

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
**Deemed to be University**  
(Declared under Distinct Category by Ministry of Education, Government of India)  
**NAAC ACCREDITED WITH A++ GRADE**

# AI Insights

**Centre For Artificial Intelligence**



**Departmental Newsletter: April to June 2024**

**Editorial Member:**

- **Dr. Rajni Ranjan Singh Makwana, HoD, Centre for Artificial Intelligence**

**Faculty Coordinator's:**

- **Dr. Tej Singh, Assistant Professor, Centre for Artificial Intelligence**
- **Dr. Sanjeev K Dwivedi, Assistant Professor, Centre for Artificial Intelligence**

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## Award/Prize/ Recognition by Faculty Members

- **Dr. Vibha Tiwari** Received Swayam NPTEL Domain Certification in Data Science (Computer Science) in April 2024.
- **Dr. Vibha Tiwari** Received Swayam NPTEL Discipline Star in Computer Science and Engineering in April 2024.



# CERTIFICATE OF APPRECIATION TO

**DR VIBHA TIWARI**

Computer Science and Engineering  
for being recognized as NPTEL DISCIPLINE STAR  
JAN-APR 2024

**Prof. Devendra Jalihal**  
Chairman  
Centre for Continuing Education, IITM

**Prof. Andrew Thangaraj**  
NPTEL Coordinator  
IIT Madras

**NPTEL DISCIPLINE STAR**  
Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject >= 55



**DR VIBHA TIWARI**

has successfully completed all the requirements for SWAYAM-NPTEL Domain Certification in  
**Data Science**  
(Computer Science)  
The courses were completed in the period April 2024

**Prof. Devendra Jalihal**  
Chairman  
Centre for Continuing Education, IITM

**Prof. Andrew Thangaraj**  
NPTEL Coordinator  
IIT Madras

Roll No: NPTELD52420000688

To validate and check scores:  
<https://nptel.ac.in/>

# CENTRE FOR ARTIFICIAL INTELLIGENCE

## Activities Organized (Workshop/Conference/FDP/STC) at the Institute level

- **Dr. Mir Shahnawaz Ahmad** was the module coordinator for 'Python Programming' in the 'Tech-Skills Internship: Igniting Creativity and Innovation', organized from 13 to 24 May 2024, for the school students.
- **Dr. Neelam Arya** organized Skill Enhancement Programme (SEP) for final-year students on "Data Science and Artificial Intelligence: Introduction, Statistical Insights & Analysis"
- **Dr. Vibha Tiwari and Dr. Sunil Shukla** were the module coordinators for 'Artificial Intelligence and its Applications' in the 'Tech-Skills Internship: Igniting Creativity and Innovation', organized from 13 to 24 May 2024, for the school students.

## **NPTEL/ATAL/COURSERA/INTERNSHALA Course Attended**

- Dr Tej Singh has completed a 4-week online training from INTERNSHALA on Advanced Excel. He scored 100% marks in the final assessment and was a top performer in the training.
- Dr. Shubha Mishra completed a 12-week NPTEL course on “AI in Marketing” with TOPPER certification.
- Dr. Shubha Mishra completed a 12-week NPTEL course on “Affective Computing” with ELITE certification.
- Dr. Pawan Dubey completed 4 weeks of industrial training in electronic circuit design fabrication from an Edge Semiconductor Satna, MP.

- Dr. Pawan Dubey, Dr. Tej Singh, and Dr. Sunil Kumar Shukla attended the industrial training of the Robotics lab by SVR Robotics Pvt. Ltd. from 03 Apr to 05 April 2024.
- Dr. Pawan Dubey, Dr. Tej Singh, Dr. Sunil Kumar Shukla and Dr. Bhagat Raghuvanshi attended the industrial training of 3-D Printer PRATHAM 5.0 by SVR Robotics Pvt. Ltd. for the newly established robotics lab from 18 Apr to 19 April 2024.
- Dr. Vibha Tiwari, Dr. Sunil Kumar Shukla, Dr. Arun Kumar, and Dr Shubha Mishra attended the industrial training of AR-VR Technology organized by TRENDSETTERS INFOSERVICE LLP, Mumbai from 17 May to 20 May 2024.



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INTELLIGENCE**



# PhD awarded

- **Dr. Shubha Mishra** was awarded with Ph.D in Information Technology in June 2024.

## Publications SCI/UGC/SCOPUS with DOI number

- **Mir Shahnawaz Ahmad et al.** "A Hybrid Routing Protocol to Establish Communication in Mobility Cast Using Mobility Pattern." *Wireless Personal Communications* 135, no. 2 (2024): 875-898. DOI: <https://doi.org/10.1007/s11277-024-11081-8> (SCIE Indexed).
- **Vibha Tiwari et al.**, "Data analysis algorithm for internet of things based on federated learning with optical technology" *Optical and Quantum Electronics* (2024) 56:572 <https://doi.org/10.1007/s11082-023-05972-6>, (SCI Indexed)
- **Vibha Tiwari et al.** "Strategic Improved K-Means Clustering in Mining Blood Donor Data Analysis and IoT-based Allocation" | *Journal of Intelligent Systems and Internet of Things* Vol. 13, No. 01, PP. 122-134, 2024 DOI: <https://doi.org/10.54216/JISIoT.130110> (Scopus Indexed)
- **Pooja Tripathi et al.** A Comprehensive Overview of Sentiment Analysis Techniques, in *Grenze International Journal of Engineering and Technology*, June 2024.

## Publications SCI/UGC/SCOPUS with DOI number

- **Shubha Mishra et al.** “Automatic Train Overpass Using Camera Load Sensors and Obstacle Detection”, 2nd International Conference on Disruptive Technologies, April 2024 (**IEEE Scopus**).
- **Shubha Mishra et.al.** “Identifying False News using Enhanced Passive Aggressive Classifier Methods”, 2nd International Conference on Disruptive Technologies, April 2024 (**IEEE Scopus**).
- **Tej Singh et al.** "A CNN framework for COVID identification using Radiographic Images", in International Conference on Generative AI, Cryptography and Predictive Analytics (ICGCPA-2024) dated 28th-29th June 2024 organized by the Department of Computer Science, School of Engineering and Technology, VIPS-TC. (**Scopus index**)

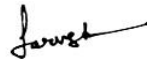
# Certificate of Training

**Tej Singh**

from MITS Gwalior has successfully completed a 4-week online training on **Advanced Excel**. The training consisted of Getting Started with Excel, Excel Basics, Formulas & Functions, Working with Data, and Advanced Concepts modules.

Tej scored 100% marks in the final assessment and is a top performer in the training.

We wish Tej all the best for future endeavours.



**Sarvesh Agarwal**  
FOUNDER & CEO, INTERNSHALA



**Dr. Shankar Raman**  
CEO, IITM PRAVARTAK TECHNOLOGIES FOUNDATION

Date of certification: 2024-04-29

Certificate no. : 26xi2g3m5vj

For certificate authentication, please visit [https://trainings.internshala.com/verify\\_certificate](https://trainings.internshala.com/verify_certificate)

 ACCREDITED WITH **NAAC A+** IN 1<sup>st</sup> CYCLE  
 **NBA** NATIONAL BOARD OF ACCREDITATION  
 **IEEE** UP SECTION (INDIA)  
 **GL BAJAJ** Institute of Technology & Management  
 FIND YOUR SPARK Approved by AICTE & Affiliated to AKTU

**2<sup>nd</sup> International Conference on Disruptive Technologies (ICDT-2024)**  
 IEEE Conference Record No: #61202  
 15<sup>th</sup> to 16<sup>th</sup> March, 2024 Certificate No. 117

*Certificate of Presentation*

This is to certify that Mr./Ms./Dr. SHUBHA MISHRA  
 of Madhav Institute of Technology and Science Gwalior(M.P.)  
 has presented / contributed paper entitled \_\_\_\_\_  
**Identifying False News using Enhanced Passive Aggressive Classifier Methods**

in the **2<sup>nd</sup> International Conference on Disruptive Technologies (ICDT-2024)** dated 15<sup>th</sup> - 16<sup>th</sup> March, 2024 organized by Department of Computer Science & Engineering, GL Bajaj Institute of Technology & Management, Greater Noida, (U.P.), India.

  
 Dr. Sansar Singh Chauhan  
 Conference Chair  
 ICDT-2024

  
 Dr. Shashank Awasthi  
 Conference Secretary  
 ICDT-2024

  
 Prof. Manas Kumar Mishra  
 General Chair  
 ICDT-2024

 **VIPS**  
 **ICGCPA 2024**  
 **Springer**

**VIVEKANANDA INSTITUTE OF PROFESSIONAL STUDIES-TECHNICAL CAMPUS**  
 Grade 'A++' Accredited Institution by NAAC  
 Recognised under Section 2(f) by UGC, ISO 9001:2015 Certified Institution  
 (Affiliated to Guru Gobind Singh Indraprastha University, Approved by AICTE)

**SCHOOL OF ENGINEERING & TECHNOLOGY**  
**CERTIFICATE OF PRESENTATION**

This is to certify that Tej Singh of Centre for AI, MITS Gwalior has presented a paper titled "A CNN Framework for Covid Identification using Radiographic Images" authored by Drishti Jain, Adivya Jain, and Tej Singh in International Conference on Generative AI, Cryptography and Predictive Analytics (ICGCPA-2024) dated 28th-29th June, 2024 organised by Department of Computer Science, School of Engineering and Technology, VIPS-TC.

  
 Dr. Ashish Kumar  
 Assistant Professor, VIPS-TC  
 Co-Convenor, ICGPA-2024

  
 Vineet Vats  
 Vice-Chairman, VIPS-TC  
 Patron, ICGPA-2024

  
 Dr. S.C. Vats  
 Chairman, VIPS-TC  
 Chief Patron, ICGPA-2024

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 Dr. Sansar Singh Chauhan  
 Conference Chair  
 ICDT-2024

  
 Dr. Shashank Awasthi  
 Conference Secretary  
 ICDT-2024

  
 Prof. Manas Kumar Mishra  
 General Chair  
 ICDT-2024

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