

BIODATA FORM

1. NAME OF THE FACULTY: P. SATHISH KUMAR

2. DATE OF BIRTH :26-05-1985

3. MOBILE NUMBERS: 9398201069, 9963827286



4. QUALIFICATIONS:

| EXAMINATION PASSED | SECIALIZATION | YEAR | UNIVERSITY/INSTITUTION |
|--------------------|----------------|-----------|------------------------|
| Ph.D. | PLC, SCADA&IOT | PURSUIING | SVU |
| M. Tech | PSOC | 2012 | SVU |
| B. Tech | EEE | 2008 | N.B.K.R.I.S.T |

5. Ph.D. TOPIC : MODELLING OF SMART KITCHEN USING PLC, SCADA&IOT

6. RESEARCH PUBLICATIONS:

1. **“DESIGN OF 31 LEVEL INVERTER USING EQUAL AREA CRITERIA SWITCHING TECHNIQUE INTERFACE WITH STANDALONE PHOTO VOLTAIC SYSTEM”** had been published in IJRASET journal volume 5, issue IX published in the year September -2017
2. **“DESIGN AND OPERATION OF SOLID-STATE TRANSFORMER IN POWER DISTRIBUTION SYSTEM”** had been published in IJR journal volume 7, issue IX published in the year September -2018
3. **“A SINGLE-PHASE TRANSFORMER LESS SYMMETRICAL Z-SOURCE HERIC INVERTER WITH REDUCED LEAKAGE CURRENTS BY USING FUZZY LOGIC CONTROLLER FOR PV SYSTEMS”** had been published in IJR journal volume 8, issue VI published in the year June -2019
4. **“ANALYSIS OF CUCK CONVERTER FOR POWER QUALITY IMPROVEMENT USING FUZZY LOGIC CONTROLLER”** had been published in IJAEMA journal volume XII, issue XI published in the year November -2020
5. **“7 LEVEL MULTI LEVEL INVERTER”** has been published in JIACS journal volume 12, issue 1
Published in the year November -2022
6. **SCHOOL ASSET MAPPING USING HYPERSPECTRAL ANALYSIS AND DEEP LEARNING: A REVIEW FOR STEM EDUCATION** has been published in SCOPUS Published in the year JULY-2025
7. **A SOCIO TECHNICAL APPROACH TO SCHOOL INFRASTRUCTURE MANAGEMENT USING DEEP LEARNING BASED ASSET MAPPING AND CATCHMENT ANALYSIS IN TIRUPATI DISTRICT** has been published in SCI publications in the year JAN-2026

7. PATENTS PUBLISHED:

1. “ARTIFICIAL INTELLEGENCE AND FUZZY NEURAL NETWORKS FOR THE IDENTIFICATION OF ABNORMALITIES IN LARGE SCALE CYBER-ATTACKS” published
On 17-02-2023

2. “AN INTEGRATED DRIVE SYSTEM FOR ELECTRIC VEHICLES WITH ENHANCED EFFICIENCY AND PERFORMANCE” published on 02-08-2024

3. QUANTUM-INSPIRED ALGORITHMIC ENGINE FOR ACCELERATED PROBLEM SOLVING IN LARGE-SCALE COMPUTATION SYSTEMS published on 15-02-2026

8. E-CONTENT: Developed E-content on **Control Systems Subject & Network Analysis Subject** and
Uploaded on YOUTUBE

9. WORKSHOPS/FDP’S/WEBINAR’S/STTP’S:

1. Participated in Two Week workshop on “INTRODUCTION TO RESEARCH METHODOLOGIES”
conducted by IIT Bombay From 25th June to 04th July, 2012

2. Attended 6 days STTP program on “RECENT TRENDS IN ELECTRICAL ENGINEERING AND TEACHING PEDAGOGY” From 26/06/2024 to 29/06/2024

3. Participated in FDP on “NAAC REVISED ACCREDITATION FRAMEWORK”
from September 14th – 19th 2020

4. Participated in One day National Level Webinar on “POWER ELECTRONICS FOR RENEWABLE ENERGY APPLICATIONS” on 19th June 2021

5. Participated in a Webinar on “HOW TO IMPROVE TEACHING SKILLS” on 24th June 2020

6. Participated in One day International Level Webinar on “RECENT ADVANCES IN MATERIAL SCIENCE AND ENGINEERING” on 23rd and 24th September 2021

7. Participated in STTP on RECENT TRENDS IN ELECTRICAL ENGINEERING AND TEACHING PADAGOGY conducted from 24/06/2024 to 29/06/2024

TEACHING EXPERIENCE :

| NAME OF THE POST | NAME OF THE INSTITUTION | PERIOD WITH DATES | TOTAL TEACHING EXPERIENCE | | |
|---|---|--------------------------------|---------------------------|-----------|-----------|
| | | | DD | MM | YY |
| Academic Consultant | N.B.K.R.I.S.T | 22-09-2008 To 08-07-2009 | 16 | 09 | 0 |
| Assistant Professor | K.M.M.I.T.S | 01-07-2011 To 22-04-2013 | 21 | 09 | 1 |
| Assistant Professor | ST. PETER'S ENGINEERING COLLEGE | 26-06-2013 To 10-04-2017 | 15 | 11 | 3 |
| Assistant Professor | SRI PADMAVATI MAHILA VISVAIDYALAYAM | 21-06-2017 To 07-04-2026 | 24 | 1 | 8 |
| Total length of teaching experience up to 07-04-2026: | | | 03 | 09 | 14 |
| Total length of teaching experience in SPMVV up to 01-05-2023: | | | 24 | 1 | 8 |

Signature