


<b>Name :ALWIN VINIFRED.C</b>				
<b>Designation:</b>	Associate Professor			
<b>Qualification :</b>	M.E.(Ph.D)			
<b>Area of Specialization:</b>	Applied Electronics			
<b>Experience : (As on MAY-2022)</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>	
	1 Year		18 Years	
<b>No. of workshop/FDP attended :</b>	No. of workshops attended		No. of FDP attended	
	9		7	
<b>Publication :</b>	<b>Journal</b>		<b>Conference</b>	
	International	National	International	National
	2	2	4	3
<b>Professional Membership:</b>	1. ISTE – Life Member 2. IEEE-Member			
<b>Patents:</b>	-			
<b>Staff Achievements:</b>	<ul style="list-style-type: none"> <li>➤ Received certificate of mentors from AIM,NITI Aayog,India for the most popular mentor in ATL Tinkerpreneur 2022.</li> <li>➤ Received certificate of mentors from AIM,NITI Aayog,India for the most popular mentor in ATL Tinkerpreneur 2021.</li> </ul>			

**Publications:****International Journals:**

1. Alwin Vinifred C,Ramesh R “Fast Synchronization of Distributed Generators with Power Grid under Transient Conditions using Hybrid Optimization Algorithm”,Optimal Control Application Methods. 2020,vol:42,pp:700-716.
2. Alwin Vinifred Christopher, Ramesh Rengaswamy ,“Grid Variables Synchronization Using Optimization Algorithm for Distributed generation System under Grid Fault Conditions”,IJRTE, ISSN: 2277-3878,Volume-8 Issue-5,Jan-2020,pp:2658-2665.

**National Journals:**

1. Alwin Vinifred Christopher “Power Quality Improvement and Energy Management of Grid Integrated Distributed Generators” JETIR,Volume 5, Issue 5 May 2018.pp287-293 ISSN: 2349-5162.
2. Alwin Vinifred Christopher,Sibiah Rex,Anish Kumar.“Smart grid challenges and signal processing based solutions -A Literature survey” IJETT, Volume 37 Number 4 July 2016.pp:189-196.

**International Conferences:**

1. Alwin Vinifred C,Abishek Anand A S,Charankumar V,Vijay N, “Event Data Recorder And Transmitter For Vehicular Mishap Analysis Based on Sensordrone” IEEE -2022 International Conference on Communication, Computing and Internet of Things (IC3IoT-2022), March-2022, India.
2. Alwin Vinifred C,Anupriya E, Fahima Sheerin M, Priya K,”Real time data transmission in underwater using LI-FI” 2021-International Conference on current research in Engineering and Technology (ICCRET-2021),May-2021, Chirala,Andhra Pradesh,India.
3. Alwin Vinifred C,Akshayaa Rajeshwari D, Rathna Sastika V A R, Madhumitha,”Smart waste management using IoT”2021-International Conference on current research in Engineering and Technology(ICCRET-2021),May-2021,Chirala,Andhra Pradesh,India.
4. Alwin Vinifred Christopher,Guhesh Swaminathan, Maheedar Subramanian, PravinThangaraj "Distribution line monitoring system for the detection of power theft using power line communication"2014 IEEE Conference on Energy Conversion,(CENCON)13-14 OCT2014,Johor Bahru, Malaysia.

**National Conferences:**

1. Alwin Vinifred C,J. Win Joshua, “Design and Implementation of FPGA Based Virus Detection Processor Against Network Security”2013-NCREACT’13,RRASE College of Engineering, Chennai.
2. Alwin Vinifred C,”Design and Implementation of FPGA Based Active power filter for Harmonic and reactive power current”,2012-Recent Advances in Engineering and Technology(RAET’12), Sri Muthukumaran Institute of Technology, Chennai.
3. Alwin Vinifred C,K.Bommanna Raja,”VLSI Implementation Of NN Based Buffer Management System For IP Over ATM”,2005-Recent Advances in Industrial Networking(RAIN’05) Nooral Islam College of Engineering, Kumarakoil,India.

**Faculty Development Training Programme & Workshops:**

- Five Days Train the Trainer program on Powering IoT using ARDUINO/RASPBERRY PI sponsored by

Govt. Of Tamilnadu during 19.09.22 to 23.09.22 at Madras Institute of Technology ,Chennai

- 12 Weeks NPTEL-AICTE Sponsored FDP on Introduction to Internet of Things during Jul-Oct-2022.
- Three days FDP on SoC Design Methodologies using INTEL FPGAs at St Joseph's Institute of Technology during 20.07.22 to 22.07.22.
- Six days AICTE sponsored STTP on Applied Mathematics & Scientific Computation for Engineering Approach in S.A Engineering College during 04.11.19 to 09.11.2019
- One day Workshop on Arduino Organized by the Teachers Learning Centre,ICT at IIT Bombay on 08.02.2020.
- Two days Workshop on "Opportunities and Challenges in Integrating Renewable Energy with smart grid" organized by VIT University, Chennai during 16-17 March 2018.
- Five days FDP on "Electrical Simulation Software" at Sri Sairam Engineering College, Chennai During 06.11.17 to 10.11.17.
- Three days FDP on "Power System Design and Analysis" conducted by DELLSOFT Technologies Pvt Ltd during 23.05.16 to 25.05.16
- One day Workshop on "Research Challenges in Harnessing solar Energy and its Grid Integration" organized by VIT University,Chennai on 31.03.2014
- One day Workshop on "Design of Electrical Machines using FEA package (Motor Solve)" organized by VIT University,Chennai on 20.02.2014
- One day FDP on MATLAB APPLICATIONS IN ELECTRICAL ENGINEERING at Sri Sairam Engineering College,Chennai.
- One day FDP on Power Flow Solutions & Demo on CYME Power Engineering Solutions at Sri Sairam Engineering College,Chennai.
- One day Workshop on "Research Methodologies and issues in power Quality" conducted by Easwari Engineering College,Chennai on 21.11.2012.
- Two days Workshop on Technical Teachers Quality Improvement conducted by consortium of self – financing professional colleges in tamilnadu held at Sathyabama University, Chennai.
- One day Workshop on "Application of Neural Networks and Fuzzy Logic in product development" conducted by Jayamatha Engineering College.
- AICTE sponsored FDP on "Wireless Networks" during 18 June -01 July 2006 at Bannari Amman Institute of Technology,Sathiyamangalam

#### **Online Certification:**

- Successfully completed "**ELITE WITH SILVER**" grade on "**Introduction to Internet of Things**" conducted by IIT Kharagpur during Jul-Oct 2022.
- Successfully completed with "**ELITE**" grade in "**Microprocessor and Interfacing**" conducted by IIT Guwahati during Jan-Apr 2021.
- Successfully completed with "**ELITE**" grade in "**Discrete Time Signal Processing**" conducted by IIT Kharagpur during Aug-Sep 2018.