

KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name: Mr.K.sudarsanan	
Designation:	Assistant Professor
Qualification:	B.Tech M.E.,
Area of Specialization:	Optical Communication
Experience:	Teaching: 22 Years
No. of Programme attended:	Workshop: 09 Conference: 12 FDP: 04
Publication:	Journal National :01 International :02
	Conference National :1 International :2

Workshop / Conferences / FDP attended : 09 / 12 /03

JOURNAL PUBLICATIONS

1. Published a paper on “**A Modified Enhanced Method of Audio –Stegnography for High Security Transmission**” in in Web of Conferences 399,01003,ICONNECT 2023.
2. Published a paper on “**Energy Efficient Routing Protocol for Wireless Sensor Networks**” in **Journal of Engineering Sciences**” in Volume 11,Issue 2,ISSN No:0377-9254,Feb -2020.
3. Published a paper on “**Two dimension VLSI Digital IIR filter**” in the 3rd National conference –NCATT’12-IEEE Trans Computers,VOL 57,no-11,PP 1528-1539,Nov-2008.

CONFERENCE PUBLICATIONS

1. Presented in the “National Conference on Envision on 5G in AI ,IOT & Cloud Computing Applications“,28th March, 2024 at Parisutham Institute of Technology and Science,Thanjavur.
2. Presented a Paper on “International Conference on Recent trends in Engijneering & Science(ICRTES-2024)”on 2nd and 3rd May 2024 at Kings college of Engineering.
3. Presented a Paper on “International Conference on Computing,Communication and Control(IC4) on 26 th APR 2023 at Kings college of Engineering.
4. Presented a Paper on “International Conference on Advanced Technologies in Power and Robotics Engineering((IconPOWROBO-“20)”on 20th and 21st FEB 2020 at Arasu Engineering college.
5. Presented a paper on “**Dual band Microstrip Antenna design for WLAN Applications**” in the National Conference on Advanced Communication, Computing And Power Systems (NCACCPS 2k191) held on 9th March 2019 at ST.Joseph’s College of Engineering and Technology,Thanjavur.
6. Presented a paper on “**Real time implementation of LIFI based zone sensing and adaptive lighting system for automobile**” in the second International Conference on Innovations in Engineering Technology and science(ICETS-2018),held on 13th and 14th March 2018 at K.Ramakrishnan college of Engineering,Trichy.
7. Presented a paper on “**A survey on MIMO Broadcasting for Simaltaneous wireless Information**” in National Conference on Innovations in Embedded systems and Networking(NCIEN-18) held on 21st March 2018 at Kings college of Engineering.
8. Presented a paper on “**An Implementation of FPGA based home energy management using smartgrid**” in the National Conference on Integrated Technologies 2016 held on 2nd April 2016 at E.G.S Pillay Engineering College,Nagapattinam.
9. Presented a paper on “**Hough Transform implementation on FPGA**” in the International Conference on Futuristic trends in Electronics Engineering held on 2nd &3rd March 2013 at Thiruvalluvar College of Engineering and Technology,Vandavasi.
10. Presented a paper on “**Real time Elephant motion capturing system with appropriate GPS coordinates** ” in the International Conference on Innovations in Engineering ,Science and Technology(ICIEST’17) held on 15th-17th March 2017 at Christian College of Engineering&Technology,Oddanchathram,Dindigal.

11. Presented a paper on **“Two dimension VLSI Digital IIR filter”** in the International Conference on Advances in Engineering and Technology (ICAET- 2012 held on 28th & 29th March 2012 at E.G.S Pillay Engineering College, Nagapattinam.
12. Presented a paper on **“Image segmentation using counter propagation Neural Network”** in the National Conference on Frontier Research areas in Communication computer and Control Engineering (CoFRACCCE-08) held on 6th and 7th March 2008 at Kings College of Engineering,.

EVENT ORGANIZED

NATIONAL LEVEL WORKSHOP:

1. Organized a event **“NATIONAL LEVEL WORKSHOP ON Data Science and AI ”** at Kings College of Engineering, Pudukkottai, TamilNadu on 20th September 2024.

ANNA UNIVERSITY FDTP:

1. Acted as a resource person in **“NATIONAL LEVEL ANNA UNIVERSITY APPROVED SEVEN DAYS FDTP ON EC6401-ELECTRONIC CIRCUITS II”** at Kings College of Engineering, Pudukkottai, TamilNadu during 8th-12th December 2014.

NATIONAL CONFERENCE:

1. Organized a event **“National conference on” Advancement in Electronics and Communication Engineering for Digital India** on 07.03.2021, at Kings College of Engineering, Pudukkottai, TamilNadu.
2. Organized a event **“National conference on” Innovations in Embedded Systems and Networking (NCIEN-18)** on 21st March, 2018 at Kings College of Engineering, Pudukkottai, TamilNadu.

PROJECT EXPO:

Acted as a Evaluator in 25th National Children's Science Congress -2017 held at kings college of Engineering.

SYMPOSIUM:

1. Acted as session Incharge for a event **“NATIONAL LEVEL TECHNICAL SYMPOSIUM E-BLAST2K16”** on 17.09.2016 at Kings College of Engineering, Pudukkottai, TamilNadu.
2. Acted as Jury in a event **“NATIONAL LEVEL TECHNICAL SYMPOSIUM E-**

3. Acted as jury for a event “**National Level Technical Symposium e-BLAST2k23**” on September,2023 at Kings College of Engineering,Pudukkottai,TamilNadu.

SHORT TERM COURSES / SEMINARS /FDP/WORKSHOP/CONFERENCE ATTENDED:

1. Attended three days FDP o :Artificial Intelligence and Machine Learning in Smart Energy Systems”during 03.05.2023 to 05.05.2023.
2. Attended 5 days FDP on “Intelligent Edge:Merging AI and IOT for Smarter systems”from 21.04.25 to 26.05.25.
3. Attended one day workshop on “Machine learning using PHYTON” on 14.02.2020.
4. Attended two days Faculty Development Programme on “Research Issues and solutions in Sustainable Energy Conversion and Renewable Energy Sources” on 01.11.2019.
5. Attended one day workshop on “IOT using Raspberry Pi” on 19.07.2019.
6. Attended one day workshop on “Printed Circuit Board Design” on 12.01.2019
7. Attended one day workshop on “Advancement in mobile Apps” on 23.09.2017.
8. Attended one day workshop on “Antenna design using ADS software tool” on 07.10.2017.
9. Attended two days workshop on “Recent trends in RF,Antenna and MIC”from 01.12.2016 to 02.12.2016.
- 10.Attended one day workshop on “Artificial Intelligence and Expert Systems” on 04.09.2014.
- 11.Attended one day workshop on “Biologically Inspired Algorithms for DSP Applications” on 17.04.2008.

ONLINE COURSES ATTENDED

Sl.No	Course title	University	Duration
1.	STTP on “Control and Automation”	NITTR,Kolkata	18.11.2019 to 22.11.2019
2.	STTP on”Introduction to Network Security”	NITTR,Kolkata	24.06.2019 to 28.06.2019
3.	STTP on ”Problem solving and Decision Making”	NITTR,Kolkata	31.12.2018 to 04.01.2019
4.	Skills for new educational Architecture	UGC-HRDC, Sant Gadge Baba Amravati University	01.12.2020 to 31.03.2021
5.	Big Data Analytics using Smart Grid	ARPIT	01.10.2019 to 31.11.2019

INTERPERSONAL SKILLS:

- Self-Motivated
- Interact well with Team and Management.
- Ability to coordinate and encourage among student community and co-staff members.
- Strong Learning and Grasping ability.
- Possesses good Communication Skill.

SUBJECTS HANDLED:

- Computer Networks
- Advanced Digital Systems Design
- Sensors
- Linear Integrated Circuits
- Circuit analysis
- Medical Electronics
- Electronic Circuits-I
- Electronic Circuits-II
- Communication Theory
- Digital Electronics
- Digital Communication
- Wireless Communication
- RF and Microwave systems
- Microprocessor and Microcontroller
- Digital Image Processing
- Mobile Ad hoc Networks
- Remote sensing
- VLSI Signal Processing
- Wireless Networks
- Digital Signal Processing
- Speech Processing
- Signals and Systems
- Transmission lines and Waveguides
- Satellite Communication
- Analog and Digital Communication.
- Optical Communication Networks