

HOD

Name of Faculty: Dr. MINIMOL B.



Designation: Associate Professor & Head of Department

Qualifications

B Tech	Biomedical Engineering with First Class	Cochin University of Science and Technology
ME	ME in Medical Electronics with First Class	College of Engineering Guindy Anna University
Ph D	Computational Cardiology	IIT, Madras

Total Experience in years: Teaching-24

Professional Membership: Life member of –ISTE, BMESI, IEEE, EMBS

Grants Fetched: MODROBS project by AICTE

Interaction with professional institution: IIT Madras, EMBS Kerala Chapter.

Area of Interest:

Computational Modeling,
Cardiac Electrophysiology,
Artificial Neural Networks,
Biosignal Processing,
Medical Image Processing,
Speech signal Processing,
Biomedical Instrumentation

Subjects Handled:

Bio signal Processing,
Computational methods in Biomedical Engineering,

Artificial Neural Networks,
Modeling of Physiological systems,
Biomedical Instrumentation,
Bio Physics,
Microcontrollers,
Medical Imaging Techniques

Details of Publication:

International Journals

1. Balakrishnan, M., Chakravarthy, S., and Guhathakurta, S. (2014). "A simple 2D whole heart model for simulating Electrocardiograms", in: *Computing in Cardiology 2014: IEEE*, 517-520.
2. Balakrishnan, M., Chakravarthy, V.S., and Guhathakurta, S. (2015). Simulation of Cardiac Arrhythmias Using a 2D Heterogeneous Whole Heart Model. *Frontiers in physiology* 6.

International Conference

1. Minimol Balakrishnan, V Srinivasa Chakravarthy, Soma Guhathakurtha 'A simple 2D Whole Heart Model for simulating Electrocardiogram' 41st Annual International Conference of Computing in Cardiology, Cambridge, Massachusetts from 7 -10 September 2014.
2. Sajitha S, Minimol Balakrishnan, Min M G 'A Computational Model of Autonomic Nervous System for Heart Rate Variability' 46 st Annual International Conference of Computing in Cardiology, Singapore from 9 -14 September 2019

Contact:

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