

# **ENGMEDNEWS**

# **Newsletter of Biomedical Engineering Society of India**

July-Aug-2023

**Volume 08/23** 

https://www.bmesi.org.in/

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# **BMESI Sponsored Future Event**

#### ABOUT THE CONFERENCE

The fourth International Conference on Clinical Diagnosis and Biomedical Devices ICCDBD 2023 (formerly referred as ICCDBD 2022) will be held during November 16-17, 2023 at Sri Shakthi Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India. This conference aims to attract global participants to share their knowledge and explore the realm of Biomedical Engineering. This forum will discuss various approaches to biological and medical problems ranging from software modeling to healthcare, bioinformatics including biomechanics and computational bio imaging and will provide a unique look at how various techniques can offer solutions in modeling, pattern recognition, clustering, and other problems particular to the medical field.

This conference is expected to create a platform of discussion between scientists and engineers and will promote quality research and real-world impact in the field of Biomedical Engineering. The invitation is open for all academicians, research scholars, Post-Docs, PG and UG students, to discuss the latest developments and innovations in the field of Clinical diagnosis, artificial intelligence and device design in Biomedical Engineering

## REGISTRATION FEE

Participant	Indian Nationals In ₹	Other Nationals In US\$
Students (UG/PG)	Rs.3000/-	40
Faculty members & Research persons	Rs.4000/+	50
Industrial persons and scientists	Rs:5000/-	70



# DEPARTMENT OF BIOMEDICAL ENGINEERING

IN ASSOCIATION WITH BIOMEDICAL ENGINEERING SOCIETY OF INDIA

> PROUDLY ORGANIZES TWO DAYS





INTERNATIONAL
CONFERENCE ON CLINICAL
DIAGNOSIS AND
BIOMEDICAL DEVICES
ICCDBD
2023

ON NOVEMBER 16 AND 17, 2023



FOR FURTHER DETAILS VISIT, HTTP://WWW.ICCDBD.IN/OR CONTACT US ON 8675303639 (OR) 9600324677.

YOU CAN SCAN THE BELOW QR CODE TO VISIT WEBSITE







IEEE Mangalore Subsection



Organized by IEEE Mangalore Subsection

Hosted at Sahyadri College of Engineering & Management, Mangaluru, India

October 13th - 14th, 2023

# **Call for Papers**

# IEEE Mangalore Subsection (R0011901) is organizing 7th IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (2023 IEEE DISCOVER).

2023 IEEE DISCOVER will be held in the serene premises of Sahyadri College of Engineering & Management in the region of Mangaluru, Karnataka, India. Being the seventh international conference under IEEE Mangalore Subsection, 2023 IEEE DISCOVER intends to attract people working in diverse fields: Distributed Computing, Software Engineering, VLSI, Verification, Communication Engineering, Electrical and Electronic Circuits, Robotics and Healthcare. The conference is designed to create a platform for researchers from academia and industry, practising engineers, and students. A series of keynote presentations, technical paper and poster presentations are planned to foster vigorous exchange of research findings and ideas among the participants. All accepted and presented papers will be submitted for possible publication in IEEE Xplore® Digital Library (Conference Record #58830), through the IEEE Conference Publications Program (CPP).

# Tracks\*

Track 1: Distributed Computing

Track 2: Communications

Track 3: VLSI

\* Visit Conference website for detailed topics covered.

### Registration Fee:

Registration Type	Indian Author	Foreign Author
Regular Author (Industry)	INR 10000	USD 350
Regular Author (Academia)	INR 8000	USD 300
IEEE Author	INR 7500	USD 250
Student Author	INR 7000	USD 250
IEEE Student Author	INR 6500	USD 200
Regular Attendee	INR 3000	USD 150
Student Attendee	INR 2500	USD 100

Track 4: Electrical and Electronic Circuits

Track 5: **Robotics**Track 6: **Healthcare** 

#### **Important Dates:**

Paper Submission Deadline: Wednesday, May 31, 2023 Thursday, June 15, 2023\* \*Deadline Extended

Acceptance Notification: Tuesday, August 8, 2023
Registration Deadline: Monday, September 18, 2023
CRC Submission Deadline: Monday, September 18, 2023
Conference Dates: October 13 - 14, 2023 (Friday and Saturday)

Contact: Organizing Chairs

Organizing C Mustafa Basthikodi, SCEM, Mangaluru, India : +91 9844535720

Rithesh Pakkala P, SCEM, Mangaluru, India: +91 9844916559

Email: 2023ieeediscover@sahyadri.edu.in



# **Department Of Biomedical Engineering**

# A Report on InternationalConferenceonResearchandInnovationin Biomedical Engineering (RIBE 2023)

TheInternationalConferenceonResearchandInnovationinBiomedicalEngineering(RIBE20 23) held on 27th and 28th July 2023 was a significant event that brought together researchers, scholars, and experts in the field of biomedical engineering. The conference aimed to foster collaboration, share innovative ideas, and discuss the latest trends in the ever-evolving field of biomedical engineering.

The RIBE2023 was a successful event that received a total of 201 research articles from various contributors. Out of these submissions, 167 high-quality articles were accepted for presentation at the conference. Out of the accepted articles, 146 authors registered for presenting their work at the conference. It is noteworthy that 141 authors effectively presented their papers in both online and offline modes, showcasing the conference's commitment to facilitating hybrid participation and knowledge dissemination.









A Report On

National Conference on Biomedical Engineering and Technology (NCBET23)

20th & 21st April 2023

Organized by

Department of Biomedical Engineering
School of Bioengineering

SRM Institute of Science and Technology, Kattankulathur - 603 203







Department of Biomedical Engineering
School of Bio-Engineering
College of Engineering and Technology
SRMIST Kattankulathur

Cordially invite you to

# NATIONAL CONFERENCE ON BIOMEDICAL ENGINEERING AND TECHNOLOGY NCBET23

Inaugural Programme

on 20<sup>th</sup> April, 2023 at 09:30 AM in Mini Hall-I, Dr. T. P. Ganesan Auditorium SRMIST, Kattankulathur 603203

Co-sponsored by







# **About The Conference**

All efforts and innovation in the field of medicine aims at improving clinical outcomes, patient care, precise diagnosis and improved therapy. Importance to affordability, accessibility and ease of use are of priority to tackle the evolving global challenges. With increasing health problems and diagnosis, large data is available for analysis. The need for intelligent systems to handle, sort, analyse, predict the condition and suggest an appropriate treatment plan is on the rise. This emerging field is a result of contribution from various technologies pertaining to image processing, signal processing, computer vision, machine learning, deep learning, IoT, etc. Bringing together academicians and industry personnel working on these aspects and to find ways of improving the existing techniques is very important to leverage its potential. This conference aims at bringing together experts to showcase their contribution and opportunities for evolution in the research work for improved outcomes.















# **Hindusthan College of Engineering and Technology**

# Report for Five Days Faculty Development Program on Radiological **Equipment's**

#### CORRESPONDENCE

Shri, T.S.R.Khannaiyann

Smt.T.R.K Sarasuwathi

Shri, K.Sakthivel

Dr. K.Priya

#### ORGANIZING COMMITTEE

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Principal-HICET

Dr.S.Saravanasundaram HOD/BME

Ms.M.Deeparani,AP/BME Ms.K.Kiruthika,AP/BME

#### REGISTRATION

- · No Registration Fees
- · Registration Link https://forms.gle/iLpvyRHxR691KvsU6



#### HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

Valley Campus, Pollachi Highway, Coimbatore - 641032

Five Days Online Faculty **Development Program** 

"Radiological Equipments"

8th May 2023 to 12th May 2023





Organized by DEPARTMENT OF BIOMEDICAL ENGINEERING

#### Conducted by

#### Hindusthan

College of Engineering and Technology, Valley Campus, Pollachi Main road

Coimbatore — 32.

# **ABOUT THE INSTITUTION**

dusthan College of Engineering and Technology (HICET), is an autonomous institution approved by AICTE, and is affiliated to the Anna University, Chennai. The Institution was established in the year 2000. HICET is one of frontline autonomous technical institution imparting quality technical education and is NBA accredited with ISO 9001: 2015 certified and NAAC certified with "A' grade. The Hindusthan Educational and Charitable Trust known for its vision, dynamism and philanthropy are run under the eminent and praiseworthy leadership of Shri T.S.R.Khanniayann, Chairman, Smt. T.R.K. Sarasuwathi Secretary, and Dr. K.Priya, Executive Secretary. HICET is currently offering 15 UG and 7 PG Programmes in Engineering, Technology and Applied Sciences.

# ABOUT THE DEPARTMENT

The Department of BME is devoted to establish piomedical solutions to improve healthcare and well-being of people all over the world. Biomedical Engineering is the application of various engineering principles and technology to medicine and biology, for bettering the lives of people all over the world. It focuses on integrating the healthcare field with the problem solving and designing skills of engineering principles thus bridging medical science and engineering disciplines. Biomedical Engineering is a multidisciplinary course with many opportunities for research and specialization. It involves studying all types of engineering ranging from electronics, computers, mechanical, chemical and Nano technology.

# **OBJECTIVE OF THE WORKSHOP**

- The five days online faculty development program on Radiological Equipments provide knowledge about

  Fundaments of Radiological Equipment with Insights into the Recent AI Era
- X-Ray, CT,MRI Digital Radiography

- Fluoroscopy and Mammography Imaging modalities in Nuclear Medicine
- Radio Diagnostics and Radiation Therapy Radiation Safety and Protection

# **ELIGIBILITY OF PARTICIPANTS**

The FDP is open to all eligible Faculty members and Research Scholars from approved AICTE and ANNA UNIVERSITY affiliated Institutions

# **RESOURCE PERSONS**



Day 1-08.05.2023 Mr. D. SIVAKUMAR Assistant Professor & Head Medical Physics Dr.N.G.P. Arts and Science College, Topic: Nuclear Medicine



Day 1-08.05.2023 Dr.M.KALAMANI KPR Institute of Engineering and Technology Coimbato Topic: MRI scanner and Its Applications



Dr.C.SENTHAMIL SELVAN Lecturer cum RSO FAHS & Dept. of Radio-Diagnosis MGMCRI, Puducherry. Radiation Safety, Teaching for B.Sc MIT & M.D (RD) and Research. Topic: Fundaments of Radiological Equipment with Insights into the



Dr. N. NANDAKUMAR Proprietor / Bio Medical Engineer PRIME BIO MEDICAL SYSTEMS. Topic: Current Trends in Radiological Equipment and Its Application



Day 3-10.05.2023 Mr.DHAKSHINAMOORTHI PROPRIETOR Medingers Healthcare Solution Topic: Application of X-ray in



Day 3-10 05 2023 Ms. SREEPADMINI R Assistant Professor, PSG College of Technology, Topic: Clinical Applications of Dynamic Digital Radiography

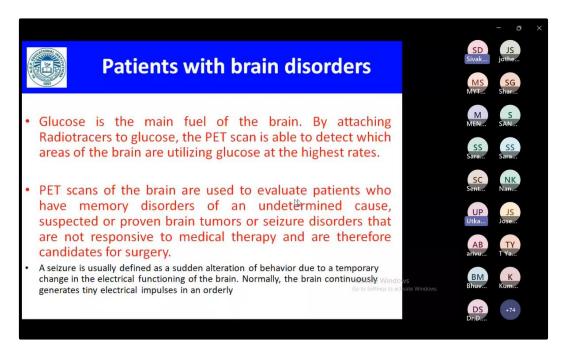


Prof. A THIRUGNANAM Associate Professor Biotechnology and Medical Engineering. National Institute of Technology, Rourkela

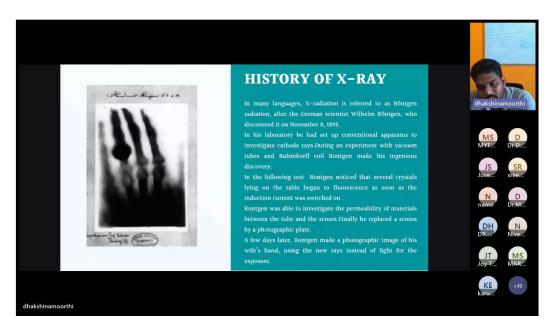


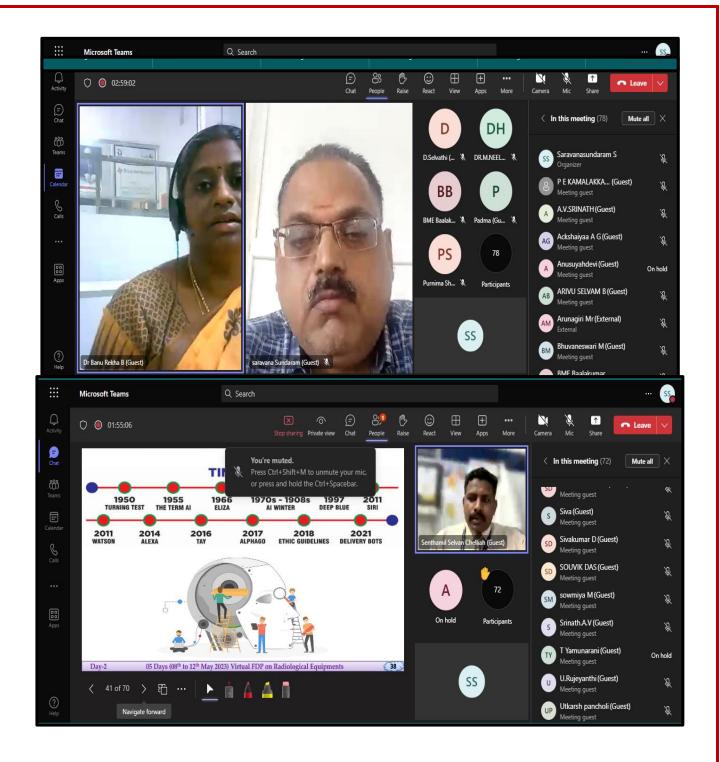
Topic: Radiation Therapy for Cancer Dr. BANU REKHAB PSG College of Technology, Topic: Radiation Protection

Day -5 -12-05.2023 Hindusthan Hospital Visit









Compiled by Dr. Muralidhar Bairy, Secretary, BMESI, India.

Sachin S Devadiga, Junior Engineer, Biomedical Engineering, MIT, Manipal, 576104.