

Name: N. Sowjanya

Employee ID: A5EEE00T57

P.FID:

Designation: Assistant Professor

Department: EEE

Date of Birth: 13-04-1989

Father Name: Bhaskararao

Mother Name: Sarvani

Reservation Category if Any: OBC

Address: Plot no 103, Sanjeev mansion, Opp Indira Vigyanbhavan, Arasavallijunction, Srikakulam,532001

Mobile Number:9494163969

Email id: sowjanya6028@gmail.com

Date of Joining in the Institution: 01-07-2015

Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
M. Tech (Power electronics and electrical drives)	JNTU, Kakinada	FIRST Class with Distinction	July-2014
B. Tech	JNTU, Kakinada	FIRST Class	April-2010
Intermediate	Board of Intermediate	FIRST Class	April-2006
SSC	Board of Secondary Education	First class	March-2004

Total Years of Experience (Teaching/Industry): 9 Years

Period		Organization/Institution/Industry	Designation
July 2015	Till Date	AITAM, Tekkali	Assistant Professor
June 2012	June 2015	SISTAM, Srikakulam	Assistant Professor



Areas of Interest:

1. Electrical machines
2. Electrical circuits
3. Power electronics
4. Power systems
5. Non-conventional sources of energy
6. Electrical distribution system

Guidance of Academic Projects:

- i) Doctoral Projects :-
- ii) Masters Projects:2
- iii) Bachelor Projects :9

Other Responsibilities:

1. Department Exam cell In charge
2. Women's Councilor
3. Second year coordinator
4. NBA 4th criteria member

Memberships of Professional Societies and Other Organizations: - ISTE**Details of Book Publications: -NIL****Details of Publications:**

1. NagallaSowjanya,DR.D.Vijaya Kumar "Distributed Renewable Resources Constructed With Multilevel Converter Using SVM Technique" IJERIA –ISSN: 2248-9278, Vol 1, Issue 2, April2014.
2. NagallaSowjanya,M.Bhaskararao,T.LokanadhaRao,T.JaganmohanRao "Anefficient AC-DC Step Up Converter For Low Voltage Harvesting Applications" IJSDR-ISSN: 2455-2631,Volume 1,Issue 7,July2016.
3. BibhutiBhusanRath, NagallaSowjanya, M.V.V.AppalaNaidu," A PSO Based Optimal PID Controller for a Brushless DC Motor",CAEE-2018
4. B. Srinivasa Rao, N. Sowjanya, M. Bhaskararao, S. Nagaraju, "Esa Based Upqc Controller to Improve Power Quality in Microgrid System",IJEAT(SCOPUS)- ISSN: 2249 – 8958, Volume-9 Issue-2, December, 2019

Details of Conferences / Workshops / Refresher Courses Attended :-

Sl. No.	Dates	Name of The Programme	Host Institution
1	22/09/2016 to 27/09/2016	Optimization Techniques for Electrical Engineering Applications	Aditya Institute of Technology and Management, Tekkali
2	09/05/2018 to 10/05/2018	Control & Automation in Electrical Engineering	Aditya Institute of Technology and Management, Tekkali
3	09/11/2018 to 13/11/2018	Automation Tools For Engineering Applications	Andhra University, Visakhapatnam
4	13/07/2019 to 14/07/2019	Workshop on Outcome based Education	Aditya Institute of Technology and Management, Tekkali
5	27/01/2020 to 01/02/2020	LabVIEW in Engineering & Academic Research	Aditya Institute of Technology and Management, Tekkali
6	11/05/2020 to 13/05/2020	Recent Trends in Robotics and Intelligent Manufacturing	Lendi Institute of Engineering and Technology, Vizianagaram
7	18/05/2020 to 22/05/2020	Introduction to Data Science	Guntur Engineering College, Guntur
8	18/05/2020 to 22/05/2020	Cutting-Edge Technologies for Electrical Engineering	Andhra Loyola institute of Engineering and Technology, Vijayawada
9	28/05/2020 to 30/05/2020	NAAC Assessment and Accreditation :A Step by Step Process	GATES Institute of Technology, Anantapuramu.
10	01/06/2020 to 05/06/2020	Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles	Bapatla Engineering College, Bapatla
11	04/06/2020 to 06/06/2020	Power Converters for DC Micro Grid	Sri SivasubramanyaNadar college of Engineering, Kalavakkam
12	06/06/2020 to 10/06/2020	Advances in Materials for Engineering Applications	Vignan's Institute of Engineering for Women

13	08/06/2020 to 10/06/2020	Fluid and Structural Simulation using CRADLE	LakireddyBalireddy College of Engineering, Mylavaram
14	08/06/2020 to 12/06/2020	Recent Trends in Electrical Engineering	Vishnu Institute of Technology, Bhimavaram.
15	08/06/2020 to 12/06/2020	Skill development for Effective Research and Technology-Learning Process	Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam.
16	09/06/2020 to 13/06/2020	Contemporary Developments in Manufacturing process, sustainable Manufacturing and industrial Technologies	Pragati Engineering College
17	09/06/2020 to 13/06/2020	“DESIGN OF SOLAR PV SYSTEM USING PVSYS SOFTWARE”	Vaagdevi College of Engineering, Hyderabad.
18	13/06/2020 to 17/06/2020	Applications of Finite Element Analysis and Computational Dynamics using ANSYS	Government College of Engineering, Karad.
19	15/06/2020 to 19/06/2020	Research trends in Image Processing	GATES Institute of Technology, Anantapuramu.
20	15/06/2020 to 19/06/2020	Challenges and Research Opportunities in Micro grid Operation, Control and Protection.	Aditya Institute of Technology and Management, Tekkali
21	15/06/2020 to 20/06/2020	Challenges & Opportunities in Electrical Engineering - A Research Perspective	Bharat Institute of Engineering and Technology (BIET). Telangana.
22	15/06/2020 to 19/06/2020	Explore Electrical Engineering Industrial Applications	ManakulaVinayagar Institute of Technology, Puducherry.
23	17/06/2020 to 23/06/2020	Open Modelica and OPenIPSL	VKR,VBN and AGK College of Engineering
24	22/06/2020 to 26/06/2020	Recent Challenges in Power Systems	S.V. Colleg of Engineering, Tirupati
25	06/07/2020 to 11/07/2020	Nanomaterials Synthesis, Process, Characterization and its Functional Applications	Hindusthan College of Engineering and Technology, Coimbotore.
26	13/07/2020 to 18/07/2020	Research Challenges in Power Systems	CMR College of Engineering and Technology,

			Hyderabad.
27	14/07/2020 to 15/07/2020	Machine Learning with Python	Shivajirao Kadam Institute of Technology and management, Indore
28	20/07/2020 to 25/07/2020	Technological advancement in Environment friendly Materials and Processing	Katihar Engineering College, Katihar

Details of Webinar's attended:-

Sl.No.	Dates	Name of The Programme	Host Institution
1	14/05/2020	Design of Experiments using Taguchi Method	KallamHaranadhareddy Institute of Technology, Guntur.
2	16/05/2020	Design and Implementation of Remote Micro grid	Dr. N.G.P. Institute of Technology.
3	16/05/2020	Medical Drives	Rajarajeswari College ofEngineering, Bengaluru.
4	18/05/2020	Effective Methods for Reducing Fault Levels in Industrial Grid Networks	St. Martin's Engineering college, Secunderabad
5	18/05/2020 to 19/05/2020	Research Paper Writing & Intellectual Property Rights	Rajarambapu Institute of Technology, Sangli.
6	20/05/2020 to 22/05/2020	Protection and Switchgear	PSNA College of Engineering, Dindigul.
7	22/05/2020	An Overview of Iterative Learning Control	Pillai HOC College of Engineering & Technology, Rasayani.
8	23/05/2020	Evolution of Connected Industries	Narasaraopeta Engineering College
9	25/05/2020	CNC Tooling	MSM Technology Centre, Visakhapatnam.
10	26/05/2020	Silicon Carbide (SiC) Power Devices for Renewable Energy System.	SwarnandhraColleg of Engineering and Technology, Narasapur.
11	01/06/2020 to 02/06/2020	Grid Connected and Standalone	Institute of Aeronautical Engineering, Hyderabad.

		PV Solar Plant Design using PVSyst	
12	06/06/2020	AI for All	Symbiosis Institute of Technology
13	08/06/2020	Recent Advances in AI, ML & Robotics from Macro to Nano Stage	SJB Institute of Technology, Bengaluru.
14	08/06/2020	Lean Six Sigma	St. Joseph's Institute of Technology, Chennai.
15	11/06/2020	Role of Marketing in times of Pandemic	Mc Graw Hill
16	11/06/2020	Smart Grid in Distribution Systems	Cambridge Institute of Technology
17	17/06/2020	Electrical Switchgear and its Application	LokmanyaTilak College of Engineering
18	18/06/2020	Future of Education Post Covid	Mc Graw Hill
19	30/06/2020	Effects of Pandemic on Technical Education	SJB Institute of Technology, Bengaluru.
20	30/06/2020	New Insights on the Diesel Engine-Exhaust Gas Treatment	St. Joseph's Institute of Technology, Chennai.
21	11/06/2020	Data Science for Organizational Performance	OPJU IEEE TECH WEB Series
22	12/07/2020	An IOT Platform for Building Energy Efficiency Applications	St. Joseph's Institute of Technology, Chennai.
23	14/07/2020	Women Empowerment: Engaging in Research on Emerging Technologies	St. Joseph's Institute of Technology, Chennai.
24	21/07/2020	Wellness	Smt. SurajdeviRamchandMohataMahilaM aavidyalaya, Khamgaon
25	22/07/2020	Robotics-Connecting Engineering	Mc Graw Hill

		Minds	
26	24/07/2020	Women Achievers: How to become one?	St. Joseph's Institute of Technology, Chennai.
27	27/07/2020	Impact of COVID-19 on the Development of Rural-Economy- Challenges and Opportunities	Lead INDIA, JNTUA Ananthapuramu
28	09/08/2020	Preparation of Quality Journals Papers and Book Chapters	Aditya Institute of technology and Management, Tekkali

Certifications:

Sl. No.	Dates	Name of The Course	Host Institution
1	29/04/2020	Control of Mobile Robots	Georgia Institute of Technology.
2	01/05/2020	Natural Gas	The State University of New York.
3	29/04/2020	AI For Everyone	Deep learning. AI
4	02/05/2020	Safety in the Utility Industry	The State University of New York.
5	03/05/2020	Advanced Manufacturing Process Analysis	The State University of New York.
6	03/05/2020	Digital Manufacturing & Design.	The State University of New York.
7	04/05/2020	Materials Science: 10 Things Every Engineer Should Know	UC DAVIS
8	12/05/2020	Electric Vehicles and Mobility	Ecole Des Ponts, Paris.Tech
9	05/05/2020	Cyber Security in Manufacturing	The State University of New York.
10	05/05/2020	Six Sigma Tools for Define and Measure	Kennesaw State University.
11	06/05/2020	Intelligent Machining	The State University of New York.
12	06/05/2020	Electric Utilities Fundamentals and Future	University of Colorado.
13	07/05/2020	Collaborative Robot Safety: Design & Deployment	The State University of New York.
14	07/05/2020	Digital Thread: Components	The State University of New York.

15	08/05/2020	Advanced Manufacturing Enterprise	The State University of New York.
16	09/05/2020	Work Smarter, Not Harder: Time Management for Personal & Professional Productivity.	UCI Division of Continuing Education.
17	08/05/2020	Project Management: The Basics for Success	UCI Division of Continuing Education.
18	09/05/2020	Six Sigma Principles	Kennesaw State University.
19	09/05/2020	Six Sigma and the Organization (Advanced)	Kennesaw State University.
20	07/05/2020	Digital Thread: Implementation	The State University of New York.
21	11/05/2020	Communication in the 21st Century Workplace	UCI Division of Continuing Education
22	12/05/2020	The Art of Negotiation	UCI Division of Continuing Education
23	12/05/2020	High-Impact Business Writing.	UCI Division of Continuing Education
24	11/05/2020	Effective Problem-Solving and Decision-Making	UCI Division of Continuing Education
25	11/05/2020	Fundamentals of Management	UCI Division of Continuing Education
26	11/05/2020	Essentials of Entrepreneurship: Thinking & Action	UCI Division of Continuing Education
27	12/05/2020	Roadmap to Success in Digital Manufacturing & Design.	The State University of New York.
28	11/05/2020	Initiating and Planning Projects	UCI Division of Continuing Education
29	12/05/2020	Finance for Non-Financial Professionals	UCI Division of Continuing Education
30	13/05/2020	Digital Manufacturing & Design Technology (9 Courses)	University of Buffalo.
31	13/05/2020	Electrodynamics: Electric and Magnetic Fields	KAIST
32	13/05/2020	MBSE: Model-Based Systems Engineering	The State University of New York.
33	11/05/2020	Managing Project Risks and Changes	UCI Division of Continuing Education
34	14/05/2020	Financial Technology (Fintech) Innovations	University of Michigan.
35	14/05/2020	Innovations in Investment Technology: Artificial Intelligence.	University of Michigan.
36	14/05/2020	The Future of Payment Technologies.	University of Michigan.

37	14/05/2020	Blockchain and Cryptocurrency Explained	University of Michigan.
38	14/05/2020	Raising Capital: Credit Tech, Coin Offerings, and Crowdfunding	University of Michigan.
39	14/05/2020	Autodesk Fusion 360 Integrated CAD/CAM/CAE	Autodesk
40	14/05/2020	Intro to Digital Manufacturing with Autodesk Fusion 360.	Autodesk
41	15/05/2020	Budgeting and Scheduling Projects	UCI Division of Continuing Education
42	26/05/2020	Introduction to Thermodynamics: Transferring Energy from Here to There	University of Michigan.

NPTEL FDP's attended:

SL.NO.	Dates	Name of the programme	Host Institution
1	July to October	Non-conventional energy resources	IIT MADRAS
2	February to April 2019	Introduction to Research	IIT MADRAS
3	August to October 2019	Accreditation and Outcome Based Learning	IIT MADRAS

NPTEL Courses:

1. Power System engineering
2. Nonconventional energy resources
3. Accreditation and Outcome Based Learning
4. Introduction to Research

Other Achievements:

1. Ratified as Asst. Professor in 2018 in JNTUK selections.
2. Question paper setter for different autonomous colleges.

N. Saanjanya
Signature