

RESUME FOR FACULTY POSITION-EEE

N.SURESH B.E.,M.E.,MISTE., (Ph.D)

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CAREER OBJECTIVE

To obtain a faculty position in an innovative and developing environment where I can use my expertise for the potential growth of the self, organization and society.

EDUCATIONAL QUALIFICATION

- **X Stand.** from *Koilpillai Matric.Hr.Sec.School, Chennai*, with 82.3% marks **First Class** in 2001.
- **XII Stand.** from *Koilpillai Matric.Hr.Sec.School, Chennai*, with 90% marks **First Class** in 2003.
- **B.E. Electrical & Electronics Engineering** from *Easwari Engineering college, Chennai /Anna University* with 72% marks **First Class** in 2007.
- **M.E Control & Instrumentation** from *College of Engineering, Guindy, Chennai/Anna University* with 6.47 CGPA **First Class** in 2009.
- Pursuing **Ph.D part-time** (Registered in 2014; completed Course Work and Comprehensive Viva-voce Examination; likely to complete the research in 2023) in the field of **Power Electronics** at *Sathyabama University, Chennai*.

PROFESSIONAL EXPERIENCE

- Assistant Professor in *The New Royal College of Engineering and Technology* from **July 2009 to May 2010 (11 months)**.
- Assistant Professor in *Sathyabama University* from **June 2010 to April 2019 (8 year, 11 months)**
- Assistant Professor in *Jerusalem College of Engineering* from **July 2019 to Feb 2022 (2 years, 7 months)**
- **Total experience** as Assistant Professor: **12 years 5 months**.

PUBLICATION

Total No. of Papers published	Scopus indexed journals	Scopus indexed conferences	Other Journals/Conferences
14	06	02	02/04

Scopus Citations	Scopus h-index	Google Scholar Citations	Google Scholar h-index	Google Scholar i-10 index
32	03	80	03	03

*Please refer **Annexure** of last page for complete details of publication

PROFESSIONAL RESPONSIBILITIES

- Handled various theory subjects and lab courses.
- Guided students for their projects.
- **Set/Reviewed Question papers** for End-Semester Exams and **Evaluated** End Semester Exam answer sheets
- Served as **Internal and External Examiner** for lab courses at intra and inter-university level.
- Took charge as
 - NAAC 6th Criteria in-charge**
 - Workshop coordinator,**
 - Project coordinator,**
 - Subject coordinator,**
 - Industrial visit-in-charge,**
 - Library in-charge,**
 - File in-charge,**
 - Proctor** and
 - Class counsellor.**
- Member of
 - Discipline committee**
 - Department Exam cell,**
 - End-Semester Exam Question Paper Scrutiny Board,**
 - Internal Member of Board of Studies.**
 - Admission Team** (representing College level)
- Assisted department for conducting conferences, workshops, guest lectures, placement activities, etc

RESPONSIBILITIES AS A MEMBER OF ADMISSION TEAM

- Served as one of the members of admission team in Jerusalem College of Engineering Chennai for the academic year 2021-2022
- Handled Parents enquiry regarding admission.
- Elaborated features and facilities of the college and explained scope of each course to parents/students.
- Follow up of the parents/students who made enquiry.
- Guided students to put Anna University counselling for UG, PG and Lateral Entry students
- Specially took care of PG and Lateral Entry admission process.
- Kept track of the students who are admitted till entire process is completed

Reference: Dr.K.Sudaramoorthy Ph,D
Admission Head & HOD-IT
Jerusalem College of Engineering, Chennai

FDP / STTP / NPTEL COURSES -ATTENDED

- Effective Engineering Teaching in Practice-NPTEL
- Outcome Based Pedagogic Principles for Effective Teaching- NPTEL
- Design of Photovoltaic Systems- NPTEL
- Non-Conventional Energy Resources-NPTEL
- Working with Electrical CAD- 5 days- NITTTR
- Electric Transportation Infrastructure for E-Mobility in India- 5 days- ATAL
- Power System Analysis- 6 days -Anna University Sponsored FDTP
- Electric Mobility: Development, Integration and Design Challenges- 6 days-AICTE Sponsored STTP
- Renewable Energy Technologies, Integration to the Power Grid & E-Vehicle-5 days- Online FDP
- Integration of Renewable Energy Systems- Research Tools / Industrial Perspective-5 days- Online FDP
- Contemporary Challenges in Electrical Engineering and Aiding Technologies -5 days- Online FDP
- Recent Trends in Electrical Engineering-5 days- Online FDP
- Cutting-Edge Technologies for Electrical Engineering -5 days- Online FDP
- Research Opportunities in Electrical Engineering and its Application-5 days- Online FDP

PROFESSIONAL ASSOCIATION

- Life member –Indian Society for Technical Education-ID:LM 110393
- Member -International Association of Engineers Society of Electrical Engineering-ID:170436.
- Editorial Board Member-SSRG International Journal of Electrical and Electronics Engineering-ID:SSRG-IJEEE-1043
- Advisor/Editorial Board Member-International Journal of Application or Innovation in Engineering & Management-ID:1322

SUBJECTS HANDLED*

Digital Signal Processing	Electronic Devices and Circuits
Electromagnetic theory	Microprocessors and Microcontrollers
Control System	Measurements and Instrumentation
Advanced Control Systems	Biomedical instrumentation
Electrical Machines- I	Circuit Theory
Electrical Machines-II	Digital Logic circuits
Fuzzy Logic & ANN	Linear Integrated circuits

*Could handle any subject related to Electrical & Electronics field and enthusiastic to learn new things

SOFTWARE SKILLS

<i>Matlab</i>	<i>Labview</i>	<i>Pspice</i>	<i>Capture CIS</i>	<i>Workbench</i>	<i>Multisim</i>	<i>C</i>	<i>C++</i>	<i>Python</i>
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CO-CURRICULAR / EXTRA CURRICULAR ACTIVITIES

- Received **Merit Certificates** at school level-1997, 1998, 2000, 2001, 2002 and 2003.
- **Winner and Runner** in intra-school level cricket team-1999 and Kho-kho team-1998 respectively
- Participated in **Inter-School Exhibition Competition**-1997
- Completed **PRATHMIC and MADHYAMA** exams conducted by Dakshina Bharat Hindi Prachar Sabha, Madras-(2001-2002)
- **School topper** in 12th std-2003
- **National Service Scheme (NSS) Member** –Actively participated in 10 days NSS camp conducted in Sirunkalathur-2005
- Participated in an awareness program about “**The role of youth in society**” aired in Dawn TV-2006.
- Completed **Diploma in Unix & C**-2006.
- Undergone certificate course in **JAVA**-2007

PERSONALITY TRAITS

- Enthusiastic to **learn new things** irrespective of difficulties.
- Believe in **morality**.
- Do not follow others/system blindly and readiness to **make changes**.
- Willingness to take **responsibilities**.

HOBBY

- Updating knowledge by attending guest lectures and Ph.D viva-voce examinations.
- Creating social awareness among people through Facebook and WhatsApp
- Workout in Gym and Astrology

LANGUAGES KNOWN

<i>English</i>	<i>Tamil</i>	<i>Hindi</i>	<i>Telugu</i>
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PERSONAL DETAILS

NAME : **N.SURESH**
GENDER : **MALE**
DATE. OF. BIRTH : **22/06/1985**
RELIGION : **HINDU**
MOTHER TONGUE : **TELUGU**
MARITAL STATUS : **MARRIED**
NATIONALITY : **INDIAN**

I hereby declare that the above-mentioned details are true to my knowledge.

Thanking You,

Place: Chennai
Date: 08/01/2023

Yours truly,
N.Suresh

Annexure

List of Publications

International Journal Publications

1. **N.Suresh**, E.Balaji, K.Jeffry Anto, J.Jenith, "Raspberry Pi Based Liquid Flow Monitoring And Control", International Journal of Research in Engineering and Technology, 2014, Vol.3(7), pp 122-125. (**Google Scholar Citation- 36**)
2. **Suresh.N**, "Implementation of Wireless Data Logger to Monitor Energy in Industries", International Journal of Applied Engineering Research, 2014, Vol. 9, pp.30187-30197 (**Google Scholar Citation- 36**)
3. **Suresh.N** and Samuel Rajesh Babu.R , "Review on Harmonics and its Eliminating Strategies in Power System", Indian Journal of Science and Technology, 2015, Vol No.8, pp 1-9. (**Google Scholar Citation- 15, Scopus Citation-10**)
4. **Suresh Natarajan** and R. Samuel Rajesh Babu, "Comparison of Cascaded H-bridge Inverters for Harmonic Mitigation Considering Various Loads", International Journal of Power Electronics and Drive System, 2017, Vol. 8(1), pp.10-19 (**Google Scholar Citation- 02, Scopus Citation-02**)
5. **Suresh N** and R. Samuel Rajesh Babu, "Reduction of Total Harmonic Distortion in Cascaded H-Bridge Inverter by Pattern Search Technique" , 2017, Vol.7(6), pp. 3292~3298 (**Google Scholar Citation- 12, Scopus Citation-14**)
6. Aaron James.S, **Suresh,N**, Bestley Joe S, Amalarani.V, "Modernized Control Of Leningrad Metal Works Turbine Using Restricted Governing Mode Of Operation", International Journal Of Pharmacy & Technology, 2015, Vol.7, pp.9925-9234. (**Scopus Citation- 01**)
7. **Suresh N**, Vinithraj R, Shajithali S, "Real time Automobile Accident Exploration and Extrication System", Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2017, Vol.8(2), pp.275-279
8. **Suresh.N**, Yogesh.C, Yukesh.S, "Servo Motor Based Finger Movement Of Myoelectric Hand For Human", International Journal of Pharmacy & Technology, 2016, Vol.8(4), pp.22200-22206.

International Conference

9. James, S.A., **Suresh, N.**, Vinothkumar, C. "Distillation Column Control Using Dcs", International Conference on Control, Instrumentation, Communication and Computational Technologies (IEEE Conference), 2014, pp.1516- 1520. (**Google Scholar Citation- 02, Scopus Citation- 03**)
10. Paulselvan.T and **Suresh.N** "Industrial Monitoring and Control System using Zigbee Protocol" International Conference on Advances in Computer ,Communication & Management Symposium, 2013.
11. Bestley Joe S, Aaron James S, **Suresh N**, Aditya Harsha Kiran Chivukula, "A Novel Vulnerability Assessment and Observatory Of Tsunami Disaster Using Kalman Filter", International Conference on Control, Instrumentation, Communication and Computational Technologies (IEEE Conference) ,2015, pp 715-719

12. S.Abinaya Shree, S.Divya, M.Ranjith Kumar, **N.Suresh**, “Design Of Solar Panel Based 11-Level Inverter”. International Conference on Science, Technology, Engineering and Management”, 2020
13. Vishranthi Mohan, Shyam kumar Ganesan, Surendhar Veeramani, **Suresh Natarajan**, “Solar Powered Irrigation Pump for Smart Agriculture using IOT”. International Conference on Science, Technology, Engineering and Management”, 2020

National Conference

14. G.Raja and **N.Suresh**, “Development In Volatile Organic Compounds Gas Detection Using Pid Sensor With Controller” Proceeding of National Conference on Recent Trends in Electrical and Communication Engineering (NCRTECE '13), 2013.

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