Faculty Profile



GAUTHAMAN B , B.Tech., M.E
Assistant Professor, CSE (OG)

HIGHLIGHTS:

- Number of Journal Publications:1
- H-Index: NIL
- Project Funding Received: NA
- Patents Published:14
- Patents Granted: 0

PROFESSIONAL LINKS:

- Scopus ID: 60688302700
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=60688302700
- Google Scholar ID:NA
- Anna University Faculty ID: 2694471982
- AICTE Faculty ID: 1-43396582860
- Anna University Supervisor ID:NA
- LinkedIn: NIL

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 11 Years 6 Months
- Industrial Experience: NIL

INTERNATIONAL EXPOSURE: NA

AREA OF SPECIALIZATION:

- Software Engineering
- Operating Systems
- Database Management Systems
- Machine Learning

Ph.DsAWARDED WITH DETAILS: NA

Ph.Ds GUIDING:

- **Full Time Scholars:** No
- **Part Time Scholars:** No

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY: NIL

PATENTS PUBLISHED/GRANTED:

- SYSTEM AND METHOD FOR REAL-TIME FAULT DETECTION IN ELECTRICAL CIRCUITS USING EDGE AI PROCESSORS
- INTELLIGENT POWER MANAGEMENT UNIT FOR IOT DEVICES WITH ADAPTIVE SOFTWARE CONTROL.
- ANOMALY DETECTION IN POWER SYSTEMS USINGFEDERATED LEARNING MODELS.
- SMART CIRCUIT BREAKER SYSTEM WITH PREDICTIVE OVERLOAD DETECTION USING AI.
- CLOUD-INTEGRATED WIND TURBINE HEALTH MONITORING USING ML ALGORITHMS.
- HYBRID NEURAL NETWORK BASED CONTROL ARCHITECTURE FOR SMART INVERTERS IN RENEWABLE ENERGY
- EMBEDDED SYSTEM FOR PREDICTIVE MAINTENANCE OF ELECTRICAL GRIDS USING MACHINE LEARNING.
- IOT BASED SOLAR PANEL PERFORMANCE MONITORING AND OPTIMIZATION SYSTEM.
- REMOTE ELECTRICAL ACTUATION SYSTEM FOR PRECISION PLANTING AND SEEDING EQUIPMENT.
- SMART ELECTRICAL SOIL MONITORING SYSTEM FOR PRECISION AGRICULTURE.
- ELECTRICAL ENERGY HARVESTING DEVICE FROM AGRICULTURAL WASTE FOR ON FARM POWER SUPPLY.
- ELECTRICAL ENERGY STORAGE AND MANAGEMENT SYSTEM FOR SOLAR POWERED AGRICULTURAL MACHINERY.
- ELECTRICAL SENSOR NETWORK FOR REAL TIME CROP HEALTH MONITORING.

- INTEGRATED ELECTRICAL CONTROL SYSTEM FOR GREENHOUSE CLIMATE AND IRRIGATION MANAGEMENT.

COURSES CERTIFIED:

- NIL.

ACHIEVEMENTS AND AWARDS:

- NIL

SPECIAL SESSIONS DELIVERED:

- NIL

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- NIL

PROFESSIONAL MEMBERSHIPS:

- NIL

OTHER DETAILS (If any):

- NIL