

Curriculum Vitae

Dr. Rajesh Narayan Deo

Assistant Professor
E17, Department of Electrical Engineering
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I. PROFESSIONAL/ INDUSTRY EXPERIENCE:

S. No.	Teaching/ Industry	Name & address of employer	Post held	From	To
1.	Teaching	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	Assistant professor	30-12-2022	Till Date
2.	Teaching	Galgotias College of Engineering & Technology, Greater Noida, Uttar Pradesh	Assistant professor	29-08-2014	28-12-2022
3.	Teaching	Sharda University, Greater Noida, Uttar Pradesh	Assistant professor	16-06-2012	28-08-2014
4.	Industry	Mega Infotech and posted at Schneider Electric India, New Delhi	Variant Configurator	12-12-2007	04-05-2010

II. EDUCATIONAL QUALIFICATION:

Exam Passed	Specilization/Branch	School/College	Board/University	Passing Year
Ph.D	Electrical Engineering	Indian Institute of Technology (ISM), Dhanbad	Indian Institute of Technology (ISM), Dhanbad	2024
M.Tech	Power System	National Institute of Technology, Calicut	National Institute of Technology, Calicut	2012
B.Tech	Electrical Engineering	Kurukshetra University	M.M. Engineering College ,Mullana,Haryana	2007
XII standard	Science	J.N.V Latehar	CBSE Board	2001
X standard	-	J.N.V Gandey, Giridih	CBSE Board	1999

III. PUBLICATIONS

(a) Paper published in International Journals: 03

S. No.	Title of Paper	Author(s)	Name of the Journal	DOI	Year
1.	Design of energy-saving driver circuit for 80 Watt LED using Flyback Converter	Rajesh Narayan Deo, Ashish Shrivastava, Kalyan Chatterjee	Journal of Engineering Research	https://doi.org/10.36909/jer.ICMET.17199	06 April 2022
2.	Implementation of sliding mode backstepping controller for boost converter in real-time for LED application	Rajesh Narayan Deo, Ashish Shrivastava, Kalyan Chatterjee	Expert Systems (Wiley)	https://doi.org/10.1111/exsy.13095	05 July 2022

3.	A Highly Efficient PFC Flyback Converter for Residential Lighting with Universal Input	Rajesh Narayan Deo, Ashish Shrivastava, Kalyan Chatterjee	IETE Journal of research	https://doi.org/10.1080/03772063.2023.2175058	2023
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(b) Paper published in International Conference: 05

S. No.	Title of Paper	Author(s)	Name of the Conference	Year
1.	A Review of Power Factor Correction and Reduction in Total Harmonic Distortion for LED Drivers	Akanksha Verma, Rajesh Narayan Deo, etl.	Renewable Power for Sustainable Growth. Lecture Notes in Electrical Engineering, vol 723. Springer	2021
2.	Case Study of Synchronization of Solar Power Converter	Prashant Kumar Singh, Rajesh Narayan Deo, etl.	International Conference on Startup Ventures: Technology Developments and Future Strategies 8–9 October 2018, Manipal University Jaipur, Rajasthan, India	2021
3.	Study of Effectiveness of Autonomous Solar Energy Systems	Prashant Kumar Singh, Rajesh Narayan Deo, etl.	IEEE 6th International Conference on Computer Applications in Electrical Engineering- Recent Advances (CERA), IIT Roorkee, India	2021
4.	Single Stage Isolated Zeta Converter (SS-IZC) Circuit with Improved Power Factor for LED's Application	Rajesh Narayan Deo, Ashish Shrivastava, Kalyan Chatterjee	International Conference on Startup Ventures: Technology Developments and Future Strategies 8–9 October 2018, Manipal University Jaipur, Rajasthan, India	2019
5.	Policy Impact on Generation of Renewable Energy	Shahroz Anjum, Amit Rai and Rajesh Narayan Deo	International Conference on Startup Ventures: Technology Developments and Future Strategies 8–9 October 2018, Manipal University Jaipur, Rajasthan, India	2019

IV. PATENTS APPLIED/GRANTED

S. No.	Title of Invention	Inventor(s)	Application No.	Date
1.	Hybrid Network for Real-Time Tracking Using Machine To Machine Communication	PUNITHA, A.; PRASAD, M.; SHANTHI, S.; DEO, RAJESH NARAYAN ; SARITHA, G.; ANITA SOFIA LIZ, D. R.; YADAV, MALA; OHMSAKTHI VEL, R.; BRINDHA, S.; SINGH, GURPREET; SENTHIL MAHESH, P. C. and JAICHANDRAN, R.	2021103546	21 July 2021
2.	IoT and Machine Learning-based Headlight Intensity Changing device for Electrical Vehicles	V., Tulasi Krishna Gannavaram; Singh, Akhilesh; Gannavaram, Venkat Chinmai Sai; Gannavaram, Venkat Praveen; Justice, Ohene-Akoto; Keshipeddi, Sai Bhatt; Chandel, Garima; Sangem, Raviteja; koul, Sumit; A., Sabarivani; Deo, Rajesh Narayan and A., Ambikapathy	2021101737	9 June 2021

3.	EMBEDDED BASED SMART GARDENING SYSTEM	S. SWEETLINE SHAMINI, MALA YADAV, RAJESH NARAYAN DEO , AMIT KUMAR KESARWANI, NAND KISHORE, Dr. SURESH SEETHARAMAN, Dr. THERESA CENATE C F, Dr. N. MANIKANDAN, CHANDAN KUMAR, Dr. B. MUTHUVEL	202141026441	14 June 2021
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V. ADMINISTRATIVE RESPONSIBILITIES HELD/CONTINUING

S. No.	Position held/ Responsibility	Level	Institute	From	To
1.	Lab-in-charge of Basic Electrical Engineering Lab	Department	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2023	-
2.	Lab-in-charge of Network Theory Lab	Department	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2023	-
3.	Sports Club Committee Member	Institute	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2023	-
4.	Member of Anti-ragging Squad 2024-25	Institute	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2024	-
5.	Hostel superintendent	Institute	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2023	-
6.	Member of Anti-ragging committee 2024-25	Institute	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2024	-
7.	Member of NBA (Criteria-3)	Department	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2023	-
8.	Time-Table Coordinator (UG/PG/PhD)	Department	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2023	-
9.	Student feedback and Exit survey Coordinator (UG/PG/PhD)	Department	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2023	-
10.	Departmental Entrepreneurship Coordinator	Department	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2023	-
11.	Departmental Examination Coordinator	Department	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2023	-
12.	Preparation of Lab Equipment List for Engineering Colleges under JUT Ranchi	Institute	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	2023	-

VI. MEMBERSHIP/ FELLOWSHIP OF PROFESSIONAL SOCIETIES

1. IEEE Member (90922519).
2. Member of Institute of Research Engineers and Doctors IRED (SM10100060252).
3. Member of Institute for Engineering Research and Publication (IFERP) (PM3917994).

VII. WORKSHOP/FDP/SHORT TERM COURSE ATTENDED:

S. No.	Name of WORKSHOP/FDP/STC	Department & Institute	Platform	Duration	Year
1.	NEP 2020 orientation & sensitization programme	Indian Institute of Technology (Indian School of Mines), Dhanbad	Online	Two Week	2024

2.	Instructional Planning and Delivery of National Initiative for Technical Teachers Training	All India Council for Technical Education (AICTE)	Online	8 Weeks	2024
3.	Orientation towards Technical Education and Curriculum Aspects of National Initiative for Technical Teachers Training	All India Council for Technical Education (AICTE)	Online	8 Weeks	2023
4.	Professional Ethics and Sustainability of National Initiative for Technical Teachers Training	All India Council for Technical Education (AICTE)	Online	8 Weeks	2023
5.	Communication Skills, Modes and Knowledge Dissemination of National Initiative for Technical Teachers Training	All India Council for Technical Education (AICTE)	Online	8 Weeks	2023
6.	Technology Enabled Learning and Life-Long Self Learning of National Initiative for Technical Teachers Training	All India Council for Technical Education (AICTE)	Online	8 Weeks	2023
7.	Student Assessment and Evaluation of National Initiative for Technical Teachers Training	All India Council for Technical Education (AICTE)	Online	8 Weeks	2023
8.	Creative problem Solving, innovation and Meaningful R & D of National Initiative for Technical Teachers Training	All India Council for Technical Education (AICTE)	Online	8 Weeks	2023
9.	Institutional Management and Administrative Procedures of National Initiative for Technical Teachers Training	All India Council for Technical Education (AICTE)	Online	8 Weeks	2023
10.	Two-weeks Faculty Development Programme on “Entrepreneurship”	Innovation & Incubation Center, BIT Sindri, Dhanbad and sponsored by BIT Sindri Alumni Association of North America (BITSAANA)	Online	Two Week	2023
11.	IoT and its Applications	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2022
12.	Advances in Electrical and Electronics Engineering	NITTTR Chandigarh, and GCET, Greater Noida	Offline	One Week	2022
13.	Professional Development Programme on ‘Implementation of NER-2020 for University and College Teachers	IGNOU, New Delhi UGC- Approved Short Term FDP	Online	Two Weeks	2022
14.	Data Science- ML&AI	E&ICT Academy, IIT Kanpur	Online	One Week	2022
15.	Master Class on Electric Vehicle Design Using matlab	Pantech Solutions	Online	5 Days	2021
16.	Internship on Matlab Simulink	Pantech Solutions	Online	Four Weeks	2021
17.		Pantech Solutions	Online	5 Days	2021
18.	Safety in the Utility Industry	Coursera Platform	online	Four Weeks	2020
19.	Electric Power Systems	Coursera Platform	online	Four Weeks	2020
20.	Electric Utilities Fundamentals and Future	Coursera Platform	online	Four Weeks	2020
21.	Oracle Database Foundations	Coursera Platform	online	Two Weeks	2020

22.	COVID-19 Contact Tracing	Coursera Platform	online	One Week	2020
23.	Neural Networks and Deep Learning	Coursera Platform	online	Four Weeks	2020
24.	Excel Skills for Business Essentials	Coursera Platform	online	Four Weeks	2020
25.	Energy: The Enterprise	Coursera Platform	online	Four Weeks	2020
26.	Air Pollution-a Global Threat to our Health	Coursera Platform	online	Three Weeks	2020
27.	Renewable Energy and Green Building Entrepreneurship	Coursera Platform	online	Three Weeks	2020
28.	Introduction to Intel Distribution of OpenVINO toolkit for Computer Vision Applications	Coursera Platform	online	One Week	2020
29.	AI for Everyone	Coursera Platform	online	Four Weeks	2020
30.	Structuring Machine Learning Projects	Coursera Platform	online	Two Weeks	2020
31.	Machine Learning Using Python	Galgotias College of Engineering & Technology, Greater Noida	Offline	5 Days	2019
32.	NBA Accreditation for Quality Assurance	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2019
33.	Teaching And Learning in Engineering (TALE)	NPTEL Online Certification	Online	One Weeks	2019
34.	Microcontrollers and Embedded System	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2019
35.	Indian Electricity Rule and Code of Practices	National Institute of Technical Teachers and Research, Kolkata	Online	One Week	2019
36.	Ethics of Sustainable Technology and Environment	Galgotias College of Engineering & Technology, Greater Noida	Offline	One Week	2018
37.	Advance Application of Matlab in Engineering	GL Bajaj Institute of Technology and Management	Offline	5 days	2018
38.	Sustainable & Reliable Solutions to Power Quality Problems in Smart Power System Network	JSS Academy of Technical Education, Noida and AKTU, Lucknow	Offline	One Week	2018
39.	Recent Developments in Electrical Power Systems	JSS Academy of Technical Education, Noida and AKTU, Lucknow	Offline	One Week	2018
40.	Innovation and Creativity in Teaching Learning Process	GL Bajaj Institute of Technology and Management	Offline	6 days	2018
41.	Scilab Programming	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2018
42.	Matlab & Labview with its Hardware Interface	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2018
43.	Electric Power System	IIT Kharagpur	Offline	Two Weeks	2017
44.	Advances in Communication & Networking (ACN-2017)	Galgotias College of Engineering &	Offline	5 Days	2017

		Technology, Greater Noida			
45.	Optical Fibers: Potential & Application	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2017
46.	Power Generation, Transmission & Distribution	Vishveshwarya Group of Institutions	Offline	Two Weeks	2015
47.	Analog Electronics	IIT Kharagpur	Offline	Two Weeks	2013
48.	Smart Grid Engineering	IEEE Malabar Subsection and NIT Calicut	Offline	2 days	2011

VIII. Subject Taught at UG Level

1. Electrical Circuit Analysis
2. Network Theory
3. Basic Electrical Engg
4. Electromagnetic Field Theory
5. Power Station Practice

IX. Conference/Worshop Organised

1. Co-Chair of International Conference on “Energy, Economics and Environment, 1st UPCON-ICEE2015, 26-28 March, 2015.
2. Session chair of international conference on Advance Computing and Innovation Technologies in Engineering Science 4th and 5th March, 2021.
3. Organizing chair of international conference on Advance Computing and Innovation Technologies in Engineering Science 4th and 5th March, 2021.
4. Session chair of 2nd International conference on Advance Computing and Innovation Technologies in Engineering Science 28th and 29th April, 2022.

X. AREA OF SPECIALIZATION

Power System, Power Electronics and Renewable Energy

XI. COMPUTER PROFICIENCY

Multisim, Proteus, Matlab, LabVIEW

XII. PERSONAL DETAIL

Name : Rajesh Narayan Deo
 Father’s Name : Late Madan Mohan Narayan Deo
 Mother’s Name : Mrs. Sarwati Devi
 Date of Birth : 02-March-1982
 Gender : Male
 Marital Status : Married
 Residential Address : Alkapuri, Near Carmel School
 Giridih, Jharkhand-815301

XIII. REFERENCES

(i) Dr. Kalyan Chatterjee

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 Department of Electrical Engineering
 Indian Institute of Technology (ISM), Dhanbad, Jharkhand-826004
 E-mail: kalyanchatterjee@iitism.ac.in
 Mobile No. : 9431126489

(ii) Dr. Ashish Shrivastava

Professor

Skill Faculty of Engineering and Technology, Shri Vishwakarma Skill University,
Gurugram, Haryana-122003,

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Mobile No. : 9811490210

Declaration:

I hereby assure that the entries made in this resume are correct to the best of my knowledge and belief.



(Rajesh Narayan Deo)

Place: Dhanbad, Jharkhand

Date: