

## Curriculum Vitae

### Rajesh Narayan Deo

Assistant Professor  
E17, Department of Electrical Engineering  
Birsa Institute of Technology, Sindri  
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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	School/College	Board/University	Passing Year
Ph.D	Engineering	Indian Institute of Technology (ISM), Dhanbad	Indian Institute of Technology (ISM), Dhanbad	Pursuing
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: 02

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	<b>Rajesh Narayan Deo,</b> Ashish Shrivastava, Kalyan Chatterjee	Journal of Engineering Research	<a href="https://doi.org/10.36909/jer.ICMET.17199">https://doi.org/10.36909/jer.ICMET.17199</a>	06 April 2022
2.	Implementation of sliding mode backstepping controller for boost converter in real-time for LED application	<b>Rajesh Narayan Deo,</b> Ashish Shrivastava, Kalyan Chatterjee	Expert Systems (Wiley)	<a href="https://doi.org/10.1111/exsy.13095">https://doi.org/10.1111/exsy.13095</a>	05 July 2022

3.	A Highly Efficient PFC Flyback Converter for Residential Lighting with Universal Input	<b>Rajesh Narayan Deo,</b> Ashish Shrivastava, Kalyan Chatterjee	IETE Journal of research	Accepted 22-01-2023	Accepted 22-01-2023
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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, <b>Rajesh Narayan Deo,</b> 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, <b>Rajesh Narayan Deo,</b> 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, <b>Rajesh Narayan Deo,</b> 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	<b>Rajesh Narayan Deo,</b> 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 <b>Rajesh Narayan Deo</b>	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.; <b>DEO, RAJESH NARAYAN;</b> 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,	2021101737	9 June 2021

		Raviteja; koul, Sumit; A., Sabarivani; <b>Deo, Rajesh Narayan</b> and A., Ambikapathy		
3.	EMBEDDED BASED SMART GARDENING SYSTEM	S. SWEETLINE SHAMINI, MALA YADAV, <b>RAJESH NARAYAN DEO</b> , 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

V. **ADMINISTRATIVE RESPONSIBILITIES HELD/CONTINUING**

S. No.	Position held/ Responsibility	Level	Institute	From	To
1.	Dy. HOD	Department	Galgotias College of Engineering & Technology, Greater Noida	13.07.2017	28.12.2022
2.	Exam Cell Member	Institute	Galgotias College of Engineering & Technology, Greater Noida	2015	2022
3.	Established Electrical Workshop	Department	Galgotias College of Engineering & Technology, Greater Noida	2019-20	2019-20
4.	Member of Anti-ragging Flying Squad Committee	Institute	Galgotias College of Engineering & Technology, Greater Noida	2020	2022
5.	Member of Galgotias Centre for Experiential Learning, Innovation and Incubation (GCELI2)	Institute	Galgotias College of Engineering & Technology, Greater Noida	2021	2022
6.	Member of Proctorial Board	Institute	Galgotias College of Engineering & Technology, Greater Noida	2020	2021
7.	NBA coordinator of Criteria-3	Department	Galgotias College of Engineering & Technology, Greater Noida	2017	2022

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.	IoT and its Applications	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2022
2.	Advances in Electrical and Electronics Engineering	NITTTR Chandigarh, and GCET, Greater Noida	Offline	One Week	2022
3.	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
4.	Data Science- ML&AI	E&ICT Academy, IIT Kanpur	Online	One Week	2022
5.	Master Class on Electric Vehicle Design Using matlab	Pantech Solutions	Online	5 Days	2021
6.	Internship on Matlab Simulink	Pantech Solutions	Online	Four Weeks	2021
7.		Pantech Solutions	Online	5 Days	2021
8.	Safety in the Utility Industry	Coursera Platform	online	Four Weeks	2020
9.	Electric Power Systems	Coursera Platform	online	Four Weeks	2020
10.	Electric Utilities Fundamentals and Future	Coursera Platform	online	Four Weeks	2020
11.	Oracle Database Foundations	Coursera Platform	online	Two Weeks	2020
12.	COVID-19 Contact Tracing	Coursera Platform	online	One Week	2020
13.	Neural Networks and Deep Learning	Coursera Platform	online	Four Weeks	2020
14.	Excel Skills for Business Essentials	Coursera Platform	online	Four Weeks	2020
15.	Energy: The Enterprise	Coursera Platform	online	Four Weeks	2020
16.	Air Pollution-a Global Threat to our Health	Coursera Platform	online	Three Weeks	2020
17.	Renewable Energy and Green Building Entrepreneurship	Coursera Platform	online	Three Weeks	2020
18.	Introduction to Intel Distribution of OpenVINO toolkit for Computer Vision Applications	Coursera Platform	online	One Week	2020
19.	AI for Everyone	Coursera Platform	online	Four Weeks	2020
20.	Structuring Machine Learning Projects	Coursera Platform	online	Two Weeks	2020
21.	Machine Learning Using Python	Galgotias College of Engineering & Technology, Greater Noida	Offline	5 Days	2019
22.	NBA Accreditation for Quality Assurance	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2019
23.	Teaching And Learning in Engineering (TALE)	NPTEL Online Certification	Online	One Weeks	2019
24.	Microcontrollers and Embedded System	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2019

25.	Indian Electricity Rule and Code of Practices	National Institute of Technical Teachers and Research, Kolkata	Online	One Week	2019
26.	Ethics of Sustainable Technology and Environment	Galgotias College of Engineering & Technology, Greater Noida	Offline	One Week	2018
27.	Advance Application of Matlab in Engineering	GL Bajaj Institute of Technology and Management	Offline	5 days	2018
28.	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
29.	Recent Developments in Electrical Power Systems	JSS Academy of Technical Education, Noida and AKTU, Lucknow	Offline	One Week	2018
30.	Innovation and Creativity in Teaching Learning Process	GL Bajaj Institute of Technology and Management	Offline	6 days	2018
31.	Scilab Programming	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2018
32.	Matlab & Labview with its Hardware Interface	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2018
33.	Electric Power System	IIT Kharagpur	Offline	Two Weeks	2017
34.	Advances in Communication & Networking (ACN-2017)	Galgotias College of Engineering & Technology, Greater Noida	Offline	5 Days	2017
35.	Optical Fibers: Potential & Application	NITTTR Chandigarh, and GCET Greater Noida	Online	One Week	2017
36.	Power Generation, Transmission & Distribution	Vishveshwarya Group of Institutions	Offline	Two Weeks	2015
37.	Analog Electronics	IIT Kharagpur	Offline	Two Weeks	2013
38.	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, 1<sup>st</sup> UPCON-ICEE2015, 26-28 March, 2015.
2. Session chair of International conference on Advance Computing and Innovation Technologies in Engineering Science 4<sup>th</sup> and 5<sup>th</sup> March, 2021.
3. Organizing chair of International conference on Advance Computing and Innovation Technologies in Engineering Science 4<sup>th</sup> and 5<sup>th</sup> March, 2021.

4. Session chair of 2<sup>nd</sup> International conference on Advance Computing and Innovation Technologies in Engineering Science 28<sup>th</sup> and 29<sup>th</sup> 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. Sarswati 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**

Professor

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,

E-mail: rewa,ashish@gmail.com

Mobile No. : 9811490210

**Declaration:**

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

Place: Dhanbad, Jharkhand

Date:

( Rajesh Narayan Deo )