



Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES

(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)

A CHRISTIAN MINORITY INSTITUTION

AICTE Approved & NAAC Accredited



RETREBIMA20

RECENT TRENDS IN BIOMEDICAL APPLICATIONS

13 -17 JULY 2020

FACULTY DEVELOPMENT PROGRAM

In Association with Biomedical Engineering Society of India - BMESI

RETREBIMA20 was a Five day Faculty Development program was organized by the Department of Biomedical Engineering, Karunya Institute of Technology and Sciences,(Deemed to be University) Coimbatore-641 114, Tamilnadu during 13-17 July 2020. The event focus on recent trends in biomedical applications that solve human problems. The session were handled by experts in the Biomedical domain under the various themes such as Assistive devices for hearing disorder, Deep Learning Applications to healthcare, Medical devices troubleshooting, Calibration and regulations of medical instruments, Innovations in Optometry and Key Technologies for smart medical devices. The sessions were enlightening the participants with positive attribute to the biomedical research and product development for the benefit of the society.

We are happy to have more than 120 participants of engineering institutions from different geographic locations of the country attended the sessions. We thank all of them who are working as Professors, Associate Professors and faculty members with interdisciplinary domain with strong research interest in the Biomedical applications. We thank the governing members of BMESI for the support.

Dr. J. Samson Isaac, Convener,

Dr.S.THOMAS GEORGE, HoD,BME



Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES
 (Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)
 A CHRISTIAN MINORITY RESIDENTIAL INSTITUTION
 Coimbatore-641114, Tamilnadu

DEPARTMENT OF BIOMEDICAL ENGINEERING

Organizes **FACULTY DEVELOPMENT PROGRAM ON**

Recent Trends in Biomedical Applications 'RETREBIMA' - 13 JULY – 17 JULY, 2020

					
Dr. P. Mahalakshmi, Professor, Department of Instrumentation, VIT University.	Dr. M.Monica Subashini Associate Professor Department of EEE, VIT University	Er. Alexandra Application Engineer, Oregon, Cochin	Dr. S.Ve. Ramesh, Head, Department of Optometry, MAHE, Manipal, Kamataka,	Mr. Janakiraman Purushothaman CEO, Helix Pvt Ltd, Bangalore	Dr. Kathires, Assistant Professor, EEE, PSG Tech, Coimbatore.
Assistive Devices for Hearing Disorder	Deep Learning for Medical Applications	Troubleshooting of Medical Instruments	Interdisciplinary Research On Innovations in Optometry	Calibration of Medical Instruments	Key Technologies for Smart Medical Devices
-ZOOM link in whatsapp group		-TIME : 2:30 PM to 4:30 PM	E-certificates will be provided		

 Convenors: •Dr.J.Samson Isaac, •Dr.P. Subha Hency Jose, •Dr.P.Manimegalai	Organizing Committee: •Dr.D.Pamela, •Dr.Nishi Shanaj Haider, •Mrs. Hepsiba	Steering Committee: Dr. S. Thomas George, Head, Department of Biomedical Engineering Contact: 9597778204/ 9487846907 / 9994291601	www.karunya.edu/ biomedical 1800 425 4300
---	--	--	--

FDP-POSTER

Innovation in Medical Devices/Technology

- Frugal Innovation or Jugad----- its more of Need based Innovation
- Understanding the Key problem in clinic or community or disease
 - Effective team Building
- Business vs Med-Tech Entrepreneurship
 - Huge Investments- tech realization (to market)- regulatory compliance & more
- Protect the Intellectual Idea- IP Landscape
 - (Patent, Copyrights, FOA etc)
 - Patent-Publish-Prosper

Samson Isaac

J Samson Isaac



Ramesh S Ve

Lakshmi Prasun...

Polu Veeragh...

FDP- SESSION BY Dr.S.Ve.RAMESH



Group Photos of the Participants-RETREBIMA20,

**Organized by Department of Biomedical Engineering,
Karunya Institute of Technology & Sciences, (Deemed to be University), Coimbatore-641114, Tamilnadu.**



**Dr. J. Samson Isaac, M. Tech,
Ph.D., Co-ordinator, RETREBIMA20**



**Dr. S. Thomas George, M.E.,
Ph.D., Department of**

www.karunya.edu/biomedical



	STATEMENT OF EXPENDITURE	Amount in INR
1.	Hospitality expenses Rs.600 x 6 days	3,600
2.	Mic 2Nos	2,600
3.	Webcam HD - 1No	1,300
	TOTAL expenditure	7,500/-