

Name **Mr. Nikhil Nathuram Kasar**

Designation Assistant Professor
Education ME (Power System) -2017

Branch / Specialization BE (Electrical Engineering) - 2014

Areas of Interest

Power System
Email Power System, LVDC microgrids, High
Mobile no Voltage Engineering
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Karanjeshwari Mandir, Gowalkot, Chiplun. Tal :
Chiplun, Dist : Ratnagiri



Academic Appointments

Name of the University / Institute/ Industry		
Finolex Academy of Management and Technology, Ratnagiri	01/04/2023 to till date	Assistant Professor
Vishwaniketan's Institute of Management Entrepreneurship and Engineering Technology (ViMEET) , Khalapur, Raigad	02/07/2018 to 30/03/2023	Assistant Professor
Finolex Academy of Management and Technology, Ratnagiri	25/01/2016 to 30/11/2017	Lecturer
Total Experience – 07 Years		

Students' projects Recently Guided at Undergraduate

1. Design of Multi-output Power Supply for Charging Purposes
2. Design and implementation of VAN DE Graff Generator
3. Design of Smart Solar Power Sharing Controller in LVDC Grids
4. Design and Implementation of Body Diagnosis Equipment for measurement and analysis of various human body parameters like BMI, Body Temperature etc,
5. Designing Prototype of Solar EV Charging Station by using MWT

Papers Published

Papers Presented/Published in National / International Journals - 04

1. [Design and Implementation of Isolated Multi-Output Flyback Converter](#), Suraj Desai, Prathamesh Bhatkar, Arjun Bhise, Krunal Todankar, NN Kasar, International Research Journal of Engineering and Technology, 2018/10, Volume 5, Issue 10
- 2.

3. Design and Implementation of Van de Graaff Generator, Prof. Nikhil Kasar Aditya Jaitu, Amish Iohar, Sumit Patil, Vaishnavi Mokal, 2020/9, International Journal of Innovative Science and Research Technology, Volume 5 Issue 9
4. INNOVATIVE APPROACH TOWARDS MEASUREMENT AND ANALYSIS OF PRIMARY HUMAN BODY PARAMETERS BY DESIGNING & IMPLEMENTING V Health Plus, Mr. Aniket Pratap Bendre Ms. Tejal Anil Dhaimbekar, Mr. Amit Maruti Ghanvat, Ms. Harshali Prabhakar Mali, Mr. Vipresh Digambar Todankar, Prof. Nikhil Nathuram Kasar, INTERNATIONAL ENGINEERING JOURNAL FOR RESEARCH & DEVELOPMENT, 2021/10/11, Volume 6
5. Vaibhav A. Sansare, Nikhil N. Kasar, Jayant J. Mane and Asha Gaikwad, "Development of Solar PV Battery Charger with Buck Converter", International Journal of Engineering Science and Research Technology. ISSN 2277-9655, June 2017

Papers Presented/Published in National/ International Conferences - 03

International Conferences – 03

1. Mr. N. N. Kasar, Mr. V. A. Sansare, Mr. J. J. Mane, "Hardware Implementation of Isolated Multioutput DC-DC power supply with fixed and programmable voltage levels", Conference Proceedings on Electrical, Electronics, Communication, Mechanical and Computer (EECCMC) Jan 2018, ISSN 978-1-5386-4303-7
2. [Design of standalone PV charging system for lead acid battery using controlled boost converter](#), Vaibhav A Sansare, Nikhil N Kasar, Asha A Gaikwad, 2017 International Conference on Current Trends in Computer, Electrical, Electronics and Communication (CTCEEC), 2017/9/8, 589-594, IEEE
3. [Design and Implementation of Isolated Multi-Output DC-DC Power Supply with Fixed and Programmable Voltage Levels](#), Nikhil N Kasar, Vaibhav A Sansare, Asha Gaikwad, 2017/9/8, 2017 International Conference on Current Trends in Computer, Electrical, Electronics and Communication (CTCEEC), IEEE, 411-416

Number of Workshops, Seminars, STTPs, FDPs, Courses, tutorials Attended –

- NPTEL Online Certification Course on ‘Design of Photovoltaic Systems’, conducted by Indian Institute of Science, Bangalore, funded by Ministry of HRD, Government of India, July-October 2017 (12-week course)
- NPTEL Online Certification Course on "Recent Advances in Transmission Insulators ", conducted by Indian Institute of Science, Bangalore, funded by Ministry of HRD, Government of India, August-September 2018 (04-week course)
- AICTE recognized Short Term Course on ‘FACTS Devices and Distributed Generation through ICT’, organized by National Institute of Technical Teachers Training and Research, Chandigarh (Ministry of Human Development, Government of India), conducted by Department of Electrical Engineering, FAMT, Ratnagiri from February 06 to 10, 2017
- 2 Day Workshop on ‘Programmable Logic Controller (PLC)’, conducted by FAMT, Ratnagiri, in association with Autotech Technologies, Mapusa-Goa, held on September 27, 28 2013
- 2 Day Workshop on ‘Energy Conservation and Auditing’, conducted by INDESCO, Mumbai held at FAMT, Ratnagiri, on January 24,25 2014

Exam Duties

1. Subject Coordinator (Examination) for High Voltage Engineering (HVE)
2. Paper Setter (Examination) for Electrical Power System II (EPS II) , High Voltage Engineering (HVE) , Protection and Switchgear Engineering (PSE) etc

Other Experience

College/Department Level Committees/Responsibilities

- **Institute Level :**

1. Programme Officer (PO), National Service Scheme (NSS) Unit
2. SPOC, NPTEL Local Chapter
3. Facilitation Centre Coordinator (Admission Counselling Team)
4. Industry Project Coordinator (SELEC Control Pvt Ltd, Thane)
5. PBL Practitioner, Project Based Learning Centre of Excellence

- **Departmental Level:**

1. Training and Placement Coordinator
2. Students Association Faculty Coordinator
3. Avishkar Research Convention Coordinator
4. Co-Convener for National Level Conference

Subjects Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience (Years)
1.	Electrical Power System - I	SE EE SEM III	02
	2. Electrical Power System - II	TE EE SEM V	03
	3. High Voltage Engineering (HVE)	BE EE SEM VII	4
	4. Electrical System Design, Management and Audit (ESDMA)	B.E. ELECT (Sem - VII)	1
	5. Fundamentals of Electrical Machines and Measurement (FOEMMS)	E. MECH (Sem - IV)	3
		TE EE SEM VI	03
6	Power System Protection and Switchgear (PSPS)		

Use of Teaching-learning methodologies

1. Project Based Learning Model implemented in Electrical and Electronic Measurements in SEM III 2018-19
2. Collaborative Teaching Learning methodologies implemented in Basic Electrical Workshop in SEM II 2022-23