Faculty Profile

Ms. N. VIGNESHWARI
Assistant Professor/ Medical Electronics

HIGHLIGHTS:

- Number of Journal Publications: 19
- H-Index: 03

PROFESSIONAL LINKS:

- Scopus ID: 57215134076
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57215134076
- Google Scholar ID:
  https://scholar.google.com/citations?user=cwcf5ecAAAAJ&hl=en&oi=ao
- Anna University Faculty ID: 265187
- AICTE Faculty ID: 1-3763455132
- LinkedIn: https://www.linkedin.com/in/vigneshwari-nambiraj-2b5909a4/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 7 yrs 7 months

AREA OF SPECIALIZATION:

- Biomaterials and Artificial Organs

- Biomedical Instrumentation

- Biomedical Signal Processing

COURSES CERTIFIED:

- Completed 6 months of **AICTE-QIP-PG Certificate Programme on High Performance Computing.**

- Completed NPTEL Certification on **"Electrocardiogram - Interpretation and Application in Clinical Practice"**

- Completed NPTEL Certification in **"Advanced Robotics"**

- Completed NPTEL Certification on **"Drug Delivery: Principles and Engineering"**

- Completed **IUCEE Research Methods** Course offered by Dr. Prathiba Nagabhushan, School of Education & Arts Australian Catholic University, and Dr. John Tharakan, Professor College of Engineering and Architecture Howard University from Oct 2020 to Mar 2021.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Attended international workshop on "**Breakthrough Technologies for Engineering Education and Research@ using Software Defined Testing & Measurement and Metaverse**" organized by NITTTR, Chennai in association with Liquid Instruments, USA and ARK info solutions, New Delhi.
- Completed IUCEE **Research Methods Course**, Course offered by Dr. Prathiba Nagabhushan, School of Education & Arts Australian Catholic University and Dr. John Tharakan, Professor College of Engineering and Architecture Howard University from Oct 2020 to Mar 2021.
- Completed **Module 5: Technology Enabled Learning and Life-Long Self Learning of National Initiative for Technical Teachers Training.**
- "**IoT for Health Care**" organized by PSG College of Technology, Coimbatore, 28.06.2018 to 30.06.2020.
- Participated in one day workshop on "**Medical Image Processing using MATLAB**" Organized by the Department of Biomedical Engineering on October 27, 2018 at KARE.
- "**Sensor Interfacing and Controller Implementation using LabVIEW**" organized by Mepco Schlenk Engineering College, Sivakasi, February 22 – 24, 2017.
- "**Medical Device Innovation Conclave**" (MEDIC 2016), organized by VNIT, Nagpur, September 19– 23, 2016
- "**Needs and Measurements of Ionizing Radiation**" organized by IGCAR at Rajalakshmi Engineering College, Chennai.
- "**National Instruments LABVIEW for Engineering Solutions**" organized by National MEMS Design Centre, at Rajalakshmi Engineering College, Chennai.
- "**MATLAB for Engineers**" organized by National MEMS Design Centre, at Rajalakshmi Engineering College, Chennai.

FACULTY DEVELOPMENT PROGRAM

- Participated & completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "**Micro to Nano- A journey for Inspiring Creations**" at S.A. ENGINEERING COLLEGE from 19/08/2024 to 24/08/2024.
- Attended one-week Faculty Skill Development Program on "**Testing and Calibration of Diagnostic Equipment**" at KAV Biomedical Equipment Training and Education, Madurai.
- Attended FDP on "**Advanced Green Computing Technology in Healthcare**" organized by Saveetha Engineering College, Chennai.
- Attended FDP on "**Emerging Technologies on Biomedical Healthcare Applications**" organized by Sathyabama Institute of Science and Technology.

- Participated & completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "**Non-Destructive Testing and Evaluation**" from 2021-7-26 to 2021-7-30 at the National Institute of Technology, Srinagar.
- Participated & completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "**Lab-On-a-Chip**" from 2021-7-12 to 2021-7-16 at Rajalakshmi Engineering College.
- Four days Faculty Development Program on "**Data acquisition and signal conditioning using myDAQ**" organized by KARE - NI technology innovation centre and National Instruments, Bangalore at Kalasalingam Academy of Research and Education, Krishnankoil from 29.11.2018 to 02.12.2018.
- FDP on "**Emerging Trends in Biomedical Engineering**" Organized by Biomedical Department, KARE
- FDP on "**Role of Robotics and AI during COVID-19**" organized by the Department of Biomedical Engineering, Vels Institute of Science, Technology and Advanced Studies (VISTAS)

PROFESSIONAL MEMBERSHIPS:

- IEEE
- FORCE Biomedical Membership