**Template for Faculty Data**

**Faculty Name: Rohit Singh Thakur**

Designation: Assistant Professor

Employee ID:

Qualification: M.TECH

Phone No.:

Email Id: rohit.singhthakur2@gmail.com

1. **About Faculty**

I, Rohit Singh Thakur completed M.Tech (CTA), from Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal and currently serving as an Assistant Professor in SGSITS, Indore. I have experience to work on Storage Server (Dell-NX3240), GPU- A100 based AI Server (Dell R7525), Rasberry-Pi Kits, LORAWAN, IoT Kits and other multiphysics softwares. My research area of interest Artificial Intelligence, Machine Learning & Computer Vision using Deep Learning Algorithms in which we can evolve a self learning mechanism for real time problems related to agriculture.

1. **Educational Qualification (As given in bio-data uploaded on website)**

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| --- | --- | --- | --- | --- |
| **S. No.** | **Degree** | **Specialization** | **Year** | **University/Board** |
|  | Higher School | All Subjects | 2003 | MP Board, Bhopal |
|  | Higher Secondary | PCM | 2005 | MP Board, Bhopal |
|  | Bachelor of Engineering (BE) | Information Technology | 2009 | RGPV, Bhopal |
|  | Master of Technology  (M.TECH) | Computer Technology & Applications | 2012 | RGPV, Bhopal |

1. **Work Experience**

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| --- | --- | --- | --- | --- |
| **S. No.** | **Designation** | **Department** | **Employer Name** | **Duration of Employment** |
|  | Assistant Professor | IT | Shri Ram Institute of Technology, Jabalpur | 11.11.2009-31.01.2019 |
|  | Project Officer (CSE) | TEQIP-III | RGPV, Bhopal | 10.07.2019-29.08.2022 |

1. **Research Detail**

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1. **PhD Supervision**

-NA-

1. **Publication**

• Published book chapter in Prestigious Scopus indexed Lecture Notes in Electrical Engineering Series on“infield real time automatic weed detection using Deep Learning Techniques” in 2021.

* International Conference paper published on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC) tilted as A Short Review on Big Data Analytics in Healthcare (PaperCode:01-2018-660)in2018.

• Performance Investigation of 802.11MACDCF International Journal of Distributed and Parallel Systems Vol-32012

• Attacks in Wireless Sensor NetworksIJSERVol-32012

1. **Project**

**Title:** Deep Learning based Smart Agriculture Weed Detection and Identification System

**Scheme:** Collaborative Research Scheme (CRS) under TEQIP-III

**Sanctioned Grant (in INR):** 3,00,000.00

**Role:** Co-Principal Investigator

**Project Status:** Completed on 31st March 2021

1. **Testing & Consultancy**

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1. **Other Details**

* Conducted 660 Expert Talk/Webinar/Workshops/FDP/STTPs on emerging technologies under TEQIP-III project. Link: [*http://teqip.rgpv.ac.in*](http://teqip.rgpv.ac.in/)
* Delivered the expert session on Artificial Intelligence, Machine Learning, Deep Learning, IoT.
* In-Charge FAB Lab equipments (3D-Printer, CNC Router & CNC Lathe Machine) for design and prototyping.
* Volunteered as an invigilator for the University's online undergraduate and postgraduate exams.
* Conduction of Industry Consultation Committee (ICC) meetings for syllabus revision constituted as per NPIU, TEQIP-III guidelines.
* Capacity Development Program for Directors/Principals/Faculty & Students from IIM Ahmadabad, Indore & Raipur.
* Conduction of Centralized Research Lab Activities.
* Handling the online portal PMSS, PFMS, GeM & NIC-CPPP for procurement of goods under Technical Education Quality Improvement Program (TEQIP-III) & Rashtriya Ucchatar Shiksha Abhiyan (RUSA).

1. **Workshops & Certifications (Other Details)**

* Attended an online FDP on Introductory Data Science & Deep Learning from 16th-20th September 2021 organized by AICTE Training & Learning (ATAL) Academy at International Institute of Information Technology (IIIT)-Naya Raipur.
* Participated in online FDP on Industrial Applications of Machine Learning & Artificial Intelligence from 6th-10th September 2021 organized by AICTE Training & Learning (ATAL) Academy at Manipal University Jaipur.
* Attended an online FDP on “Digital Pedagogy & Capacity Building” during 10th-12th June 2020 at IIM Raipur.
* Participated in online training program on “Management Capacity Building & Digital Pedagogy” during 9th-11th July 2020 at IIM Raipur.
* Attended an online FDP on “E-Pedagogy & Capacity Building” during 17th-19th June 2020 at IIM Raipur.
* Attended Short term course on Automation & IoT for Smart Manufacturing during 10th -14th Dec2019 at IIT Delhi.
* Attended Design Workshop-2019 organized by IIITDM Jabalpur.
* Participated in Short Term Training Program (STTP) on VLSI Design-Methodologies and Tools during 16th-18th December 2019 at UIT-RGPV.
* Attended Faculty Development Program on Fundamentals of PSCAD and Its General Applications during 6th-7th January 2020 at UIT-RGPV.
* Participated in Short Term Training Program (STTP) on IoT Applications during 21st-23rd January 2020 at RGPV Bhopal.
* Attended FDP at Acropolis institute Indore organized by IIT Kanpur.
* Honor code certified by IEEE in 2015 & MOOCs certified by NPTEL.
* Six Sigma Certified by Tata Consultancy Services at SRIT Jabalpur.