


Sri Sairam Engineering College

Department of Electrical and Electronics Engineering

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| 1. Name : Dr. Saswati kumari Behera |  |
| 2. Designation: | Associate Professor |
| 3. Qualification : | Ph.D |
| 4. Area of Specialization : | Power system Engineering |
| 5. Experience : | Teaching : UG : -17year PG :1 year Industry :Nil |
| 6. Publication : | 12 Journal National :Nil International :5 Conference National : 1 International :6 |
| 8. General : | * ISO CO-ORDINATOR *TALENT ENABLER *NBA Cordinator(criteria-5) *Convenor of National Level Technical Symposium"FUERZA'12" |

EXPERIENCE:

| Name of the Employer | Position Held | From | To |
|--|---------------------|----------------------------|-----------------------------|
| UCE Burla ,Odisha | Lecturer | 2004 july | 4 FEB 2006 |
| Silicon Institute Of Technology, Bhubaneswar | Sr Lecturer | 6 FEB 2006 | 31 st March 2010 |
| Sri Sai Ram Engineering College, chennai | Sr Lecturer | 1 JUNE 2010 | 10 th June 2018 |
| Sri Sai Ram Engineering College, chennai | Associate Professor | 11 th June 2018 | Till Date |

RESEARCH PUBLICATIONS:

2022-2023

- Saswati Kumari Behera, G. Prashanth, “**Autonomous Logistic Transportation System for Smart Healthcare System**” Application of Deep Learning Methods in Healthcare and Medical Science, 25 December 2022 Taylor & Francis Group.,<https://doi.org/10.1201/9781003303855>
- Saswati Kumari Behera , Navin S.K , NEMO-SOS- A Future Trends in Smart Accident Alert Application, international conference on power, Energy, control and transmission system, 08-09 December 2022, Chennai ,<https://doi.org/10.1109/ICPECTS56089.2022.10047341>
- **Saswati Kumari Behera** , Sai sudha G, Vasundhara L , “**SmartWear - An Integrated Watch for Patients**” 08-09 December 2022, Chennai ,International Conference on Power, Energy, Control and Transmission Systems (ICPECTS) <http://dx.doi.org/10.1109/ICPECTS56089.2022.10047278>

2021-2022

1. “Aqua BOT- IOT Based water bodies cleaning , and monitoring BOT” , International conference on Artificial intelligence and Smart system ICAIS 2022, JCT College of engineering and Technology , Coimbatore, India, 23-25th Feb 2022
2. Saswati kumrari behera “Automatic Traffic Light Management System For Pedestrian Crossing”, “National Conference on Advances in Electrical and Electronics Engineering” (NCAEEE-2022) organized by the Department of Electrical and Electronics Engineering, Sri Venkateswara College of Engineering, on 27th and 28th May 2022

2020-2021

1. **Saswati Kumari Behera**, Porselvi T ,Sudharsanam V, Raj Kamal M, Venkatasubramani K, “A SMART & AUTONOMOUS WIRELESS MONITORING SYSTEM FOR METICULOUSNESS AGRICULTURE USING IOT”, PalArch’s journal of Archaeology of Egypt / Egyptology , PJAEE, 17 (6) (2020)
2. **Saswati kumari behera**, “AI BASED WASTE CLASSIFIER WITH THERMO-RAPID COMPOSTING “,**IEEE Xplore** , **SCOPUS** 09 February 2021 , <https://doi.org/10.1109/ICPECTS49113.2020.9337012>
3. **Dr. Saswati Kumari Behera**, Hariharan P , Harikrishnan M , Yathindra Kumar R, “REMOTE HEALTH MONITORING USING IOT” , **AICTE Sponsored International E-conference** on Smart Technologies In electric vehicles and Power grids STEP-2021 ,27th to 29th January 2021

2019-2020

1. **Saswati kumari behera**, Manish kumar gupta , “Implementation of IOT for energy management” , Test Engineering and Management,**SCOPUS** ,Dec-2019, November-December 2019 ISSN: 0193-4120 Page.4856 – 48605
2. **Saswati Kumari Behera**, Rajarathinam u and Jashwant a ,” Use Of INA219 Sensor For Locating Ground Fault, “ International Journal Of Research And Analytical Reviews (IJRAR)” **UGC approved** July-2019 Volume 6, Issue 3 , E-ISSN 2348-1269, P- ISSN 2349-5138
3. **Saswati Kumari Behera**, Suganya.S, S.Priyadarsini , “Intelligent Energy Management System Using IOT , “ **International Journal** of Recent Technology and Engineering (IJRTE) “ ISSN: 2277-3878, Volume-8 Issue-352, October 2019

2016-2017

1. **Saswati kumari behera**, Nalin kant mohanty A FIS-GA combined approach for transmission congestion management in restructured power system Int. J. Mathematical Modelling and Numerical Optimisation, Vol. 7, Nos. 3/4, 2016, **SCOPUS**, pg 307-32

2. **Saswati kumari behera** , “Deaf Dumb voice analysis using vibration technology”-
International conference on current trends in engineering research-new delhi-1-05-2016

2015-2016

1. **Saswati Kumari Behera** , Nalin Kant Mohanty , “A FIS approach for transmission line congestion management in restructured power System -Second **International conference** on intelligent computing , communication & convergence ICC2016, Bhubaneswar, odisha, 24th , 25th January-2016

2006-2007

1. Short circuit fault analysis of distribution transformer using , STFT. (National conference of soft computing, 2006)

Patents: (Published)

- TITLE OF INVENTION: INTELLIGENT WASTE CLASSIFYING BIN FOR ECO-FRIENDLY BIO COMPOSTING

APPLICATION NUMBER: 202141030061

DATE OF FILING : 05/07/2021

PUBLICATION DATE 16/07/2021

- TITLE OF INVENTION: AN INTELLIGENT SMART STREET LIGHT SYSTEM WITH SAFETY TECHNOLOGY AND ENVIRONMENT MONITORING

APPLICATION NUMBER- 202041047228

DATE OF FILING- 29/10/2020

PUBLICATION DATE (U/S 11A)- 06/11/2020

Faculty Development Program attended:

- FDP on "Electric Vehicle Drive System" held from 27-02-2023 to 04-03-2023 at Jerusalem College Of Engineering, Chennai.
- Executive Leadership Training program on Building High Performance Team held from 14-12-2022 to 16-12-2022 at Sri Sairam Engineering College, Chennai

- FDP on "NO CODE AND LOW CODE MACHINE LEARNING TECHNIQUES" held from 19-12-2022 to 23-12-2022 at Sri Sairam Engineering College, Chennai.
- Quality Management System and Audit training ISO 19011:2018 ,17th October 2022 to 20th October 2022
- Quality Management System and Audit training ISO 21001:2018 , 17th October 2022 to 20th October 2022
- 5-day online FDP on the the theme “ Product Design Engineering using Fusion 360 conducted by **ICT Academy** on 01 Aug 2022 to 05 Aug 2022 at Sri Sairam Engineering College, Chennai
- 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by **All India Council for Technical Education(AICTE)** from 12 July, 2021 to 16 July, 2021.
- FDP on "AI Solution for Optimum Utilization of Power and Energy" from 2021-7-5 to 2021-7-9 at NIT Srinagar, AICTE Training And Learning (**ATAL**) Academy
- 2 Weeks Faculty Development Program (FDP) sponsored by Department of Science and Technology (**DST**) conducted by IITM HTIC MedTech Incubator virtually from 08-03-2021 to 20-03-2021
- Energy Engineering" from 2020-9-17 to 2020-9-21 at VELAMMAL ENGINEERING COLLEGE. AICTE Training And Learning (**ATAL**) Academy Online FDP
- Ethics, Moral Values,Behavioral Science & Attitude" from 2020-10-12 to 2020-10-16 at College of Engineering Trivandrum. AICTE Training And Learning (**ATAL**) Academy Online FDP
- Modelling,simulation,control and applications of power electronics converters” from 25th to 29th November 2019 at QIS college of engineering and technology A.P
- Faculty development programme on Applications of FACTS in Power electronics & Power system conducted by Sri Sai ram Engineering college on 27th Feb-2013
- Faculty development programme on “**Mat lab application in Electrical Engineering**”- conducted by Sri Sai ram Engineering college March7 ,2012
- Faculty development programme on “**Power Flow solutions & Demo on CYME power engineering software**”- conducted by Sri Sai ram Engineering college 27th January 2011

NPTEL On line course

- “Accreditation For Undergraduate Engineering Programmes”- NPTEL Online certification course- Three credit course- January to March 2021
- “Effective Engineering teaching in Practice”-NPTEL Online certification course – Feb-March 2018 (4 week course)

Coursera certification courses

- Wind Energy
- Understanding Plants - Part I: What a Plant Knows
- Solar Energy Basics
- Driving business towards the Sustainable Development Goals
- Electric Power Systems
- Natural Gas
- Introduction to Google Docs
- Energy: The Enterprise
- AI For Everyone
- Energy, Environment, and Everyday Life

Training Program attended

- Six days of Faculty Industrial training program at I.P.L Product ,Sidco Industrial Estate, Thirumudivakkam, from 06/06/2022 to 11/06/2022
- Quality Management System and Audit training ISO 9001:2015 ,8th june 2018
- Quality Management System and Audit training ISO 9001:2008 ,11th & 12th October 2011

Workshop Attended

- International workshop on computational intelligence in engineering applications organised by department of EEE SRM University, Chennai .December 20.2013.
- Workshop on “ High Impact Presentation skill” conducted by Wipro at KIIT Bhubaneswar,2006

Short term course attended:

- Short term course on “**Modern Trend in Power Electronics and Drives**” from June 19 to July-1 2006. conducted by University college of Engineering Burla”
- AICTE Sponsored Short Term Training Programme (STTP) on “**Electric Vehicle Evolution - Impact on Power Grid**” Organised by Department of Electrical and Electronics Engineering, Sri Venkateswara College of Engineering during **March 22nd - 27th , 2021**
- AICTE Sponsored six days Short Term Training Programme (STTP) on “**Artificial Intelligence and deep learning techniques**” from 01-02-2021 to 6-02-2021 organised by B.S. Abdur Rahman crescent institute of science and technology, Chennai

Award & Achievements

- Received **Best Senior Faculty award** from DK International Research Foundation (**DKIRF-2018**) on 27th May 2018 at DS hotel ,Perambalur.
- Received “**Adarsh Vidya Saraswati rashtriya Puraskar** “ April 2019
- Nominated as a member of “**Editorial board**” in “Glacier Journal Of Scientific Research”
- Appointed as the **reviewer** of “American Journal of Electrical Power and Energy Systems”.
- Received “**Best Teaching Faculty-2019**” From Dr Kalam Educational Trust on 15th October -2019 at M.A.M School Of Engineering ,Trichy On the occasion of 87th Birth Anniversary celebration of **Dr. A.P.J Abdul Kalam**

Achievement-Producing continuously 100% result in Anna University

- 2012- Protection and switchgear
- 2013-high voltage engineering
- 2015-power quality & power system operation and control
- 2016-power system operation and control
- 2017-high voltage engineering and power system operation and control
- 2018- power system operation and control
- 2022- protection and switchgear

Additional Responsibility

- ISO Coordinator
- Talent Enabler
- NBA Criteria 5 head (department)

Appreciation Received

- Evaluator INSPIRE Awards MANAK competition-2022
- Evaluator in SMART INDIA HACKATHON - 2022
- Evaluator in Toycathon -2021
- Instructor- AICTE Cisco Internship
- Mentor-NITTTR Chennai
- Top Mentor- ATAL_

Invited Talk

- Siksha 'O' Anusandhan ,Bhubaneswar ,Odisha , India,10th September ,2022 on “ Congestion Management & Social Welfare maximization in Restructured power system”
- Sri Sairam Engineering College, AIDS DEPT ,”Awareness about ONLINE courses” , 15th September, 2022,