathon on December 12, 2024, organized by the Ministry of Education's Innovation Cell and AICTE at the Nodal Centre Guru Ghasidas Vishwavidyalaya, Bilaspur.
- *Aryan Chourey*, a 3<sup>rd</sup> semester IoT student (0901EO231012), also participated in the National Level Poster Presentation on "Visualizing Connectivity" on October 19, 2024, at Madhav Institute of Technology & Science (DU), Gwalior





Achievements



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#### **Students**

#### **Achievements and Awards**

- *Parul Sharma*, a 3<sup>rd</sup> semester IoT student (0901EO231041), took part in the Smart India Hackathon on December 12, 2024, organized by MoE, AICTE at the Nodal Centre Guru Ghasidas Vishwavidyalaya, Chhattisgarh.
- *Parul Sharma*, a 3<sup>rd</sup> semester IoT student (0901EO231041), also participated in the One-Day National Level Poster Presentation on "Visualizing Connectivity: IoT Poster Expo-2024" on October 19, 2024, at the Center for IoT, Madhav Institute of Technology and Science, Gwalior, Madhya Pradesh, India.





Achievements





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### **Students**

#### **Achievements and Awards**

- *Mahak Sharma*, a 5<sup>th</sup> semester IoT student (0901EO221039), engaged in an interaction with alumni on December 7, 2024, at MITS.
- *Mahak Sharma*, a 5<sup>th</sup> semester IoT student (0901EO221039), participated in the Energy IQ Quiz on December 29, 2024, at MITS.





Achievements





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### **Students**

#### **Achievements and Awards**

- *Jalaj Sharma*, a 3<sup>rd</sup> semester IoT student (0901EO231025), participated in the Tulsi Mahotsav on October 25, 2024, at Madhav Institute of Technology and Science, Gwalior.
- *Shrashti Agarwal*, a 3<sup>rd</sup> semester IoT student (0901EO231063), participated in the Smart India Hackathon 2024 on December 12, 2024, organized by the Government of India.





Achievements





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## **Students**

**Achievements and Awards** 

- *Shivani Sharma*, a 6<sup>th</sup> semester IoT student (0901IO221066), had her research paper published on December 5, 2024, at MANIT, Bhopal.
- *Nitesh Patidar*, a 4<sup>th</sup> semester IoT student (0901IO231036), secured an internship starting December 28, 2024, at IIT.







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#### **Students**

#### **Achievements and Awards**

- *Mayank Yadav*, an 8<sup>th</sup> semester IoT student (0901EO211034), took the NPTEL exam on "The Joy of Computing using Python" on November 2, 2024.
- *Ashu Dhakad*, a 1<sup>st</sup> semester Internet of Things (IoT) student (BTIO24O1018), participated in the Football Tournament on October 19, 2024, at MITS College, Gwalior





Achievements





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### **Students**

#### **Achievements and Awards**

- *Ashu Dhakad*, a 1<sup>st</sup> semester IoT student (BTIO24O1018), engaged in online self-learning through a website on November 30, 2024.
- *Pratima Sahu*, a 3<sup>rd</sup> semester IoT student (0901EO231046), participated in the Energy IQ Challenge National Level Quiz Competition on December 29, 2024, at MITS Gwalior.





Achievements





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### **Students**

#### **Achievements and Awards**

- *Pranjal Sharma*, a 3<sup>rd</sup> semester IoT student (0901EO231044), competed in the Volleyball Tournament on October 19, 2024, at Madhav Institute of Technology and Science.
- *Kauntey Singh Rajawat*, a 3<sup>rd</sup> semester IoT student (0901EO231027), participated in the Volleyball Tournament on October 19, 2024, at Madhav Institute of Technology.





Achievements





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### **Students**

#### **Achievements and Awards**

- *Satyam Mishra*, a 3<sup>rd</sup> semester IoT student (0901IO231058), completed the "Ethical Hacking: Introduction to Ethical Hacking" course on October 20, 2024, through CompTIA and LinkedIn.
- *Satyam Mishra*, a 3<sup>rd</sup> semester IoT student (0901IO231058), completed the "Ethical Hacking: Web Hacking Introduction" course on November 9, 2024, on Udemy.
- *Yuvraj Singh Chandel*, a 5<sup>th</sup> semester IoT student (0901EO221074), participated in the Football Tournament on October 19, 2024, at MITS DU GWL.







Achievements



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### **News Paper Highlights**







#### एमआईटीएस में इंटरनेट ऑफ थिंग्स पोस्टर एक्सपो का आयोजन

ग्वालियर।माधव प्रौद्योगिकी एवं विज्ञान संस्थान ( डीम्ड विश्वविद्यालय) के इंटरनेट ऑफ थिंग्स केंद्र में सोमवार को द्वितीय राष्ट्रीय स्तर की पोस्टर प्रस्तृति, विजुअलाइजिंग कनेक्टिविटी इंटरनेट ऑफ थिंग्स पोस्टर एक्सपो 2024 का आयोजन किया गया। जिसमें देशभर के छात्रों और शोधकर्ताओं ने अपनी नवाचारी खोजों और विचारों को प्रदर्शित किया। इंटरनेट ऑफ थिंग्स केंद्र के समन्वयक डॉ. प्रवीण बंसल ने उदघाटन सत्र को संबोधित करते हुए इंटरनेट ऑफ थिंग्स के भविष्य में महत्व को रेखांकित किया और छात्रों एवं शिक्षाविदों के लिए शोध पोस्टर प्रस्तुतियों की अहमियत पर जोर दिया। कार्यक्रम में तीन ऑनलाइन और दो ऑफलाइन सत्र आयोजित हुए। जिसमें प्रतिभागियों ने अपने शोध को इंटरनेट ऑफ थिंग्स में डोन तकनीक, इंटरनेट ऑफ थिंग्स में आर्टिफिशियल इंटेलिजेंस का एकीकरण और स्वास्थ्य निगरानी प्रणाली में इंटरनेट ऑफ थिंग्स की भूमिका जैसे नवाचारी विषयों पर प्रस्तुत किया। इस अवसर पर विशेष रूप से डॉ. मनीषा पटनायक, डॉ. हिमांशु कुंवर, डॉ. कौशल प्रताप सेंगर, डॉ. प्रियंका गर्ग सहित अन्य मौजद रहे।

हिस्पं क्षा ।

**Achievements** 



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

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

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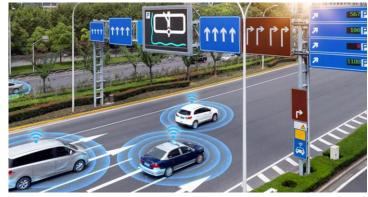
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### **Latest Trends in IoT**

The Role of IoT in Public Transportation: The Internet of Things (IoT) is rapidly transforming various industries, and public transportation is no exception. IoT devices and technologies are being integrated into public transportation systems to improve efficiency, enhance the passenger experience, and optimize operations. This article explores the multifaceted role of IoT in revolutionizing public transportation. IoT sensors installed on public transportation vehicles enable real-time tracking of their location and status. This information is transmitted to central control systems, providing dispatchers and passengers with up-to-date information on vehicle arrival times, delays, and rerouting. Realtime tracking improves operational efficiency by reducing passenger wait times and optimizing vehicle schedules. IoT devices can be integrated with passenger information systems to provide real-time updates on bus and train arrivals, departures, and service disruptions. This information can be displayed on digital displays at bus stops and train stations, as well as mobile apps. IoT-enabled passenger information systems improve the passenger experience by reducing uncertainty and providing convenient access to relevant information.





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### **Newsletter Team**





**Centre for Internet of Things** (Advisor)



Dr. Praveen Bansal **Coordinator Centre for Internet of Things** 

Dr. Kaushal Pratap Senger News Letter Coordinator **Assistant Professor Centre for Internet of Things**  **Students Achievements** 



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### **Newsletter Team**



Vikas Sharma **Student** IoT-3rd Year **Centre for Internet of Things** 



**Komal Choubey Student** IoT-3rd Year **Centre for Internet of Things** 

**Students Achievements**