**Rajkumar Soni**

**Assistant Professor (Department of Electrical Engineering)**

**Techno India NJR Institute of Technology, Udaipur**

1. **Qualification**

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| **Degree** | **College** | **University** | **Year** | **Specialization** |
| M. Tech. | SPSU, Udaipur | SPSU | 2019 | Energy and Power System |
| B. Tech. | Techno India NJR Institute of Technology, Udaipur | RTU | 2012 | Electrical and Electronics Engineering |

1. **Work/Teaching Experience**

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| **Employer** | **Designation** | **Regular/Adhoc** | **Duration(From – to)** |
| Techno India NJR Institute of Technology, Udaipur | Assistant  Professor | Regular | Jan 2017 to till date |
| Arcgate, Udaipur | Quality Analyst | Regular | April 2015 to Sep 2016 (1 Year 5 month) |
| Kuloday Technopack Pvt. Ltd, Daman | G.E.T. | Regular | May 2015 to Sep 2015 (5 month) |
| Techno India NJR Institute of Technology, Udaipur | Teaching Associate | Regular | April 2012 to May 2014 (2 Years and 1 month) |

1. **Research Contribution**

**Papers**

* Published a paper on “Real Time Electrical Energy Monitoring and Cost Benefit Analysis using Smart Meter” in International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-6S, March 2020.
* Published a paper on “Simulation of Vector Control of Induction Motor in MATLAB” in National Conference on Technology Advances in Electrical & Renewable Energy Engineering (EREECON 2013) held at Techno India NJR Institute of Technology, Udaipur in association with the institution of Engineers (India) Udaipur.

1. **Academics Achievements**

* Best Faculty Award in year 2013.
* Best Faculty Award in year 2017.
* Best Faculty Award in year 2018.
* Scoring 100 %, 95% and 80% result for the subjects “Power System Engineering”, “Economics of Power System” and “Power System-I” respectively, in Semester 7th and 5th.

1. **Mentoring roles performed for student projects**

* Mentored students for Project “Smart Meter”, EE student team won THAR-2020, Hackathon.
* Mentored students for project “Lake Monitoring System”
* Mentored students for various PLC based projects: “Water Distribution System”, “Object Sorting”, “PLC based Parking System”, “PLC based Railway crossing system”

1. **Certificates of Participation in Workshops/Seminars**

* Attended FDP (Faculty Development Program) of AICTE on “Technological Advances & Emerging Dimensions in Power and Energy Sector”. December 18-30, 2017.
* A Workshop on Robotics organized by renowned company ROBOSAPIENS.
* A National workshop on Fundamentals of PSCAD and General Application organized by Nayak Power System Pvt. Ltd.

1. **Administrative responsibilities handled**

Assistant Professor, Department of Electrical Engineering in Techno India NJR

1. EE department Project coordinator.
2. Coordinator for PLC lab & MATLAB.
3. Student Fees Coordinator.
4. **Added Certification Details**
   1. **Online Course Certification**
      1. Total of 14 courses from Coursera online learning platform. Mainly on MATLAB, Python programing, Power System and Energy Production, Distribution & Safety, etc.
      2. Total of 3 courses from MathWorks online learning platform. Mainly on Machine Learning Onramp, Deep Learning Onramp and MATLAB Onramp, etc.
      3. Total of 9 courses from TATA Steel online learning platform. Mainly on PLC, Power System Protection, Industry 4.0, Power System Earthing, etc.
      4. Total of 18 courses and Specialization from Linkedin Learning online platform. Mainly on Auto-Cad Electrical, PLC Developer, Arduino, Industrial Automation, Electronics Foundation, etc.
   2. **Training Modules**
      * 1. Industrial Training: Installation, Testing and commissioning of 33/132 K.V. for REGEN POWERTECH Pvt. Ltd. Organization: SONAA Engineers Pvt. Ltd. Location: Kangarh, Dalot, Pratapgarh (Raj.) Duration: 30 Days.
        2. Industrial Training: PLC, SCADA Organization: Automation and Control System ACS Location: Pune Duration: 30 Days.
        3. Industrial Training: Manufacturing of Panels Organization: Pyrotech Electronics Pvt. Ltd. (Unit II) Location: Udaipur (raj.) Duration: 30 Days.