CURRICULUM VITAE

P.RAMESH

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CAREER OBJECTIVE:

Seeking a challenging environment that encourages continuous learning and creativity that provides exposure to new ideas and stimulates and professional growth. To become a member of a team which does original and creative work.

EXPERIENCE:

- ***Total Experience: 18 Years and seven months (Teaching – 16 years and 7 months; Industrial - 2 years)***

1. Working as an Assistant Professor in ACE Engineering College Since September 2020.
2. Worked as a Teaching Faculty in ACE Engineering Academy from December 2014 to August 2020.
3. Worked as an Asst. Professor in Matrusri Engg. College from July 2012 to Nov 2014.

   Responsibilities:

   - Incharge of Attendance
   - Incharge of Laboratories.

   Subjects Handled:

   - Electrical Drives and Static Control, Power Electronics, Control Systems, Electrical Circuits I & II, Electrical Circuits and Machines.
4. Worked as an Associate Professor in Nishitha College of Engineering & Technology from March 2012 to June 2012.

   Responsibilities:

   - Head of EEE Department.
5. Worked as an Associate Professor in Aurora's Seethaiah Engineering College from August 2006 to March 2012.

   Responsibilities:

   - Head of EEE Department.
   - Incharge of Examination Branch.

   Subjects Handled:

   Electrical Drives and Static Control, Electrical Machines, Electrical and Electronic Measurements, Power Electronics, Power Semiconductor Drives, Control Systems, Power Systems, Electrical Circuits, Network Theory.

6. Worked as an **ELECTRICAL ENGINEER** in TRIPORT ENERGY SYSTEMS from June 2006 to August 2006.

   Responsibilities:

   - Design of UPS.
   - Design of Panel boards.

7. Worked as a **SUB ENGINEER** at 132 KV Substation for two years.

   Responsibilities:

   - Substation Maintenance & Batteries Maintenance.
   - Controlling of Feeders from control room.

QUALIFICATION:

- **Ph.D.** (pursuing) in POWER ELECTRONICS AND POWER SYSTEMS from SRM University.
- **M. Tech** in **Power Electronics & Industrial Drives** from JNT University, Hyderabad.
- **Bachelor of Engineering** in **E.E.E** from M.V.S.R. Engineering College, Osmania University.
- **Diploma** in **E.E.E.** from Govt. Polytechnic, Nizamabad. S.B.T.E.T.
- **S.S.C** from A.P.R.S., Pochampad, Board of Secondary Education.

PAPERS PUBLISHED:

- ***International Journals:***

1. **Modelling of Emergency System in Power Station to Mitigate Blackouts,** AEIJST – April 2014 -Vol 2 Issue 4 ISSN - 2348- 6732, **P. Ramesh,** Assistant Professor, Department of Electrical & Electronics Engineering, Matrusri Engineering College, Osmania University, Hyderabad, A.P, India.
2. **Modelling of A Square-Wave-Controlled Cascaded Multilevel STATCOM by Analytical Approach,** Transactions on Engineering and Sciences ISSN: 2347-1964 Online 2347-1875 Print, Vol. 2, Issue 5, May 2014, P. Ramesh, Assistant Professor, Department of EEE, Matrusri Engineering College, Osmania University, Hyderabad.
3. **Red Tacton – Human Area Networking Technology that Uses Human as Transmission Path,** Transactions on Engineering and Sciences ISSN: 2347-1964 Online 2347-1875 Print, Vol. 2, Issue 6, June 2014, **P. Ramesh,** Assistant Professor, Dept. of EEE, Matrusri Engineering College, Osmania University, Hyderabad.

4. **Comparison of Different Multilevel Converter Strategy for Induction Motor Drive Application**, International Journal on Recent and Innovation Trends in Computing and Communication Volume: 2 Issue: 7 , ISSN: 2321-8169 1887 – 1893**, P.Ramesh**, Assistant Professor, ramurp32@gmail.com Department of Electrical & Electronics Engineering, Matrusri Engineering College, Osmania University, Hyderabad, A.P, India.
5. **Minimization Iron Losses in Transformer,** AEIJST - January 2017 - Vol 5 - Issue 01 ISSN - 2348 - 6732 ***P.Ramesh, ***MIE, MISTE.
6. **The Restoration of a Power System,** AEIJST – March 2017 - Vol 5 - Issue 03 ISSN - 2348 – 6732, ***P.Ramesh, ***MIE, MISTE.
7. **Ann Based Speed Control of Brush less DC Motor Using DC DC Converter, Design Engineering, ISSN: 0011-9342 | Year 2021, Issue: 5 | Pages: 1998 – 2011, P Ramesh,** Ph.D Scholar, Dept of EEE, SRM University, Tamilnadu, India.

PROJECT DETAILS:

PROJECT-1

Title : Modeling of Emergency Unit in Power Generation Plant

Duration : 1 Year

Guide : A. Raghuram (Assoc. Prof.)

Description : Distribution system is the part of power system consisting of different combinations of linear and non-linear loads. The widespread application of power electronics is introducing non-linear loads in the distribution system resulting in the distortion of current voltage waveforms. The objective of this project is to design the equipment which can detect the emergency system.

In order to perform the task, we need to build the system in which we need to protect the system from faults. So that we can reduce the cost of replacement of all the electrical devices.

This complete task will be implemented in the work area provided by the MATLAB/SIMULINK environment to the user.

PROJECT-2

Title : Static Excitation System

Duration : Four Months

Guide : A. Narsimha Rao (Assoc. Prof.)

Description : A static excitation system draws excitation power from the main alternator terminals, through a 3-winding step-down transformer and a rectifier system using thyristors. This rectified dc output is feedback to alternator field terminals through step down MOSFET CHOPPER circuit as excitation.

PROJECT - 3

TITLE : Auto Start to Generators

Duration : Three Months

Guide : A.K. Srikanth (Lecturer)

Description : Auto Start to Generator is useful where power supply failures are frequent. When power goes off, the supply for the circuit can be obtained from the battery that drives the starting motor. The transformer is connected to a point, which is common to both mains as well as the generators.

BOOKS AUTHORED:

- Network Analysis and Synthesis
- Basic Electrical Engineering
- Digital circuit logic and design

TECHNICAL SKILLS:

- Software : MATLAB/SIMULINK, MULTISIM
- Application Packages : MS-OFFICE

ACHIVEMENTS:

- **GATE – 12 :** Qualified
- **FET - 2011 :** Qualified
- **M. Tech (PTPG) Entrance :** 13th Rank
- **GATE – 05 :** 87.55 Percentile
- **ECET – 03 :** State 32 Rank
- **BEST MOTIVATIONAL SPEAKER AWARD**

PERSONAL TRAITS:

- Self Confidence, Positive Attitude.
- Hardworking nature and Focused approach to a particular job.
- Proven excellent analytical and problem-solving skills.
- Communicate quickly & accurately in both verbal &written form.

PERSONAL PROFILE:

Name	:	P. Ramesh
Father's Name	:	Nagarjun
Date of Birth	:	4th May 1983
Sex / Marital Status	:	Male / Married
Languages known	:	English, Hindi and Telugu
Address	:	**Permanent:**
		S/o. P. Nagarjun, H.No: 4-130, Near ZPPGHS,
		P&M: Bhiknoor, D: Nizamabad -503101.
		Present:
		H.No:2-1-22/157, Krishnaveni Colony,
		Shamsheeguda, HMT Hills, Pragathinagar Road,
		JNTU, Kukatpally, Hyderabad-500072

DECLARATION:

I hereby declare that the above written particulars are true to the best of my knowledge & belief.

Date:

Place: Hyderabad

(P. RAMESH)