

Centre for Internet of Things

NEWSLETTER



The IoT-Insider



“Arise, Awake, and Stop not until the Goal is reached”

Swami Vivekananda



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	

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.





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

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DHANANJAY BISEN
for successfully completing the course
Big Data Computing
with a consolidated score of 70 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Aug-Oct 2024)

Roll No: NPTEL24CS130S459200753

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 courses.
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 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jul-Sep 2024)

Roll No: NPTEL24CS77S436200254

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 courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023



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.



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to
DHANANJAY BISEN
for successfully completing the course

Big Data Computing

with a consolidated score of **70** %

Online Assignments	25/25	Proctored Exam	45/75
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Total number of candidates certified in this course: 5564

Prof. B. V. Ratish Kumar

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Aug-Oct 2024

(8 week course)



Prof. Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24CS130S459200753

To verify the certificate



No. of credits recommended: 2 or 3



NPTEL ONLINE CERTIFICATION

(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** %

Online Assignments	25/25	Proctored Exam	52.5/75
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Total number of candidates certified in this course: 1466

Prof. B. V. Ratish Kumar

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Sep 2024

(8 week course)



Prof. Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24CS77S436200254

To verify the certificate



No. of credits recommended: 2 or 3



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.

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ADITYA DUBEY
for successfully completing the course
Introduction to Industry 4.0 and Industrial Internet of Things
with a consolidated score of **80** %

Online Assignments	24.56/25	Proctored Exam	55.5/75
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Total number of candidates certified in this course: 15725

Jul-Oct 2024
(12 week course)

TOPPERS
5%

Swayam
FREE ONLINE EDUCATION

Roll No: NPTEL24CS95S359200477 To verify the certificate No. of credits recommended: 3 or 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ADITYA DUBEY
for successfully completing the course
Big Data Computing
with a consolidated score of **75** %

Online Assignments	24.58/25	Proctored Exam	50.5/75
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Total number of candidates certified in this course: 5564

Aug-Oct 2024
(8 week course)

Swayam
FREE ONLINE EDUCATION

Roll No: NPTEL24CS130S459200761 To verify the certificate No. of credits recommended: 2 or 3



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.

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SOUMYAJIT GHOSH
for successfully completing the course

Smart Grid: Basics to Advanced Technologies

with a consolidated score of **83** %

Online Assignments	23.13/25	Proctored Exam	60/75
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Total number of candidates certified in this course: 1968

Jul-Oct 2024
(12 week course)

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL24EE148S1059200693 To verify the certificate

No. of credits recommended: 3 or 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SOUMYAJIT GHOSH
for successfully completing the course

Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of **81** %

Online Assignments	24.13/25	Proctored Exam	57/75
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Total number of candidates certified in this course: 15725

Jul-Oct 2024
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

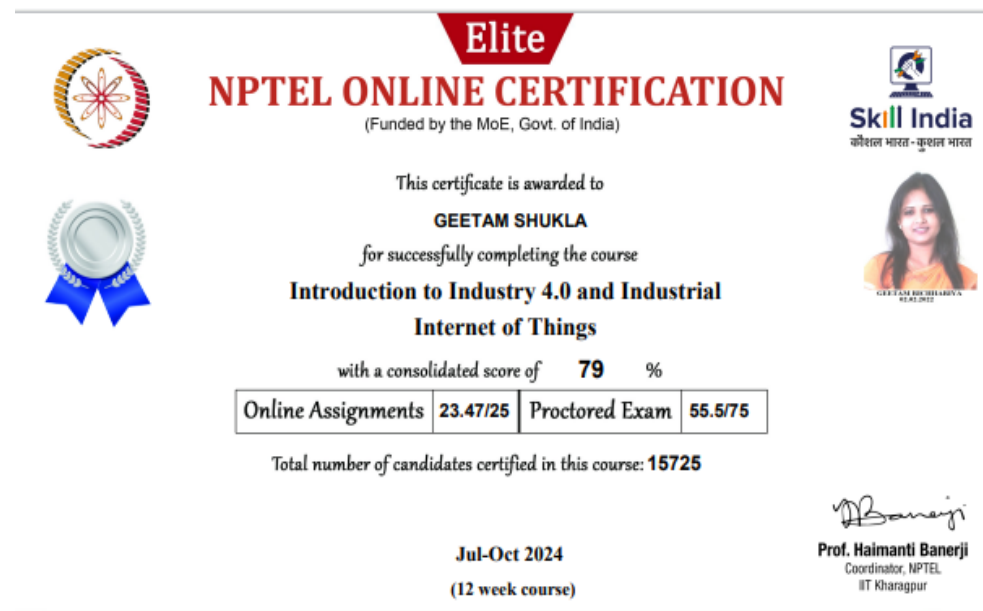
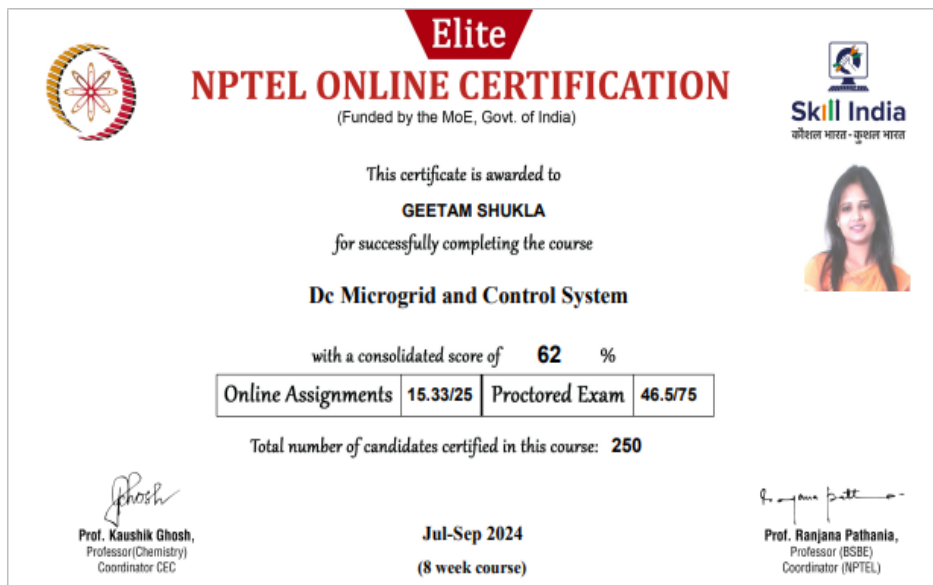
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No. of credits recommended: 3 or 4



FACULTY NPTEL COURSE

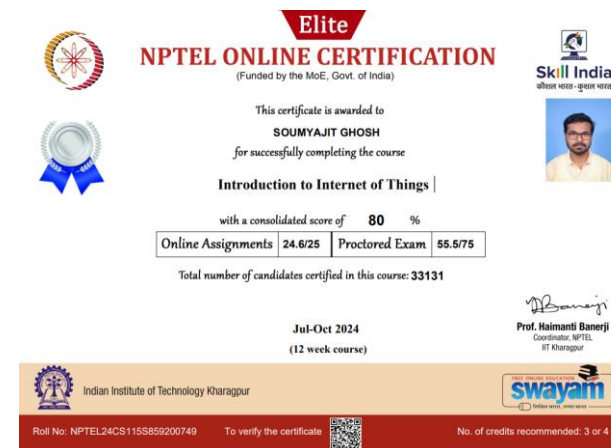
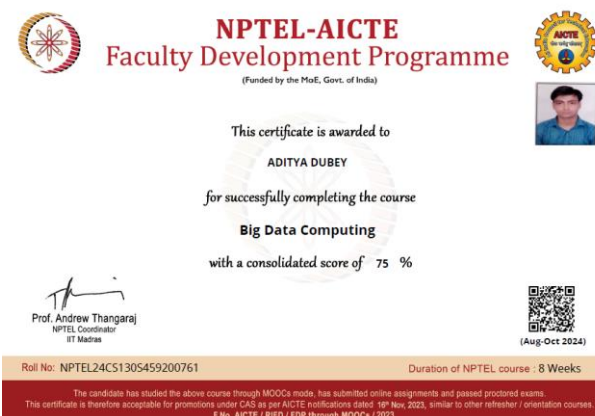
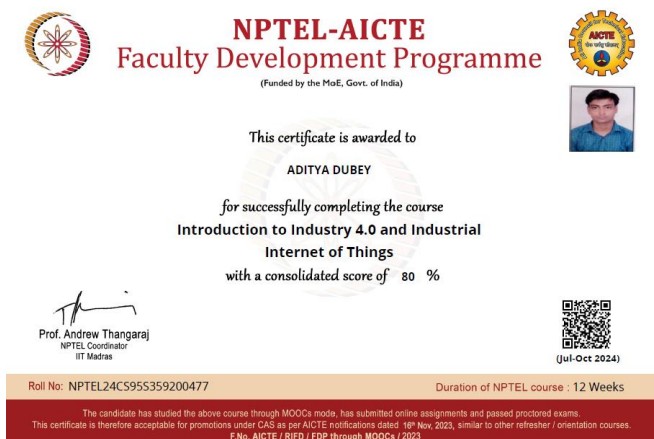
- **Dr. Geetam Shukla** completed the NPTEL course on Dc Microgrid and Control System [8 weeks] with an Elite certificate, Jul-Oct 2024.
- **Dr. Geetam Shukla** secured a position among the top 5% of participants in the NPTEL course Introduction to Industry 4.0 and Industrial Internet of Things (12 weeks)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





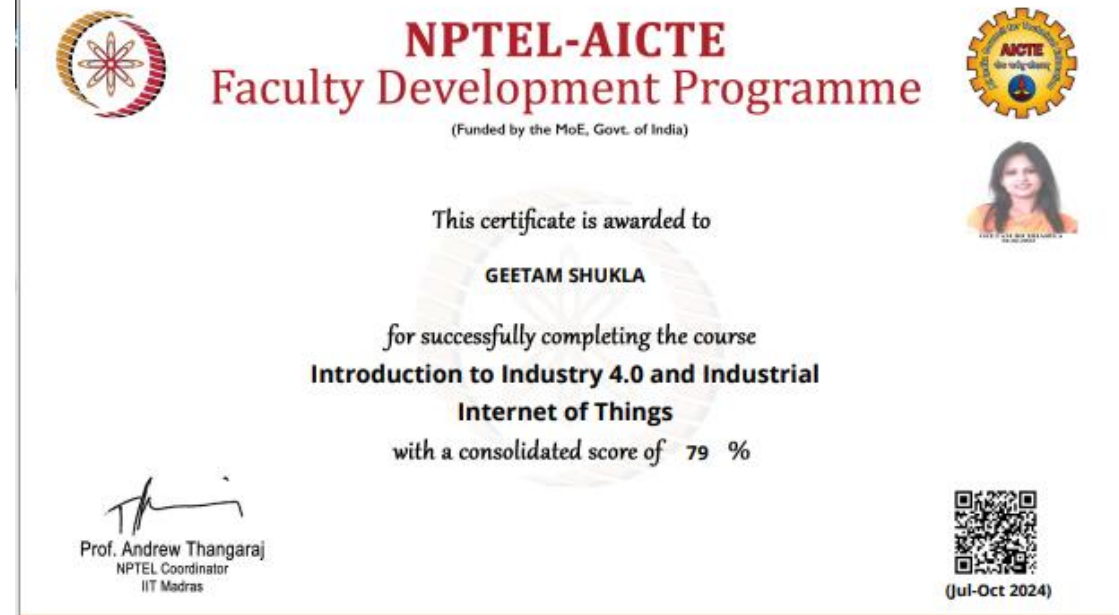
FACULTY TRAINING PROGRAMME/ FDP ATTENDED

- **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.



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.





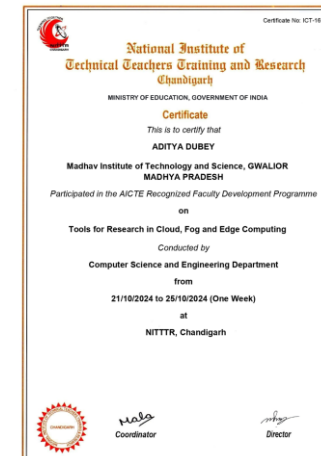
FACULTY TRAINING PROGRAMME/ FDP ATTENDED

- **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.



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.





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.





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.



FACULTY FDP ATTENDED

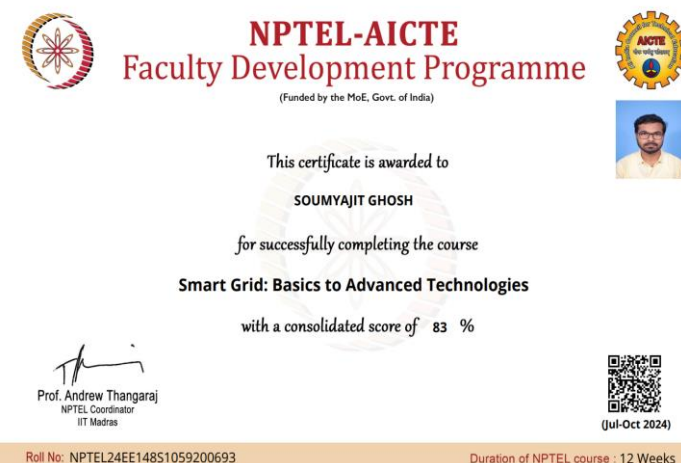
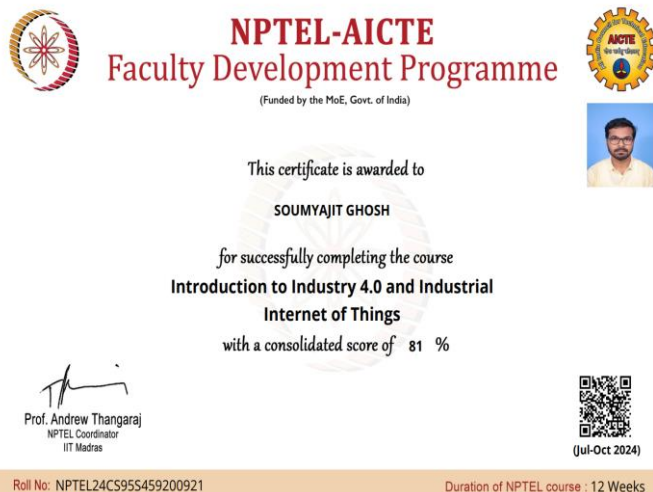
- **Dr. Aditya Dubey** completed AICTE-recognized faculty development program on "problem-based learning" from 07-10-2024 to 09-10-2024, organised by NITTTR BHOPAL
- **Dr. Aditya Dubey** completed the AICTE Training and Learning (ATAL) FDP on "Artificial Intelligence in Data Science Applications" from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





FACULTY TRAINING PROGRAMME/ FDP ATTENDED

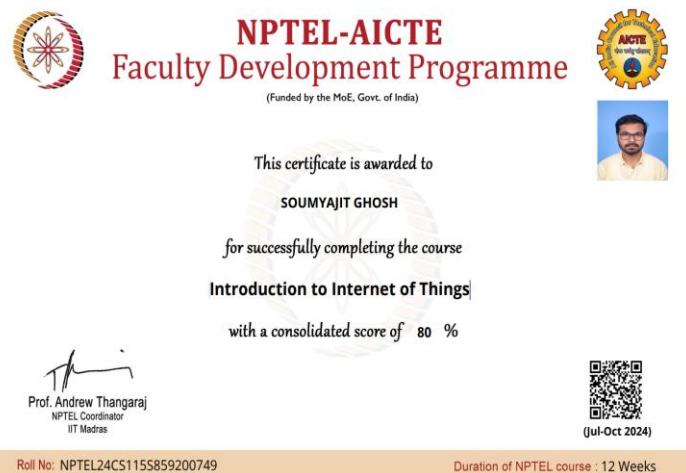
- **Dr. Soumyajit Ghosh** completed FDP on Smart Grid: Basics to Advanced Technologies.
- **Dr. Soumyajit Ghosh** completed FDP on Introduction to Industry 4.0 and Industrial Internet of Things through NPTEL.





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.



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.





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.egy.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>.

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)





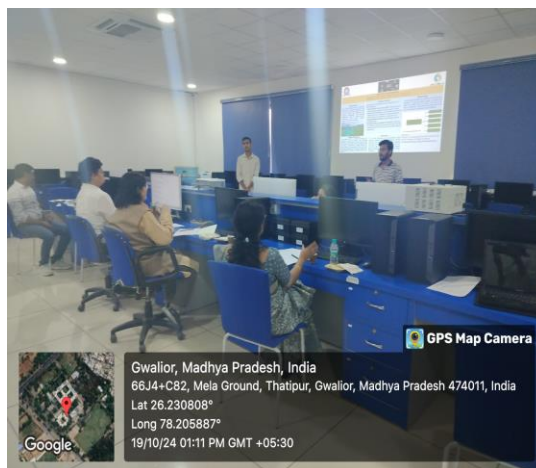
FACULTY Publications (Conferences)

- 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)



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.



FACULTY Achievements and Awards

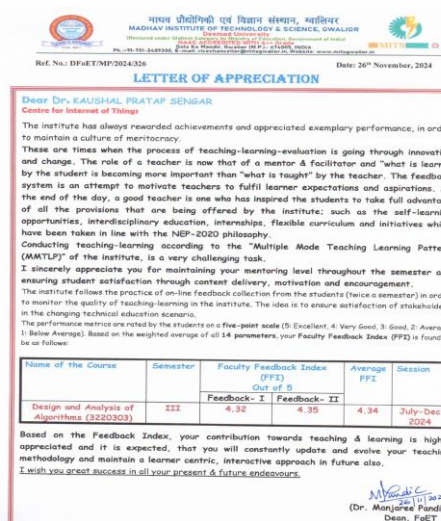
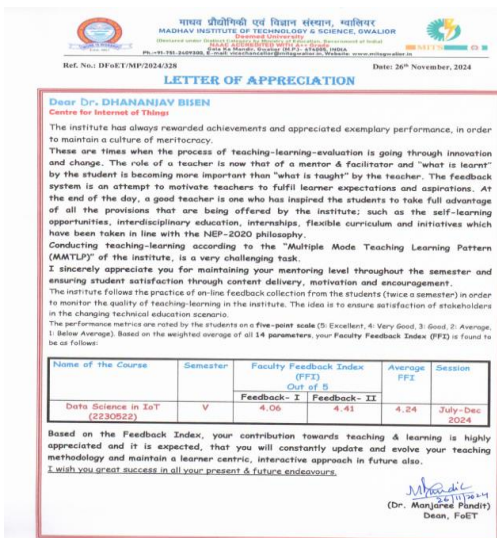
- **Dr. Kaushal Pratap Sengar** has served as a **session chair in IEEE** International conference on sustainable power and energy 2024 held on 28th -29th november 2024, OP Jindal University, Raigarh.
- **Dr. Kaushal Pratap Sengar** has participated as a reviewer in the peer review process of manuscripts 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.





FACULTY Achievements and Awards

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



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





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.



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.





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).

nature
masterclasses

8 December 2024

Certificate of Course Completion

This is to certify that
ADITYA DUBEY
 has successfully completed
 Focus on Peer Review
 A Nature Masterclasses online course



Magdalena Skipper, PhD
 Editor in Chief, Nature
 Chief Editorial Advisor, Nature Research

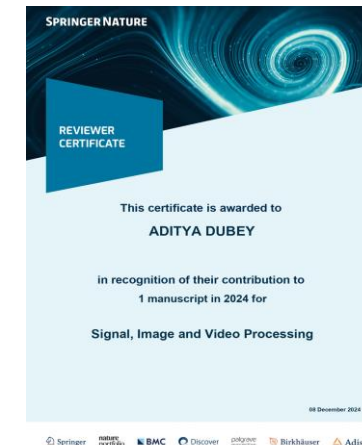
SPRINGER NATURE





FACULTY Achievements and Awards

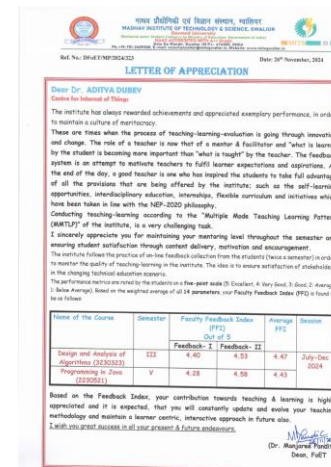
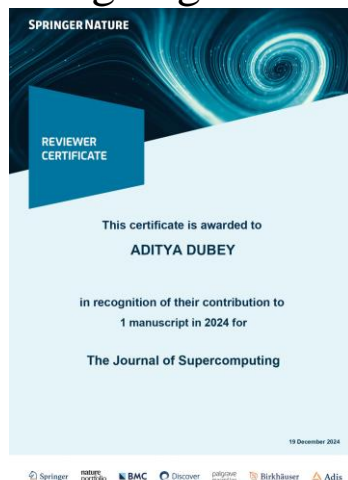
- **Dr. Aditya Dubey** has served as a reviewer for the journal "Journal of Big Data," Springer Nature.
- **Dr. Aditya Dubey** has served as a reviewer for the 7th International Conference Recent Trends in Processing & Pattern Recognition (RTIP2R 2024) organized by the Indian Institute of Information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





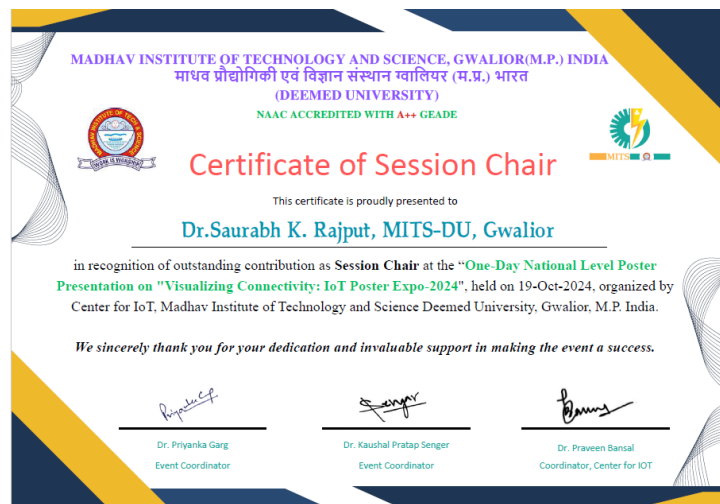
FACULTY Achievements and Awards

- **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).



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.





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.





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 Agartala, Tripura, India during November 15-17, 2024.





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.





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.



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.





FACULTY

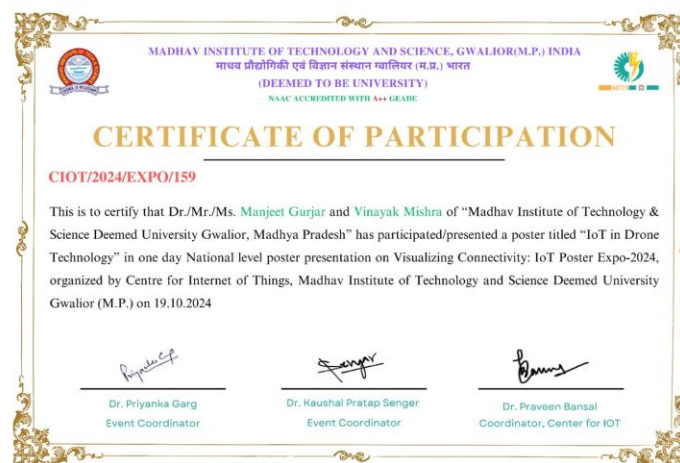
Interaction with Outside World

- **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.



Students Achievements and Awards

- **Mo Abrar Qureshi**, a 4th semester IoT student (0901IO231034), secured a paid internship at The Menta starting on December 1, 2024.
- **Vinayak Mishra**, a 3rd 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
Saket Metro Station, Gate No 2,
New- Delhi, 110017

Dear Mo Abrar Qureshi,

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 skills and passion for technology during the interview process and believe you will be a valuable addition to our team.

Position: Full Stack Web Developer
Stipend: ₹12,000 per month
Duration: 2 Months
Start Date: 1st December, 2024

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

Key Responsibilities:
- Design and develop engaging graphics for digital and print media.
- Collaborate on web development projects to create user-friendly websites.
- Participate in brainstorming sessions to generate creative ideas.
- Ensure all designs align with brand guidelines.

Working Hours: Monday to Friday, 9 AM to 5 PM
Location: Remote

Please confirm your acceptance of this offer by [Date] by signing below and returning this letter to us. Should you have any questions or require further information, feel free to reach out.



Students Achievements and Awards

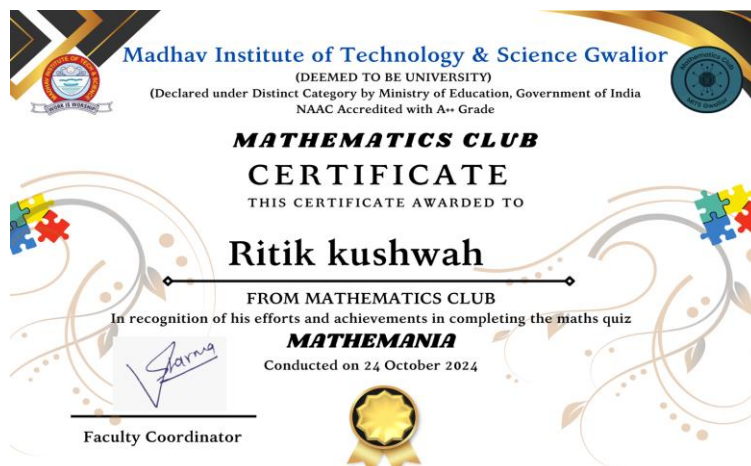
- **Ritik Kushwah**, a 3rd semester IoT student (0901IO231048), took part in the Tulsi Mahotsav Treasure Hunt on October 26, 2024, at MITS.
- **Mohit Tyagi**, a 7th semester IoT student (0901IO211031), participated in the Naukri Campus Young Turk event on October 11, 2024, organized by Naukri.com.





Students Achievements and Awards

- **Ritik Kushwah**, a 3rd semester IoT student (0901IO231048), competed in the Mathematics Club Maths Quiz on October 24, 2024, at MITS.
- **Shrashti Agarwal**, a 3rd 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.



Students Achievements and Awards

- **Ritik Kushwah**, a 3rd 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.



Students Achievements and Awards

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





Students Achievements and Awards

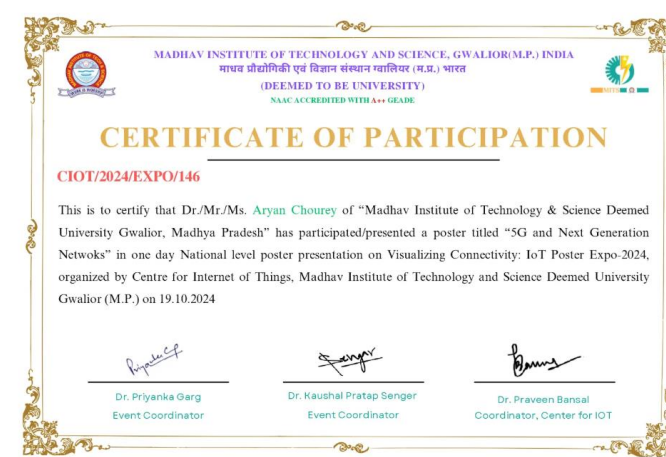
- **Neetesh Sharma**, a 1st semester Internet of Things (IoT) student (BTIO24O1048), participated in the Cricket Tournament on November 15, 2024, at MITS UCL.
- **Nitin Sharma**, a 3rd semester EE-IoT student (0901EO231038), participated in the National Level Poster Presentation on "IoT Poster Expo 2024"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



Students

● Achievements and Awards

- **Aryan Chourey**, a 3rd 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 3rd 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



Students Achievements and Awards

- **Parul Sharma**, a 3rd 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 3rd 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.





Students Achievements and Awards

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



Students Achievements and Awards

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





Students Achievements and Awards

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





Students Achievements and Awards

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





Students Achievements and Awards

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



Students Achievements and Awards

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





Students Achievements and Awards

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



News Paper Highlights

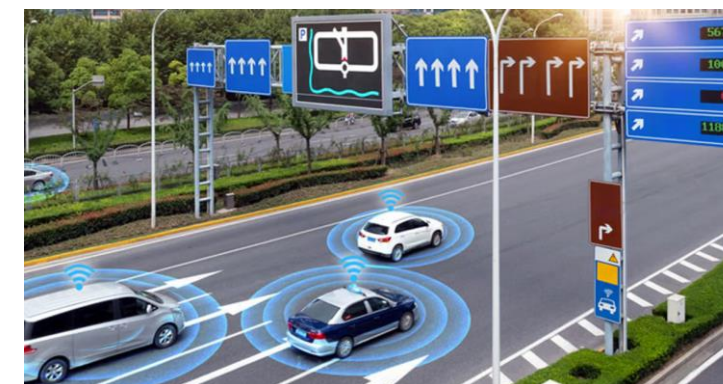
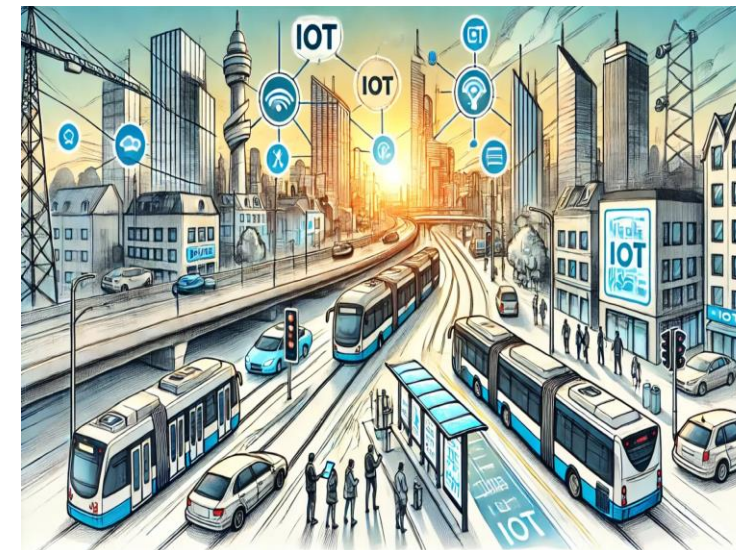


एमआईटीएस में इंटरनेट ऑफ थिंग्स पोस्टर एक्सपो का आयोजन

ग्यालियर । माधव प्रौद्योगिकी एवं विज्ञान संस्थान (डीम्ड विश्वविद्यालय) के इंटरनेट ऑफ थिंग्स केंद्र में सोमवार को द्वितीय राष्ट्रीय स्तर की पोस्टर प्रस्तुति, विजुअलाइजिंग कनेक्टिविटी इंटरनेट ऑफ थिंग्स पोस्टर प्रक्सपो 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 उद्घाटन 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 ड्रोन 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 मौजूद रहे।

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. Real-time 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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