

KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name : Mr.R.Thandayuthapani	
Designation:	Assistant Professor
Qualification:	M.E.,
Area of Specialization:	Communication Systems
Experience:	Teaching: 11 Years
No. of Programme attended:	Workshop:20 Conference: 11 FDP: 40
Publication:	Journal National:-NIL International:01
	Conference National: Nil International:Nil

JOURNAL PUBLICATIONS

1. Thandayuthapani R, “**Smart Caretaking Systems for uncomplaining patients and Baby in Arms Using IOT**” CASS-Vol.04, No.2, pp. 98, March 2020, ISSN:2581-6403.

INTERNATIONAL CONFERENCE

1. Thandayuthapani R, "**Underwater Wireless Power Transfer System**", International Conference on Sustainable Technologies in Engineering and Science (ICSTES-2025), Organized by Kings College of Engineering college, Punalkulam.
2. Thandayuthapani R, "**Visually Impaired Assistance Using Yolo Technology**", International Conference on Recent Trends in Engineering and Science (ICRTES-2024), Organized by CPR, Kings College of Engineering college, Punalkulam.
3. Thandayuthapani R, "**A wearable EEG based massage hair band for monitoring reducing anxiety alleviation and blood pressure**", International Conference on Computing, Communication and Control (IC4), Organized by Kings College of Engineering college, Punalkulam.
4. Thandayuthapani R, "**Face biometric authentication system for ATM using deep learning**", International Conference on Intellectual Research in Science, Engineering and Management, Organized by Kings College of Engineering college, Punalkulam.
5. Thandayuthapani R, "**A Silent Spy Robot for Human Machine Interaction**" International Conference on Multidisciplinary Research, Organized by K.S.K College of Engineering and Technology.

NATIONAL CONFERENCE

1. Thandayuthapani R, "**An IOT Based Smart Perception of Health Observation**" National Conference on Advanced in Electronics and Communication for Digital India, Organized by Kings College of Engineering college, Punalkulam.
2. Thandayuthapani R, "**An IOT based smart perception of health observation**", National Conference Organized by Kings College of Engineering college, Punalkulam.
3. Thandayuthapani R, "**Wireless Power Piracy Monitoring System**", National Conference on NCETECE-2019, Organized by Kings College of Engineering college, Punalkulam.
4. Thandayuthapani R, "**A Survey on MIMO Broadcasting for Simultaneous Wireless Information**", National Conference on NCIEEN-2018, Organized by Kings College of Engineering college, Punalkulam.
5. Thandayuthapani R, "**Analysis of Adaptive Fractional Deep Belief Network and Reinforcement Learning in Speaker Emotion Recognition Signal**", National Conference on FTSP 2K17, Organized by K.S.K College of Engineering and Technology.

6. Thandayuthapani R, “**Design and Implementation of Computer Intracted based Advanced Smart Green Home System Using PLC**”, National Conference on NCIEEN-2016, Organized by Kings College of Engineering college, Punalkulam.

SEMINARS AND WORKSHOP ATTENDED

1. Six Days ATAL Academy FDP on “**Defensive AI: Machine Learning in Cyber Security**” at MOUNT ZION COLLEGE OF ENGINEERING AND TECHNOLOGY from 07.07.2025 to 12.07.2025.
2. Five day NITTTR PDP “**Sensors and Instrumentation**” from 16.12.2024 to 20.12.2024
3. Five day NITTTR PDP “**IOT and Embedded System**” from 16.12.2024 to 20.12.2024
4. Five day ATAL PDP “**Recent Trends in 5G/6G Wireless communication**” from 23.09.2024 to 27.09.2024.
5. Five day FDP “**Internet of thing**” conducted by ICT Academic from 03.06.24 to 07.06.24.
6. **IEEE Six days FDP “4G/5G Communication Networks**” from 03.02.24 to 08.02.24 under **Naan Mudhalvan**.
7. One day Webinar on “**Artificial Intelligence**” organized by Department of ECE&EEE of PR Institute of Science and Technology (PRIST) Deemed to be University, Thanjavur on 24.08.2023.
8. Six day Anna University FDTP on “**EC8652 Wireless Communication**” from 24.01.2022 to 31.01.2022.
9. Six Days Skill Development Program on “**ADVANCED FEATURE TOOLS IN OFFICE AUTOMATION**” held from 28.11.2022 to 03.12.2022 Periyar Maniammai Institute of Science and Technology, Thanjavur
10. Five Days ATAL FDP on “**Internet of Things(IoT) in smart Cities**” from 20.09.21 to 24.09.2021.
11. Five day ATAL FDP on “**Smart Sensors based Industrial Automation and Healthcare Technology**” from 07.06.2021 to 11.06.2021.
12. Five day ATAL FDP on “**Framework for Online Assessment**” from 16.08.2021 to 20.08.2021.
13. Five day NITTTR STTP on “**Electrical and Electronic Systems for Wind & Solar**” from 4.10.2021 to 8.10.2021
14. Five day NITTTR- Kolkata STTP programme on “**Network infrastructure and cloud security**”.
15. Five Days ATAL FDP on “**Internet of Things (IoT)**” from 21.12.2020 to 25.12.2020.

16. Five Days ATAL FDP on “**Energy Engineering**” from 23.11.2020 to 27.11.2020
17. Five day NITTTR- Kolkata STTP programme on “**Management Issues of Laboratory and Workshop Class**” from 04.11.2019 to 08.11.2019.
18. Five day NITTTR- Kolkata STTP programme on “**Rural Development through Technical Institution**” from 29.07.2019 to 02.08.2019.
19. Five day NITTTR- Kolkata STTP programme on “**Evaluating Students Performance and Designing Question Papers**” from 25.02.2019 to 01.03.2019.
20. Two day FDP on “**Research issues and Solutions in Sustainable Energy Conversion and Renewable Energy Sources**” held on 01.11.2019 & 02.11.2019.
21. Two day FDP on “**Modern Trends in Image Processing**” organized by Bannari Amman Institute of technology held on 21.02.2019 & 22.02.2019.
22. Two day FDP on “**IOT: Communication Technologies**” organized by PSNA College of Engg. and Tech., held on 27.04.2017 & 28.04.2017.
23. Two day FDP on “**Computational Methods in Bayesian Statistics and ML**” organized by Kongu Engineering College held on 04.11.2016 & 05.11.2016.
24. Two day FDP on “**Recent Trends in Medical Image Processing & Robotic Vision through Machine Learning Perspectives**” organized by Bannari Amman Institute of technology held on 04.11.2016 & 05.11.2016.
25. Two day FDP on “**ARM Processor Embedded System**” Conducted by Pantech ProEd Pvt Ltd. held on 05.06.2015 & 06.06.2015.
26. Two day Workshop on “**Application Developments with Arduino Controllers**” Conducted by Pantech ProEd Pvt Ltd. held on 05.06.2015 & 06.06.2015.
27. Two day Workshop on “**Networking in MNC**” Conducted by MACNUS Solutions held on 22.07.2015 & 24.07.2015.

Certified NPTEL Course

1. Certified NPTEL Course on “Microprocessor and Interfacing” (12 Week course) with 69% Marks.
2. **Digital Circuits** (12 Week course) with **62% Marks** - December 2020
3. Career Advancement Scheme promotion “**Skills For New Educational Architecture**”. From 1st Dec 2020 to 31st March 2021 With a **Grade “C”** in the proctored examination held on 21/08/2021

PROGRAMME ORGANIZED

1. One day Workshop on “**Embedded and IoT**” on 04.04.2025 for Polytechnic students.
2. **Act as a Resource person** - Orientation Program on “Recent IOT concept for Miniproject” was handled by R.Thandayuthapani on 13.02.2025
3. One day Workshop on “**4G/5G COMMUNICATION NETWORKS**” on 26.09.2024
4. National Level Training Programme on “**Innovative Project Development Using IoT**” on 21 & 22 August- 2023.
5. Webinar on “**IoT using Tinker card**” held on 03.08.2023
6. Organized 3 Days Workshop on “**CCTV installation and service**” on 12.10.2022-15.10.2022.
7. ISTE ONLINE QUIZ PROGRAM ON “**QUIZ - ELECTRONICS**” on 25th AUGUST 2021
8. Webinar on “**Composite Materials For Automotive Applications & Flexible Electronics**” on 1st June 2021. Mr. A. Senthil Kumar, Project Scientist, Indian Institute of Technology, Chennai.
9. **Act as a Resource person** - Polytechnic students Workshop on “Hands on session - IoT Applications” was handled by R.Thandayuthapani.
10. Organized one day Webinar on “**Research Trends in Multirate Signal Processing**” Dr. V. Sakthivel Asst. Professor, National Institute of Technology, Calicut, Kerala. On 27.05.2020.
11. One Day Workshop on “**Higher Education & Role of Engineers in future India**” for Polytechnic students 06 March 2020.
12. One Day Workshop on “**Microelectronics and VLSI design using advanced simulation tools**” held on 20.02.2019.
13. One Day Workshop on “**SOFTCOMPUTING TECHNIQUES FOR RENEWABLE ENERGY SOURCE**” held on 24.08.2017.

PROPOSAL

1. TNSCST Project Proposal submitted “IoT based irrigation monitor and control system in Agriculture”.
2. TNSCST Project Proposal submitted- “An IOT based water supply monitoring and controlling system with theft identification”.

INTERPERSONAL SKILLS:

- Self-Motivated
- Interact well with Team and Management.
- Ability to coordinate and encourage high performing atmosphere among student community and co-staff members.
- Strong Learning and Grasping ability.

SUBJECTS HANDLED:

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| ➤ Embedded Systems and IoT | ➤ Microprocessor and Microcontroller |
| ➤ Digital Principles and Computer Organization | ➤ Analog IC Design |
| ➤ Digital Systems Design | ➤ Computer Networks |
| ➤ IoT Concepts and Application. | ➤ Networks and Security |
| ➤ Linear Integrated Circuits | ➤ Digital Logic Circuits |
| ➤ Electronic Devices and Circuits | ➤ Basic Electrical & Instrumentation Engg. |
| ➤ Communication Theory | ➤ RF and Microwave Engineering |
| ➤ Digital Electronics | ➤ Mobile Communication |
| ➤ Digital Communication | ➤ Communication Systems |
| ➤ Communication Theory | ➤ 4G/5G Communication Network |
| ➤ Advanced Digital System Design | ➤ Satellite Communication |
| | ➤ Transducer Engineering |