

NAME : **SANNY NATVARLAL KHALAS**

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**D.E.E**(Diploma In Electrical Engineering), **B.E**(Electrical Engineering), **M.Tech**(Power System)  
**Head of the Department (HoD)- Department of Electrical Engineering, VPMP Polytechnic,**  
**Gandhinagar, Gujarat, India**

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*Seeking teaching assignments in education sector that provides me ample opportunity to explore & excel while carving out the niche for personal, professional as well as organizational goals.*

~ **HIGH PERFORMANCE LECTURER** ~

Electrical Technology | D.C Circuits | Power Station Engineering | Electrical Machines and Drives | A.C Circuits | Electrical machines maintenance & peripherals | A.C Machines | D.C Machines | Special Electrical Machines | Teaching | Effective Communication Skills | Administration | Students query Solving

**PROFESSIONAL OVERVIEW**

- ✚ A talented professional with superb teaching skills developed as a result of over 17 years of extensive experience in teaching Electrical Engineering-related subjects and concepts to polytechnic students.
- ✚ Currently associated with **VPMP Polytechnic, Gandhinagar ,Gujarat** as a HoD of Electrical Engineering.
- ✚ **Expertise in teaching subjects including A.C Machines, D.C Machines, Special Electrical Machines, Switch Gear & Protection, Electrical Circuits , Electrical Traction & Control, Electrical Wiring Estimating costing & Contracting, Electrical Machines Testing, H.V Testing, L.V Testing, Electrical maintenance.**
- ✚ Possess excellent communication and rapport with students which makes learning easier .
- ✚ Proven ability to resolve issues in the university through diplomatic approach; has excellent time management skills; can amicably coordinate with co-professors in order to develop new programs to enhance the abilities of the students.
- ✚ Strong background in planning lessons, organising extra-curricular activities and helping to transform the lives of students.
- ✚ Experience of Accreditation Process.(NBA)
- ✚ **Work as a Training and Placement Officer (TPO).**
- ✚ **Expert in Installation, Maintenance and Operation of Electrical Machine Lab.**

**QUALIFICATION**

SR. NO.	QUALIFICATION	YEAR OF PASSING	RESULT	CLASS	UNIVERSITY
1.	S.S.C	1999	80.43 %	FIRST CLASS DISTINCTION	GSEB, GUJARAT STATE
2.	DIPLOMA IN ELECTRICAL ENGINEERING	2002	76.45 %	FIRST CLASS DISTINCTION	TECHNICAL EDUCATION BOARD, GUJARAT STATE
3.	BACHALOR OF ENGINEERING	2006	70.05 %	FIRST CLASS DISTINCTION	GUJARAT UNIVERSITY
4.	MASTER OF TECHNOLOGY	2014	61 %	FIRST CLASS	RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## TECHNICAL COMPETENCIES

☞ Carried out every type of **Electrical Wiring**.

☞ Carried out every types of Electrical Testing **on Apparatus and Machines** .

- Perform Practicals of every subjects mentioned above in Lab session.
- Practicals Performance like : Direct Loading Test of all D.C Generators (Series, Shunt & Compound), Induction Motors , Transformers & Alternators.
- Blocked Rotor Test (Short Circuit) on 3 phase Induction Motor and getting **CIRCLE DIAGRAM**.
- Find Voltage Regulation of 3 phase Alternator by, 1. Direct Loading Method, 2. Synchronous Impedance Method, 3. Ampere Turns Method, 4. Zero Power Factor Method.
- Obtain "V" Curve of Synchronous Motor.
- LV and HV testing of Transformer.
- Open circuit & Short circuit tests of Transformers.
- Different Speed control methods of D.C Motors.
- Brake test of D.C Motors.
- Swinburns test of D.C motor, etc...
- All types of Electrical Testings.

## CERTIFICATIONS:

☞ Achieved Certification for Short Term Training Program on "**Recent Trends on Power System Operation, control and Protection**". [2009]

☞ Achieved Certification for One Day Seminar on, "**Managing Technical Education for Leveraging Innovation and Entrepreneurship**" [2009]

☞ Achieved Certification for Induction Training Program. [2010]

☞ Achieved Certification for Short Term Training Program on "**Special Electrical Machines**".[2010]

☞ Achieved Certification for Short Term Training Program on "**Electrical Power System Control & Protection**".[2010]

☞ Achieved Certificate Of Excellence for **duty of Teaching Assistance in two Week ISTE Workshop on Introduction to Research Methodology Conducted by IIT on Bombay**. [2012]

☞ Achieved Certification for Short Term Training Program on "**Emerging Trends in Power System Protection**". [2013]

☞ Achieved Certification for Short Term Training Program on "**Power Quality And Conditioning Equipment**". [2013]

☞ Achieved Certification for One Week Training Program on "**PCB Design, Manufacturing and Testing**". [2013]

☞ One Week Short Term Course (Virtual Mode) on **EV Charging Technology and Infrastructure Development (EVCTID-2023)**

☞ One Week Short Term Course (Virtual Mode) on **Out come based Education and Accreditation (NITTR-2024)**

☞ Five-Day Online Workshop on "**Intelligent Electric Vehicle: The future of E-mobility (IEV-2024)**"

during 15-07-2024 to 19-07-2024 Organized by Department of Electrical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad 826004.

# EMPLOYMENT HISTORY:

## 1. VPMP POLYTECHNIC, GANDHINAGAR ,GUJARAT

Feb. 2009 - Present

### Head of the Department

#### Accountabilities:

- ☑ Worked as an Observer in GTU as well as External Examiner and Exam Coordinator.
- ☑ Involved in University paper evaluation and University Paper Setter.
- ☑ Employing differentiated teaching methods, incorporating, audio and visual activities to address all learning styles.
- ☑ Providing individualized instruction to keep all students at expected skill level.
- ☑ Identifying and organizing field trips to enhance curriculum.
- ☑ Meeting with parents to discuss progress and address behaviour or mastery issues.
- ☑ Establishing discipline plans and work closely with at-risk students.
- ☑ Developing new lessons and activities to expand learning opportunities and participating in committees and extra-curricular activities.
- ☑ Contributing in administrative and managerial task.
- ☑ Worked as workshop Teaching Assistance and Represented College in Training conducted by IIT Bombay under MHRD (Ministry of Human Research and Development) which was a national level activity.
- ☑ Designated as class counsellor which involves taking care of administrative formalities for semester exams and following up for student's performance throughout the year.
- ☑ Promoted Lecturer to HOD of Electrical Engineering Department in 2022.

## 2.N.M GOPANI POLYTECHNIC COLLEGE , RANPUR, GUJARAT

March 2007 - June 2008

### Lecturer

#### Accountabilities:

- ☑ Guided the students for their projects according to update Technology.
- ☑ Involved in Students query Solving, group motivation and group discussion.
- ☑ Encouraged the students to face new challenges in projects well as motivated Students to participate in RDI activities in different roles.

## 3.T & R PVT. LTD, Ahmedabad

July 2006 - Dec 2006

### Graduate Engineer Trainee

- ☑ Low voltage and high voltage testing of Power Transformer, Distribution Transformer and all types of Transformers.(All Types of Testing).

## 4.KLG SYSTEL LTD, Ahmedabad (After diploma,before degree engineering)

Jan 2003 - Aug 2003

### Technical Supervisor

- ☑ Work of Mapping, carryout different tests for the measurement of Power, Current, Voltage etc. Of the consumer installation connected to A.E.Co's (AHMEDABAD ELECTRICITY COMPANY) Service Mains.

## PAPER PRESENTATION

- ☑ **Implementation of TCSC for enhancement of ATC**, Published in IJLTEMAS (International Journal of Latest Technology In Engineering Management and Applied Science) online Journal, Page No. 242-245, Volume 3, Issue 5, Month May, Year 2014.
- ☑ **Amended Facts Devices & HVDC Transmission in Power System**,In International Conference on Technological Innovation through Modern Engineering Science, Sponsored by Ministry of Earth Science, New Delhi at IET Alwar, Page No. 438.
- ☑ **Increase In Steady State Power Transfer Capacity Using TCSC**, In All India Seminar on Modern Trends In Power Generation and Distribution in next two decads, under the aegis of Electrical Engineering Division Board, The Institution of Engineers (India),at IET , ALWAR, Page No.107, Paper No.19

## PERSONAL DETAILS

**Date of Birth:** 8th Dec 1983 | **Languages Known:** English ,Gujarati and Hindi |  
**Address:** D-101, Utsav Corner, Behind Darshan Banglow, Near . Sona cross road , off. New C G road,  
Nigam Nagar, Chandkheda, Ahemedabad-382424, Gujarat, India

**Availability:** 3 Month