

PUBLICATIONS

JOURNALS

- PL. Natchiammai, V, Rajalakshmi, S. Ambigaipriya, R.Latha **“Monitoring System for CoalMine Safety using Wireless Sensor Network”**, International Journal of Mechanical Engineering (IJMA), Vol.7, No.4, ISSN : 0974-5823, pages: 1788-1792 April 2022
- Dr. M. Kavitha, PL. Natchiammai, **“ An modified enhanced method of reversible data hiding in audio encryption”**, International Journal of Engineering Research and Applications (IJERA), Vol.7, Issue 8, August 2017

CONFERENCES

- Presented a paper titled **“ DNA sequence based video encryption using discrete wavelet transform”**, International Conference on Informatics, Robotics, Construction & Communication (ICIRCC) , March 2019
- Presented a paper titled **“ Reversible data hiding in audio encryption”**. International Conference on Recent Trends in Engineering and Technology (ICRTET 2014), March 2014 at Mount Zion Engineering College, Pudukkottai

FDP / WORKSHOP / WEBINAR ATTENDED

- Blended/Hybrid **AICTE Training and Learning (ATAL) Academy** Faculty Development Programme on **“Pedagogical Design Thinking for Digital Employability”** at **Alagappa University**, Karaikudi, 5-12-2022 to 10-12-22 and 12-12-22- to 16-12-22
- **NPTEL-AICTE Faculty Development Programme** on **“Pattern Recognition and Application”**, Jul - Oct 2022
- **NPTEL-AICTE Faculty Development Programme** on **“Accreditation and Outcome Based Education”**, Aug - Oct 2022
- Participated in **“IEEE Authorship and Open Access Symposium: Tips and Best Practices to Get Published from IEEE Editors”** at Mookambigai College of Engineering, Pudukkottai, 30-08-22

- **AICTE Training and Learning (ATAL) Academy** Online Elementary Faculty Development Programme on **“Outcomebased Education and NBA Accreditation Process”** at Government Polytechnic College, Pen from 20-09-21 to 24-09-21
- **Participated in the webinar series on “Quality Enhancement & Accreditation”** organised by **SASTRA** Deemed to be University, Thanjavur sponsored under **Margdarshan** scheme of AICTE, New Delhi
- **AICTE Training and Learning (ATAL) Academy** Online Elementary Faculty Development Programme on **“Lab on a Chip”** at Rajalakshmi Engineering College, Chennai, 12-07-2021 to 16-07-21
- **NPTEL-AICTE Faculty Development Programme** on **“Deep Learning”**, Jul - Oct 2021
- One week FDP webinar on **“Digital Skills for Smart Teaching”** conducted by IQAC at Don Bosco College, Maram, Manipur from 14-06-21 to 19-06-21
- **AICTE sponsored six days short term training programme on “Data Analytics in Biomedical Engineering”** at Karpagam Academy of Higher Education, 14-12-20 to 19-12-20
- **“Design of Brain Control applications”** on 26-06-20 hosted by **NITJ** in association with PANTECH
- Participated in the webinar on **“Publication Metrics: h-index, Impact factor and Citation Databases”** organized by **Dept.of Library, Mookambigai College of Engineering, Pudukkottai on 26-06-20**
- Two days webinar on **“Artificial Intelligence and Model - Based Design and Teaching with MATLAB”** at Chennai Institute of Technology on 25-06-20 and 26-06-20
- Participated in the webinar on **“Basics of Artificial Neural Network and Introduction to Matlab tool with example”** organized by Dept. of ECE, Mookambigai College of Engineering, Pudukkottai on 21-06-20
- **“Recent Advancements in AI, IoT and Data Science”**, at B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai from 08-06-20 to 12-06-20

- **“Brain Controlled Robot Design”** on 06-06-20 hosted by **NITK-STEP** in association with PANTECH
- Faculty Development Programme on **“Arduino”** at **Kings Engineering College, Chennai**, 01-06-2020 to 05-06-20 in association with **spoken tutorial, IIT Bombay**
- Faculty Development Programme on **“eSim”** at **VIT, Chennai** in association with Teaching Learning Center (TLC) of **spoken tutorial, IIT Bombay**, 14-05-20 to 16-05-20
- Ten days webinar series on **“Matlab Master Class 2020”** organized by **IETE Mumbai - Pantech Prolabs Pvt Ltd**
- Participated in the live webinar on **“Intellectual Property Rights in India”** conducted by PSNA - IPR cell during 11-05-20 to 13-05-20
- **NPTEL - AICTE Faculty Development Programme** on **“Sensors and Actuators”**, Jul - Oct 2019
- Two days National Seminar on **“Implantable devices and hand held systems utilizing RF and Microwave for Medical Application”** organized by Dept. of ECE, K.Ramakrishna College of Technology, (ICMR) Trichy from 28-11-17 to 29-11-17
- **AICTE sponsored Staff Development Programme** on **“Embedded Systems”** at Pattukkottai Polytechnic College, Industry Institute Partnership Cell (IIPC) cell in collaboration with Pantech Solutions, Chennai from 27-09-11 to 28-09-11
- **AICTE sponsored Staff Development Programme** on **“Wireless Communications”**, at Srinivasa Polytechnic College, Pudukkottai from 07-12-2009 to 18-12-2009



NPTEL COURSES

- NPTEL Online Certification on **“Pattern Recognition and Application”**, Secured 72% with Elite Grade , Jul - Oct 2022
- NPTEL Online Certification on **“Accreditation and Outcome Based Education”**, Secured 75% , Elite Grade with Silver Medal , Aug - Oct 2022
- NPTEL Online Certification on **“Deep Learning”**, Jul - Oct 2021

- NPTEL Online Certification on **“Sensors and Actuators”**, Jul - Oct 2019
- NPTEL Online Certification on **“Microprocessors and Interfacing”**, Jan - Apr 2019
- NPTEL Online Certification on **“Microprocessors and Microcontrollers”**, Jan- Apr 2018

PROJECTS

TITLE	SPONSORING AGENCY	AMOUNT	RESPONSIBILITY
Monitoring System for Coal Mine Safety using Wireless Sensor Network	TNSCST	7500	Principal Investigator

LECTURES DELIVERED

TOPIC	DELIVERED AT	PERIOD
Transducer Engineering	Indira Ganesan College of Engineering, Tiruchirappalli	09-12-2021

OTHER ACHIEVEMENTS

Got **SUMAN SHARMA AWARD** from **The Institution of Engineers (India), Kolkata** for securing **Highest marks** in aggregate among the women candidates in **Section A - A.M.I.E Examination held in Winter 2005**

Got **INSTITUTION PRIZE** from **The Institution of Engineers (India), Kolkata** for securing **2ND Highest marks** in aggregate **Section A - A.M.I.E Examination held in Winter 2005**