# RAVI PRAKASH MAHOBIA

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**Digital-CV: https://raviprakashmahobiacv.blogspot.com/**

# CAREER OBJECTIVE

“To continuously enhance my knowledge, and skills and utilize them for personal and organizational growth to the best of my ability and experience by getting involved in challenging work environment.”

# EDUCATIONAL QUALIFICATION

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Exam | Name of School/College | University  /Board | Year | % | Remark |
| **MTECH**  **(PSE)** | Shri Shankaracharya Group  of Institute, Bhilai | CSVTU | 2016-18 | 75 | Pass  **(HONOURS)** |
| **BE (EEE)** | Rungta College of  Engineering and Technology, Bhilai | CSVTU | 2011-15 | 72.74 | Pass |
| **12th** | Shri Mahaveer Jain School,  Durg | CGBSE | 2011 | 78.8 | Pass  **(HONOURS)** |
| **10th** | Shri Mahaveer Jain School,  Durg | CGBSE | 2009 | 85.5 | Pass  **(HONOURS)** |

**EXPERIENCES**

1. Working as an **Assistant Professor, Activity & Event In-charge**, **Departmental** **Magazine In-Charge**, **Departmental Attendance In-Charge, Departmental Class Test In-charge** in Kalinga University, Nava Raipur**.** (From Feb 2022 to Present).
2. Worked as a **Test Center Admin** in Rungta Group of Colleges, Bhilai-Raipur.(From Dec 2018 to Jan 2022).
3. Worked as an **Assistant Exam Superintendent** in Rungta Group of Colleges, Bhilai-Raipur**.** (From July 2019 to Jan 2022).
4. Worked as an **Assistant Professor** in Rungta Group of Colleges, Bhilai-Raipur.(From 01 Feb 2018 to 28 Jan 2022).
5. Worked as an **ESE** in Jindal Electric Machinery Corporation, LUDHIANA, PUNJAB.

(From July to September 2015).

# ACTIVITIES & EVENTS ORGANIZED

1. Organizing One Day Online guest lecture on Matlab Applications in Engineering by ARK Info solutions on 21 November 2023 under the banner of Institution’s Innovation Council.
2. Organized Logo Designed Competition under the banner of Spark Club on 06-09-2023.
3. Guest Lecture organized on Wind Mill & E- Vehicles at 12-04-2023.
4. Organized Industrial Visit at 1 MW On-Grid Solar Plant in Mantralaya, Nava Raipur, Chhattisgarh at 16-11-2022.
5. Organized workshop on PPT, Presentation for Students of Electrical at 22 March 2023.
6. Worked as Certificate Committee at Organizing Committee in NCRIET-2022 on 6th May -2022.
7. Worked as Certificate Committee and Press Release Committee at Organizing Committee in 14-Days FDP Organized at Kalinga.
8. Worked as Food Committee Head at NCAAPAM 2022-23 on 14th- 15th Feb 2023.
9. Worked as Food Committee Head at FDP organized by RCET, Raipur from 31 May to 06 June-2019.

# VOCATIONAL TRAINING

1. Vocational Training from BSP in 2013, Bhilai (C.G).
2. Vocational Training from CSEB in 2014, Durg (C.G).

# PROJECT

1. BE PROJECT- Soft start of three-phase induction motor with the help of SCR

(By this model the initial starting current is reduced with the help of SCR, which will help to start the three-phase induction motor smoothly).

1. M.TECH PROJECT- Performance analysis of coordinated PID and UPFC-based stabilizer.

# PAPER PUBLISHED

1. Vinayak Kumar, Ravi Prakash Mahobia, “A Review Paper on Harmonic Mitigation Techniques”, BioGecko, Vol 12 Spl Iss 01 2023, ISSN NO: 2230-5807, PP-162-172.
2. Ravi Prakash Mahobia, Kirti Sahu, ‘’A Review Paper on Building Information Modeling (BIM): Utilizing Electrical and Civil Engineering Tools and Techniques to Develop Advanced Building Information Models for Efficient Construction and Maintenance of Buildings”, BioGecko, Vol 12 Spl Iss 01 2023, ISSN NO: 2230-5807, PP-173-178.
3. Rajendra Kumar Sahu, Ravi Prakash Mahobia, “A REVIEW ON POWER SYSTEM STABILITY IMPROVEMENT” ECB-2023,Special Issue1, PP-264-269.
4. Raviprakash Mahobia, Mahesh Ahuja, “Mitigation Appertaining To Electromotive Force Sag Using Dynamic Electromotive Force Restorer Based On Space Vector Pulse Width Modulation”, *Journal of Pharmaceutical Negative Results*, pp. 5242–5248, Dec. 2022.
5. Mahesh Ahuja, Raviprakash Mahobia “Three Phase Shunt Active Power Filter using pq theory Analysis of Stability Problem in Wind Generator by using STATCOM. https://www.neuroquantology.com/article.php?id=11864
6. Ravi Prakash Mahobia\*, Aabha Sahu, “Comparative Analysis of Conventional PID and Fractional PID Based Stability Improvement of IEEE 9 Bus System via Statcom”, *Editorial*, vol. 54, no. 6, pp. 369–377, Jun. 2022.
7. Mr. Ravi Prakash Mahobia\* & Mrs. Aabha Sahu, “IEEE 9 Bus Power System Stability Improvement with Facts Devices”, *J. Optoelectron. Laser*, vol. 41, no. 5, pp. 637–644, May 2022.
8. Mrs. Aabha Sahu & Mr. Ravi Prakash Mahobia, “Smart Electricity Monitoring and Control System Using IoT”, *J. Optoelectron. Laser*, vol. 41, no. 5, pp. 645–659, May 2022.
9. Mrs. Aabha Sahu & Mr. Ravi Prakash Mahobia, “Distributed Microgrid State Estimation: New Opportunities and Challenges In Smart Grid”, *Editorial*, vol. 54, no. 5, pp. 182–186, May 2022.
10. Ravi Prakash Mahobia, Debshree Bhattacharya, A. Kishor, Kamal Solanki “GA-PID and Conventional-PID Based Analysis of PID controlled UPFC Stabilizer’’. 7th International Conference ‘’Shastrardh-2022’’ on computational optimization modelling and simulation: Recent trends and challenges on 25 & 26 March 2022.
11. Ritu Sharma, Ravi Prakash Mahobia “ Comparative Analysis of Fractional and Conventional PI Controller in Shunt Active Filter for a Three Phase Three Wire System.” I-manager’s Journal on Future Engineering & Technology, Vol. 15\* No.\* February-April 2020.
12. Ritu Sharma, Ravi Prakash Mahobia, Ankita Dwivedi “A Review Of The Mitigation On Harmonics For Three Phase Four Wire System By Using Shunt Active Power Filter” . 2nd IEEE International Conference on Smart Technologies for Power, Energy & Control (STPEC-2021) 19th -22nd December 2021.
13. Ravi Prakash Mahobia, Mahesh Singh, Shimpy Ralhan, Ritu Sharma “Performance analysis of Co-ordinated designed PID and UPFC based Stabilizer”, International Conference on Advanced Computing and Intelligent Engineering, 23th December 2018.
14. Ritu Sharma, Naveen Goel, Saji Chacko, Ravi Prakash Mahobia “ Performance investigation othe f fractional PI controller in shunt active filter for three-phase three wire system”, Third International Conference on Intelligent Communication, Control and Devices, 21th December 2018.
15. Ravi Prakash Mahobia, Mahesh Singh, Shimpy Ralhan, “ Conventional PID and GA-PID based comparative analysis of Co-ordinated PID-UPFC Stabilizer”, International Journal JETIR (ISSN: 2349-5162), Vol.4, Issue 06, September 2017.
16. Ritu Sharma, Naveen Goel, Ravi Prakash Mahobia “ Mitigation of harmonic distortion by using passive filter for nonlinear load”, International Journal of Applied Science Engineering and Management, Vol 4, Issue 02, ISSN: 2454-9940.

**PATENTS**

1. **Office Power Management Devices**, Application Number: 363915-001, Date: 07/10/22.
2. **IOT based remote access control in water level monitoring for water management,** Application Number 202341020621, Publication Date (U/S 11a) 07/04/2023.

**EXTRA CURRICULAR ACTIVITIES**

1. **Awarded as Outstanding Faculty Award** in academics By Kalinga University, Raipur.
2. 45-Days Internship Program developed and conducted successfully. (15 June – 30 July 2023).
3. Conducted various activity for Departmental as well as Faculty of technology students.
4. Given the one-day workshop on **‘’MATLAB- MODELLING AND SIMULATION OF BASIC ELECTRICAL CIRCUITS’’** at Kalinga University, Naya Raipur.
5. Member of Board of Studies at Kalinga University.
6. Organizing Member in NATIONAL CONFERENCE ON Recent Innovations in Engineering & Technology, NCRIET-2022, Organized by Faculty of Engineering.
7. Reviewer in reputed journals.
8. Done the work in one NBA, two NAAC, two AICET, and three CSVTU inspections. (From 2018 to 2023).
9. Participated in Conference organized by CSVTU in 2018.
10. Paper presented in ELYSIAN-2016.
11. Participated in other college events in CSIT & BIT, Durg in 2014.
12. Participated in a Technical event at NIT, Raipur in 2014.

# PROFESSIONAL MEMBERSHIP

1.

1. Institute for Engineering Research and Publication (IFERP)
2. International Association of Engineers (IAENG)
3. National institute for technical training & skill development (NITTSD)
4. International Association of Academic Plus Corporate (IAAC)
5. The Institute of Engineering and Technology (IET)
6. Teacher’s First.

# FDP & STTP ATTENDED

1.

1. Successfully completed One week online National Level **FDP** on **New Education Policy-2020, organized by RBBSU, Deharadun. (24th to 29th Sept. 2022)**
2. Successfully completed FDP on **PERSONAL EFFECTIVENESS** organized by Kalinga University in collaboration with TITANS learning Pvt. Ltd. On 12-13 Aug 2022.
3. Successfully completed FDP on **RECENT ADVANCEMENT IN MATERIAL ENGINEERING** organized by Kalinga University, Nava Raipur on 14-27 June 2022.

1. Attended one-week AICTE sponsored FDP on **‘’REFLECTIONS ON PROFEDDIONAL DISPOSITION AND CAMPUS EMPOWERMENT THROUGH ACADEMIC INTEGRITY** held on RCET, BHILAI, from 22.12.2021 at 28.12.2021.
2. Attended Five-day FDP webinar on **‘’LaTeX”** from **IIT, BOMBEY** (7/7/2020 -11/7/2020).
3. Attended Five-day FDP webinar on **‘’MOODLE” from IIT, BOMBEY** (23/6/2020 -27/6/2020.
4. Attended Three-day FDP webinar on **‘’REAL TIME HARDWARE IN THE LOOP SIMULATIOM FOR POWER ELEX AND POWER SYSTEM”** from **SGSIT&S** INDORE MP. (28/6/2020 -30/6/2020).
5. Attended five-day work shop on **‘’FACULTY DEVELOPMENT PROGRAM’’** in power system engineering at **IIT, Bhilai.**
6. Attended five-day work shop on ‘’ **FACULTY DEVELOPMENT PROGRAM’’** in analog electronics **at IIT, Bhilai**. (18 sept. to 19 sept. 2019).
7. Attended seven-day work shop on ‘’ **FACULTY DEVELOPMENT PROGRAM’’** in RCET, Raipur. **(31may to 06 june 2019).**
8. Attended five-day work shop on’ **FACULTY DEVELOPMENT PROGRAM’’** in

## CSVTU, Bhilai. (24 june to 28 june-2019).

# COURCES COMPLETED

1.

1. Successfully completed a course on **“Microsoft Security, Compliance, and Identity Fundamentals: Describe the capabilities of Microsoft Identity and access management solutions.”** at 22 July 2023.
2. Successfully completed a course on **“MS-900 Microsoft 365 Fundamental: Demonstrate fundamental knowledge of Microsoft 365 security and compliance capabilities.”** at 22 July 2023.
3. Successfully completed a course on ‘’**Excel Tips and Tricks**’’ from Great Learning.
4. Successfully completed a course on **‘’Used Smartphone Price Prediction’’** from Great Learning.
5. Successfully completed a course on **SMART ENGLISH FOR PROFESSIONALS**. (03-2023).
6. Successfully completed a course on **DECISION TREE**. (03-2023)
7. Completed 30 Days Master Class Certificate Course on **‘’Machine Learning’’**. (11-01-2023 to 10- 02-2023)
8. Successfully completed a course on **MATLAB**. (07-2022)
9. Successfully completed a course on **DATA SCIENCE PROJECTS**. (07-2022)
10. Completed 30 Days Master Class Certificate Course on **‘’EV Design’’**. (21-03-2022 to 20- 04-2022)
11. Completed 30 Days Master Class Certificate Course on **‘’Artificial Intelligence’’**. (21-03- 2022 to 20-04-2022)

# BOOTCAMPS ATTENDED

1. Attended boot Camp on **Top Skills Needed for a Successful Career in Embedded System**. (06-03-2023)
2. Attended boot Camp on **ADAS & Autonomous: Technology Overview and Career Directions**. (17-08-2022)
3. Attended boot Camp on **Career Opportunities in EV Domain.** (02-08-2022)
4. Attended boot Camp on **Embedded Systems**. (19-07-2022)
5. Attended boot Camp on **ADAS & AUTONOMOUS VEHICAL: OVERVIEW AND CAREER DIRECTIONS**. (02-08-2022).

# WEBINARS ATTENDED

1.

1. Attended one day webinar on **“One Earth, One Family, One Future: The incumbent challenges and the way forward**” organized by Faculty of law, Kalinga University, Naya Raipur on 05th june 2023.
2. Attended one-day webinar on **‘’Electric Vehical Charging Based on Solid State Circuit Breaker Technology Presented by Binesh Kumar’’** Held on 02.03.2023 by IEEE PELS- IEEE TEC.
3. Attended one-day webinar on **‘’EFFECTIVE ONLINE TEACHING TECHNIQUES’’**

Held on 23.05.2021 at 03:00 PM by **PEIEA**.

1. Attended one-day webinar on **‘’INDUSTRY 4.0 FROM SME PERSPECTIVE ’’** on dated 02/08/2020 from **MAHARASTRA INSTITUTE OF TECHNOLOGY,** AURANGABAD.
2. Attended one-day webinar on **‘’ ANALYSIS OF SPEECH SIGNAL IN HEALTHCARE’’** on dated 22/07/2020 from **LCIT,** BILASPUR.
3. Attended one-day webinar on **‘’ALTERNATIVE FUEL”** on dated 09/07/2020 from **LCIT,**

BILASPUR.

1. Attended one-day webinar on **‘’WEBINAR ON ONLINE LEARNING RESOURCES”**

from **CEC,** BILASPUR (02/7/2020).

1. Attended one-day webinar on **‘’E-WIATALK- EVOLUTION IN TEACHING AND LEARNING POST COVID-2019”** from **LCIT**, BILASPUR (02/7/2020).
2. Attended one-day webinar on **‘’IMPACT OF COVID-19 ON INDIAN ECONOMY”**

from **CEC,** BILASPUR (02/7/2020).

1. Attended one-day webinar on **‘’TAKING LEARNING AND RESEARCH FORWORD USING IEEE-XPLORE DIGITAL LIBRARY”** from **LTCE,** KOPARKHAIRANE (27/6/2020).
2. Attended one-day webinar on **‘’ELECTRIC VEHICAL AND THE WAY FORWORD”**

from **OPJU,** Raigarh (20/6/2020).

1. Attended one-day webinar on **‘’E-MOBILITY AND SOLAR CHARGING FOR E- MOBILITY” from CEC,** BILASPUR (20/6/2020).
2. Attended two-day webinar on **‘’TIPS TO FORMULATE RESEARCH PROJECT PROPOASL AND WRITE TECHNICAL PAPERS”** from **GMRIT,** AP. (21-22 JUNE 2020.
3. Attended one-day webinar on **‘’YOGA: NATURAL IMMUNITY BOOSTERAGAINST COVID-19”** from **CEC,** BILASPUR (22/6/2020).
4. Attended one-day webinar on **‘’LAUNCHING NANOSATALIGHT”** from **GMRIT,** AP. (18-JUNE 2020).
5. Attended one-day webinar on **‘’INTERNAT OF THINGS- THE STATE OF ART” from CEC,** BILASPUR (20/6/2020).
6. Attended one day webinar on **‘’ MIKE URBAN+ MODELLING TOOLS’’ in CSVTU,**

Bhilai. (12/06/2020).

# WORKSHOP

1.

1. Attended work shop on **“Antennas’’** on 27 September 2023’’Organized RISE Krishna Sai Gandhi Group of Institution in association with Pentech Elearning Pvt. Ltd.
2. Attended work shop on **“Cooperative Adaptive Cruise control for intelligent Cehicular Flow’’** on 21 August 2023’’from Skill-Lync.
3. Attended work shop on **“Introduction to Advanced Robotics in Industry 4.0’’** on 19 June 2023’’from Skill-Lync.
4. Attended work shop on **“Basic of Circuit Design and Analysis for the Automotive Industry’’** on 19 June 2023’’from Skill-Lync.
5. Attended work shop on **‘Bettery Thermal Management Service’’** on 28 april 2023’’from Skill-Lync.
6. Attended work shop on **‘’Electric Train Power Architecture’’** on 24 april 2023,from Skill-Lync.
7. Attended work shop on ‘’**Implementation of Power Electronics Converter for Solar Applications’’** on 25 april 2023,from Skill-Lync.
8. Attended work shop on **‘’VLSI- the Need for Hour’’** from Skill-Lync **04-04-2023**
9. Attended Breakthrough work shop on **‘’PCB DESINING’’** from Pentech E- Learning **Pvt. Ltd. Chennai on 21-02-2023.**
10. Attended work shop on **‘’How to build & Test 5G Networks’’** from Skill-Lync **on 06-02-2023.**
11. Attended work shop on **‘’AUTOSAR for Vehicle Embedded Software Architecture’’** from Skill-Lync **21-01-2023.**
12. Attended two-day work shop on **‘’VIRTUAL LABORATORY’’** in **IIT, BHILAI.**
13. Attended two-day workshop on **‘’ Work-Life Balance and Stress Management”** in RCET, Raipur.
14. Attended one day workshop on **‘’ Briding Academic R&D with Product Innovation: A Few Case Studies and a Way Forward’’** in **CSVTU**, Bhilai.
15. Attended one day workshop on **‘’Academic Writing Skills’’** in **CSVTU**, Bhilai.
16. Attended **‘’PCB designing’’** organized by EEE association held at RCET, Bhilai in September 2012.
17. Attended one day workshop on **‘’Genetic Algorithm’’** by Prof. Ganapati Panda in September 2014.

**HOBBIES**

1. Bike riding.
2. Gymming.
3. Travelling.
4. Social work.

**PERSONAL DETAILS**

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| --- | --- |
| Father’s Name - | Mr. Waman Kumar Mahobia |
| Mother’s Name - | Mrs. Kiran Devi Mahobia |
| Date of Birth - | 10-09-1993 |
| Gender - | Male |
| Marital Status - | Married |
| Language Known - | Hindi, Chhattisgarhi, English |
| Contact Number - | +91-9074526961 |

I hereby declare that all the above information are true to the best of my knowledge and I will be responsible for any kind of error or misconceptions in future.

PLACE: Raipur (C.G.) Ravi Prakash Mahobia

DATE: 11-10-2023