STAFF DETAILS

PHOTO OF THE STAFF

1. Name: S. AROCKIA SUKANYA

2. Designation: Teaching Fellow

3. Phone-landline(intercom): 6255

4. Mobile: 8940327864

5. Area of Specialization: Bio-Medical Instrumentation – Image Processing

6. Education Qualification:

Sl.No	Degree	Institute/University	Year of passing
1	Ph. D	MIT Campus, Anna University, Chennai.	Pursuing
2	M.E.	St. Joseph's College of Engineering affiliated to Anna university Chennai	2015
3	B.Tech.	Karunya University	2013

7. Experience

Period	Post Held	Name of the Institution
Aug 2016 to Till Date	Teaching Fellow	Madras Institute of Technology, Anna University Chennai
Jan 2016- May 2016	Programmer Analyst Trainee	Cognizant Technology Solutions

8. Publications:

1. Sukanya, A., Krishnamurthy, K., & Balakrishnan, T. (2020). Comparison of Preprocessing Techniques for Dental Image Analysis. Current Medical Imaging, 16(7), 776-780.

2. Sukanya, S. A., Kamalanand, K., Thayumanavan, B., Emmanuel, C., & Rajnikanth, V. (2020). Time domain analysis on myoelectric activity of masseter muscles in resting and chewing conditions. Network Modeling Analysis in Health Informatics and Bioinformatics, 9(1), 1-8.

3. Raja, N. S. M., Sukanya, S. A., & Nikita, Y. (2015). Improved PSO based multi-level thresholding for cancer infected breast thermal images using Otsu. Procedia Computer Science, 48, 524-529.

9. Book Chapters:

1. Arockia Sukanya & K. Kamalanand. (2019). Thresholding Techniques for Dental Radiographic Images: A Comparative Study. In Computational Techniques for Dental Image Analysis (pp. 40-61). IGI Global.

10. Seminar/symposium/workshop attended:

i. "**Deep Learning for Multi-type Medical Imaging**", organized by St. Josephs College of Engineering, Chennai on June 8, 2020.
ii. Attended training program on the topic "**Proteus Software**" organized by Department of Instrumentation Engineering, MIT Campus Anna University Chennai on 04.08.2020 and 05.08.2020
iii. Attended training program on the topic "**LabVIEW Software**" organized by Department of Instrumentation Engineering, MIT Campus Anna University Chennai on 07.08.2020 and 10.08.2020
iv. "**IOT FOR HEALTH CARE**", Organized by, Department of Electronics and Instrumentation Engineering, Dr.MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY, Pollachi, Tamilandu on 24th -29th Aug 2020.
v. Attended training program on the topic "**Introduction and hands on training for PLCs and DCS**" organized by Department of Instrumentation Engineering, MIT Campus Anna University Chennai on 28.10.2020 and 29.10.2020
vi. "**Fundamentals of Image Processing and Computer Vision using Python Programming**" conducted by National Institute of Technology Karnataka, Surathkal, Mangalore – 575025 Jointly with Sri Shasha Prayathi Technologies Pvt. Ltd on 02-Nov-2020 to 06-Nov-2020.
vii. "**Foundations of Deep Learning**", organized by CSIR-CEERI, during 22-26 March 2021.
viii. "**Recent trends in Biomedical Instrumentation and Assistive Technology**", organized by National Institute of Technology, Trichy, on May 2021.

11. Contribution to Department/Institute:

i. Collecting the 2017, 2020 passed out student's soft copy and hard copy documents (NBA and NAAC purpose) to clear their dues.
ii. Acted as the Project Work Coordinator for current final year batch (2016-20).
iii. NBA Work – Prepared CO-PO Mapping for the theory subjects and labs (2016-2019) for the Department of Mechanical, Production and RPT
iv. Acted as the Moderator for the Technical Session (Session 1) of Research Forum Day's Function on 05.09.2020.