

## Resume

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### Education

Course	University/Institute	Year of Award	Thesis
M-tech (Power System Engineering)	Ghousia College of Engineering, Bangalore, Karnataka, India	2012	Design and Development of H-Rotor Vertical Axis Wind Turbine
B.E (Electrical and Electronics Engineering)	U.B.D.T.C.E Davangere, Karnataka, India	2010	Design and Development of Hybrid Solar-Wind Energy Conversion System

### Research Studies

Title of the Ph.D thesis	University	Date of enrollment	Nature of the study	Work carried so far	Expected date of completion
Design and Optimization of wind turbine blades for low wind speed regimes	Visveshwaraya Technological University(VTU), Belgaum, Karnataka, India	23-03-2016	Part Time	Course work completed, Preliminary literature survey conducted	23-03-2020

## Experience

### • Teaching Experience

Designation	Organization	Duration	Responsibilities Undertaken
Assistant Professor, Dept. of Electrical and Electronics Engineering	SECAB Institute of Engineering and Technology, Vijayapur, Karnataka, India	22-07-2013 to till date (5.1 years)	UG Teaching, Project coordinator, Seminar/Workshop coordinator, Industrial visit coordinator, Internship Coordinator

### • Professional Positions Held

Designation	Organization	Duration	Responsibilities Undertaken
Research Coordinator	SECAB Institute of Engineering and Technology, Vijayapur, Karnataka, India	09-11-2015 to till date (2.9 years)	Conduction of Research meetings, Inviting Research experts, Coordinating preparation of Research proposals
Student Project Coordinator, SPP KSCST 40 <sup>th</sup> Series		02-01-2017 to 14-07-2017 (7 months)	Coordinated preparation and submission of student project proposals
Training Coordinator		01-02-2014 to 09-11-2015 (1.11 years)	Conduction of training on placements for students, Conduction of training on teaching for faculty

## Research Projects Carried

Title of the Project	Name of the Funding Agency	Duration
Cost effective production of carbon nano tubes & their use for development of wind turbine blades	Vision Group on Science and Technology(VGST), Government of Karnataka, India	01-12-2016 to Till Date (1.9 Years)
“Graphene based silver nano composites for effective solar absorption”	Vision Group on Science and Technology(VGST), Government of Karnataka, India	05-03-2016 to 01-07-2016 (3 Months)
Performance of H-rotor vertical axis wind turbine under low wind speed regimes and its suitability under built environment	SECAB.I.E.T, Vijayapur, Karnataka, India	02-02-2014 To 31-06-2014 (5 Months)

## Technical Publications

- **Published**

1) Suhaib Mohammed, Noorullah Shariff, Irfan N Shaikh "*Design of Automatic Bell Ringing System with User Defined Informative Display*" *International Journal of Trend in Research and Development (IJTRD)*, ISSN: 2394-9333, Volume-5 | Issue-4 , August 2018.

- **Under Consideration**

2) Suhaib Mohammed, Raghuram L Naik "*Performance of H-rotor vertical axis wind turbine under low wind speed regimes and its suitability for built environment*"

3) Suhaib Mohammed, Raghuram L Naik "*Optimization of wind turbine blades for low wind speed regimes-A Review*".

4) Suhaib Mohammed, Shiraj Ahmed "*Graphene based silver nanocomposites for effective solar absorbtion*"

5) Suhaib Mohammed, M.K.Rabinal "*Electrochemical Impedance Spectroscopy as a Tool for Water Quality Assessment*

## Subjects Taught

- **Theoretical Subjects**

1. Basic Electrical Engineering
2. Electric Circuit Analysis/ Network Analysis
3. Transformer and Induction machines
4. DC and Synchronous machines
5. Power Electronics
6. Microcontroller
7. Power system protection and control
8. Electric power generation
9. Computer techniques in power system
10. Management and Entrepreneurship

- **Laboratories Handled**

1. DC and Synchronous Machine
2. Transformer and Induction machines
3. Power system simulation

## Projects Guided

1. Design and Development of H-Rotor Vertical Axis Wind Turbine (2013).
2. Solar Powered Electronic Notice Board (2014).
3. Graphene based Silver Nano-Composites for Effective Solar Absorption (2015).
4. Electrochemical Impedance Spectroscopy as a Tool for Water Quality Assessment (2016).
5. Solar Powered Steam Electric Generation using Parabolic Trough Collectors (2017).

### ***Workshops/ Seminars Organized***

1. Coordinated the conduct of 24 “**Academic Research Colloquia**” in various departments inviting renowned scientist/professors from reputed institutes of international repute during academic years 2015-16, 2016-17, 2017-18.
2. Served as Convener for one week National workshop on “**NI Lab VIEW- A Hands on Approach**” held at SECAB.I.E.T, Vijayapura from 9th to 14th January, 2017.
3. Worked as core trainer and organized a 30 day internship on “**Electric Network of Vijayapura-A Survey**” in association with Karnataka Power Transmission Corporation Limited (KPTCL), Vijayapur from 8th July to 6th August, 2018.
4. Organized three day workshop on “**Programmable Logic Controller (PLC) and SCADA**” at SECAB.I.E.T, Vijayapura from 17<sup>th</sup> to 19<sup>th</sup> April, 2015.
5. Organized Faculty Development Program on “**Pedagogy**” at SECAB.I.E.T, Vijayapura on 20<sup>th</sup> October, 2014.

### ***Workshops/Seminars Attended***

1. Attended one day workshop on “**NAAC’s Revised Assessment and Accreditation Frame Work**” on 29th July, 2018 at SECAB Association, Vijayapura.
2. Attended two day workshop on “**Organizing Research with Reference Management Tools**” at BLDEA’s Association, Vijayapura from 25<sup>th</sup> to 26<sup>th</sup> May, 2018.
3. Attended one day State level workshop on “**Research Methodology and Skill Based Competitions**” at P.G Halakatti PG Centre, Vijayapura on 9<sup>th</sup> May, 2018.
4. Attended two day International Symposium on “**Green Technologies for Sustainable Development**” at Basaveshwar Engineering College(Autonomous), Bagalkot from 24<sup>th</sup> to 25<sup>th</sup> February, 2017.
5. Attended one week National workshop on “**NI Labview- A Hands on Approach**” held from 9th to 14th January, 2017.
6. Attended one day workshop on “**Intellectual Property Rights and Management**” at Indian Institute of Science(IISC), Bangalore on 17<sup>th</sup> February, 2016.
7. Attended one week workshop on “**Outcome Based Education**” at SECAB.I.E.T, Vijayapura from 18<sup>th</sup> to 23<sup>rd</sup> January, 2016.
8. Attended three day workshop on “**Programmable Logic Controller(PLC) and SCADA**” at SECAB.I.E.T, Vijayapura from 17<sup>th</sup> to 19<sup>th</sup> April, 2015.
9. Attended two day workshop on “**Strategic Planning for Institutional Development**” at NMIT, Bangalore under TEQUIP II from 12<sup>th</sup> to 13<sup>th</sup> May,2014

10. Attended one day workshop on “**Power System Planning**” at SECAB.I.E.T, Vijayapura on 10<sup>th</sup> October, 2013.

#### ***Membership of Learned Bodies***

1. Institute of Research Engineers and Doctors (**IRED**).
2. International Association of Engineers (**IAENG**).

#### ***Academic Distinctions***

1. Awarded as “**Good performer in the areas of Innovative Student Projects and willingness to take up any challenging responsibilities**” by SECAB.I.E.T, Vijayapura, Karnataka, India during the academic year 2013-14
2. Awarded as “**Distinguished Faculty for outstanding performance and exceptional commitment towards work**” by SECAB.I.E.T, Vijayapura, Karnataka, India during the academic year 2016-17.
3. Secured “**2<sup>nd</sup> place in speech competition at state level Adabi Mukable**” held at Al-Ameen Medical College, Bangalore, Karnataka, India during academic year 2000-2001.

#### ***Community Services***

1. Working as Site Supervisor for the construction of Indian House Hold Latrine (IHHL) of Clean India Mission from 25<sup>th</sup> May, 2017 to till date.
2. Delivered talks on Career Guidance to students of class 12<sup>th</sup> and 10<sup>th</sup> at various institutes of North India.
3. Serving as Member of NIDA-E-Tauheed Education Society, Dandeli, Karnataka.