

Academic Details of Dr.A.D.Srinivasan
Professor, Dept of Electrical and Electronic Engineering,
S J College of Engineering, Mysore

1. Theory Subjects Taught:

- Basic Electrical & Electronics Engineering
- Electrical Measurements
- Network Analysis –I
- Network Analysis - II
- Field Theory
- Electrical and Electronic Engineering materials
- High Voltage Engineering
- Non conventional Energy Systems
- DC and Synchronous machines
- HVDC transmission
- Over voltages and transients
- Applications of Electrical discharges
- Industrial drives
- Power electronics
- Energy efficiency in Electric utilities

2. Practical Labs Handled:

- Electrical Machines
- Electrical Measurements
- Basic Electronics
- Power Electronics
- Control systems
- High voltage and Relay lab

3. Theory Subjects syllabus framed:

Ph.D

- Applied electrostatics and non thermal plasma (PhD)
- Extra High Voltage power transmission (PhD)
- Advanced dielectrics and insulation engineering (PhD)

UG

- Applications of Electrical discharges (ELECTIVE)
- Over voltages and transients (ELECTIVE)
- Field Theory (CORE)

4 Student Project Guided:

Sl. No	Name of the Candidate	Title	Univ/ Year	Remarks
1	Soubhagya Aradyamath 4JC15EEM14	Performance of PSS-Effect of operating conditions	VTU/2017	<u>Degree Awarded</u> With one publication in ICCTEEC held at VVCE MYSURU, 2017
2	Akshaya Yalnaik 4JC15EEM03	Performance improvement of solar module using plane mirror & cooling system- Simulatiuon & Experimental analysis	VTU/2017	<u>Degree Awarded</u>
3	Soupayan Bose,Devaraj. M,Kalappa, Rakshith . H.R	Design and Implementation of Trigatron Assembly	VTU/2017	<u>Degree Awarded</u> The Model is being used to conduct Flasover studies on insulators in our High Voltage lab
4	Bhushith 4JC14EEM01	Solar powered unmanned areal vehicle for reconnaissance	VTU/2016	<u>Degree Awarded</u>
5	Suvi 4JC14EEM16	Lab Investigation on Impact of dust on Solar PV panel Performance-Remedial measures	VTU/2016	<u>Degree Awarded</u>
6	Sandeep J 4JC13EEM10	Feasibility study of sustainable non convention energy alternative to un electrified remote Habitation	VTU/2015	<u>Degree Awarded</u>
7	Inchara M S 4JC13EEM05	Design Simulation of energy efficient power	VTU/2015	<u>Degree Awarded</u> This project is carried out at Defence Avionics Research

		supply for travelling wave tube transmitter		establishment Bangaluru With one publication in National conference on “power system and industrial automation” held at GSSSIWT MYSURU, 2015
8	Sharath Kumar.M.D	Studies on V-I Characterstic of Thermal Power Plant ESP	VTU/2014	<u>Degree Awarded</u> With two publications 1. National Conferenc at AIT Bangaluru 2015 2 International IEEE conference at BNMIT Bangaluru 2015
*9	Prathibha Bhagavath 4JC12EEM06	Frequency measurement in Numerical Relay	VTU/2014	<u>Degree Awarded</u>
10	Bibi Tabasuma 4JC12EEM02	Design & validation of High Voltage Generation Fecility	VTU/2014	<u>Degree Awarded</u>
11	Ubaid Mohamed, Akshath Kumar Suprith. s	Simulation of Electrostatic precipitators	VTU/2013	<u>Degree Awarded</u> With one publication in Inter National conference ICESP at CPRI Bangaluru, 2013
12	Chinmay Ramachandra Bhatt, Gajanana Abyanker, Guruprasad, Mitun	Design of Hrbrid Solar-Wind Non Conventional Energy System for Domestic Application	VTU/2013	<u>Degree Awarded</u>
13	Jagadisha N	Electrc Discharge plasma Technique for pollution control	VTU/2012	<u>Degree Awarded</u> With one publication in Inter National conference IESA-IEEE IAS, Canada-2012
14	Deepthi H L 4JC11EEM06	Microcontroller Based High Voltage Pulse Source	VTU/2012	<u>Degree Awarded</u>
15	Sachin.K, Shamba kishore.K.S, Suhas.D.L, Suhas.H.M	Automated Break down Voltage Measurement Device	VTU/2012	<u>Degree Awarded</u>

16	Rahul Rathod	Design and Testing of 600W SMPS	VTU/2012	<u>Degree Awarded</u> This Project is carried out at HEXMOTO CONTROLS PVT LTD Mysuru
17	Ushas.R	Smart Control of Irrigation Pumpset	VTU/2012	<u>Degree Awarded</u>
18	Raghavendra.L	Study of power supply distortion on performance of 3 phase Induction Motor using PSCAD	VTU/2011	<u>Degree Awarded</u> With two publications 1. National Conference on RTEES at DBIT, Bengaluru, 2011 2 National conference ACES, at MSRT, Bengaluru 2011
19	Srinivasappa	Power Quality analysis in Distribution Network	VTU/2010	<u>Degree Awarded</u> This Project carried out at CPRI Bengaluru

A Student Project “Directional V/F control of induction motor using PIC micro controller” Guided by me was selected for exhibition by KSCST 29th series 2006.

5 Student Project Thesis Evaluated:

- ✓ M.Tech project titled” Performance improvement of Industrial drives using PI with additional feedbacks” dept of E AND EE, NIE, MYSURU, 2010
- ✓ M.Tech project titled” Analysis and design of active power filter to mitigate harmonic in industry” dept of E AND EE, NIE, MYSURU, 2010
- ✓ M.Phil project titled” Autonomic Computing” dept of Computer science, Periyar Institute of Distance education, Periyar University, Salem, 2007
- ✓ M.Tech project report of Abdul Khadar, tdept of E AND EE, NIE, MYSURU, 2010

6. Student recommendation and internship:

- Letter of recommendation given to Chandana for Internship at IISc Bengalru, 2018
- Letter of recommendation given to Sopayan Bose for his higher studies at Virginia Tech and Texas A and M University USA, 2017
- Letter of recommendation given to Varun Muthanna for his higher studies at Ohio State University, 2015

- Letter of recommendation given to Sachin .K for his higher studies at University of Texas, Austin and Southern California, USA, 2014
- Letter of recommendation given to Brahmesh Jain for his higher studies at ASU graduate College, USA, 2014
- Letter of recommendation given to Kiran P for his higher studies at UC Santa Barbara, IOWA State University, USA, 2013
- Letter of recommendation given to Nidhi Sharma for her higher studies at University of Illinois, Penna State Graduate School USA, 2012
- Letter of recommendation given to Krishna Manasa Rao for her higher studies at USC University of Southern California, USA, 2012
- Letter of recommendation given to Ashray Gururaj for his higher studies at Purdue University, Stanford Univ, Virginia Tech and Texas University USA, 2012
- Letter of recommendation given to Punith Kumar.S for his higher studies at University of Minnesota Graduate School, USA, 2012
- Letter of recommendation given to Abhijith Prakash for his higher studies at Illinois University USA, 2011
- Letter of recommendation given to Bhadravati Sridhar Sindhushree for her higher studies at USA.edu, USA, 2010

7 Supervision of PhD scholars:

Sl. No	Name of the Candidate	Year of Registration	Area of Research	Name of the University	Status
1	Rajgopala R	2010	Application of High voltage for Engine Exhaust Treatment	VTU	<u>Degree Awarded in 2018</u>
2	Jagadisha N	2013	Application of High voltage for control of VOC and Industrial pollutants	VTU	Comprehensive Viva Voce Completed
3	Kumara K	2014	Power System stability controllers	VTU	Comprehensive Viva Voce Completed
4	Vinay K M	2014	Lab sale Electrostatic precipitators	VTU	Course work Completed

5	Sharath Kumar	2017	High Voltage external insulators	JSS S&TU	Registration process Completed and course work under progress
6	Deepa S.N	2017	Liquid dielectric analysis	JSS S&TU	Registration process Completed and course work under progress

8. List of Short-term courses / Workshop Attended

- ◆.Workshop on “ Faculty mentors on induction program for new student”, organized by Govt Engineering College Raipur in association with National project implementation Units (NPIU) Delhi, on Sep 4th to 7th 2017 under TEQUIP- III
- ◆.Workshop on “ Pedagogy of instructional design and delivery system, TEQUIP- II Program 12th July to 17th July 2016 at S.J.C.E Mysore
- ◆Workshop on “Electrical Infrastructure for Professional Institutions and Establishments”, conducted by dept of E and EE, S.J.C.E Mysore on 20th 21st ,March 2006
- ◆Workshop on “Power System Protection –Recent Industrial practices”, Program under TEQUIP, conducted by dept of E and EE, M.S.Ramaiah Institute of Technology, Bangalore, on 19th October 2005
- ◆Attended National Seminar of Insulating Materials for the Power Industry, Organized by CPRI, Bangalore and presented my research paper “Diesel engine exhaust treatment by dielectric barrier discharge plasma, in Aug 2004.
- ◆A training Programme on “ Teaching Methodologies”, Organized by Technical Teachers Training Institute, Chennai, Govt of India, Ministry of Human Resource Development, conducted by Indian Institute of Science, Bangalore from 12th March 2004 to 14th March 2004.
- ◆An Orientation programme, ISTE-SJCE Chapter, conducted by S.J.C.E Mysore on 20th 21st ,July 2002.
- ◆A short term course on “ Advance I Bio Medical Engineering”, AICTE,ISTE Sponsered, conducted by dept of Instrumentation Technology, S.J.C.E Mysore from 18th Sep 2000 to 30th Sep 2000
- ◆.A short term course on “ Unix Operating System”, AICTE, ISTE Sponsored, conducted by dept of E and C, S.J.C.E Mysore from 4th Sep 2000 to 16th Sep 2000.

- ◆A short term course on “ Robotics for Industrial Applications”, ISTE Sponsered, conducted by dept of Mechanical Engg, MCE Hassan, from 15th March 1999 to 27th March 1999.
- ◆A short term course on “ Contributions to Technology Development from space research ”, AICTE , ISTE Sponsored, conducted by TKMV College of Engg, Kollam,Kerala,from 2nd Nov 1998 to 13th Nov 1998.
- ◆A short term course on “Operation and Maintenance of Industrial Instrumentation System “, ISTE and AICTE Sponsored, conducted by dept of Mechanical Engg, S.J.C.E Mysore from 14th Sep 1998 to 26th Sep 1998.
- ◆A short term course on “ Non Conventional Energy Sources”, ISTE Sponsored, conducted by P.E.S Colege of Engg Mandya, from 20th July 1998 to 25th July 1998.
- ◆A short term course on “ Symbolic and Fuzzy approaches for data analysis”, ISTE Sponsored, conducted by dept of computer science, S.J.C.E Mysore from 21st April 1997 to 26th April 1997
- ◆A short term course on “ Industry Institute Partnership”, AICTE and ISTE Sponsored, conducted by S.J.C.E Mysore from 30th December 1996 to 4th Jan 1997
- ◆A short term course on “ A Role of polymers in engineering applications”, ISTE Sponsored, conducted by dept of Polymer science and Technology, S.J.C.E Mysore from 15th May 1995 to 28th May 1995
- ◆A short term course on “ Maintenance Engineering”, ISTE Sponsored, conducted by dept of Mechanical Engg, S.J.C.E Mysore from 17th June 1994 to 30th June 1994
- ◆A short term course on “Artificial Neural Networks”, ISTE sponsored, conducted by dept of Computer Science, S.J.C.E Mysore from 28th June 1993 to 10th , July 1993
- ◆.Correspondence cum contact computer education program “ Programming and Programming methodology”, sponsored by dept of Electronics, Govt of India and ISTE, conducted at S.J.C.E Mysore on 23rd and 23rd, April 1989
- ◆ Workshop on Educational of Indian standards, sponsored by University of Mysore, conducted by Bureau of Indian standards, organized by S.J.C.E Mysore on 10th and 11th, Dec 1988

9.List of Short-term courses / Workshop Organized

- ◆. A one week workshop on “ **Applied Electrostatics and Non-Thermal Plasma for Environmental application and Control of Bio-Particles**” **under GIAN (Govt of India, MHRD, Initiative)** was organised in our college from Dec 21st to 25th 2017.

The course was conducted by **Prof.Akira Mizuno**, a very eminent person and senior researcher in the field of applied electrostatics and Non Thermal Plasma from Toyohashi University of Technology, Japan.

- ◆ A one week TEQIP-II sponsored Faculty Development Program on “**Sustenance of Energy and Environment- Challenges and Research Dimension**” was organised from July 25th to 30th 2016 in our college. We could able to identify eminent resource persons from IISc, CPRI, CST, KSCST, Reva University, Dr.AIT, PRDC and Philips for this program.

The program was inaugurated by Er.G.Kumar Naik IAS, Managing Director, Karnataka Power Corporation Limited, Bengaluru. Dr.G.R.Nagabhushana, Former Professor and Chairman, High Voltage Engineering, The Indian Institute of Science, Bengaluru was the key note speaker.