



RECENT TRENDS IN MEDICAL INSTRUMENTATION AND ITS APPLICATION

Event No	BM025
Organizing Department	Biomedical Engineering
Associate Dept. NSC	Industry Institute Partnership Cell
Date	25/02/2023
Time	02:00 PM to 03:00 PM
Event Type	Guest Lecture
Event Level	Dept. Level
Venue	Veena Hall, KPRIET
Total Participants	138
Faculty - Internal	8
Students - Internal	130

Related SDG



Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Chief Guest	Nandakumar	Founder & CEO	Prime Biomedical Systems	nnandaprime@gmail.com	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Krishna Kumar R	Coordinator

Outcome

Students have obtained the knowledge on Evolution of Biomedical devices

Event Summary

The Session was started with Tamil Thai Vaazhthu, followed by KPR Anthem. Ms.S.Bhuvaneshwari, II BME student gave the Welcome address. The Chief Guest introduction was given by Ms.B.Neha Nesvas, III BME student. Followed by the Expert session. The Guest has given a brief note on the evolution of Hospital and Medical Instrumentation. Dr.N.Nandakumar categorized various Biomedical equipment's into three types, Diagnostic, Therapeutic and Monitoring devices. He started with Stethoscope, a diagnostic medical device used to hear heartbeat of the Patient. He then explained most of the Biomedical Equipment's function, working, advantages, limitations and future scope. The Guest then explain the Ultrasound and its application types such as Doppler Ultrasound, Foetal Ultrasound, 3D ultrasound and 4D ultrasound and its advantages and applications. The Guest had explained about the ECG and EEG devices and their recent advancements. He then explained about ICU equipment's and its importance. He explained the operation theatre procedures and the role of Biomedical Engineers in Operation theatre preparations. The Speaker then demonstrated a video on how twin babies are made delivered through surgery, with the mother being awake and conscious. He then presented the students the list of achievements made possible, with the aid of recent advancements in Biomedical devices and educated the students with various opportunities and scope in Biomedical engineering and motivated the students to succeed in their Career. The Guest had encouraged the students to develop their Entrepreneur skills and explained the procedure to enhance their Biomedical engineering career as an Entrepreneur. At the end of the Session, Mr.S.Vignesh, III BME had delivered Vote of Thanks to the Chief Guest, Head of the Department, Faculty members and BME students.

The poster is for a webinar organized by the Department of Biomedical Engineering at KPR Institute of Engineering and Technology. It is part of the 'SYNERGY' 23 series, with the theme 'IGNITING INNOVATION'. The webinar is titled 'RECENT TRENDS IN MEDICAL INSTRUMENTATION AND ITS APPLICATIONS' and is presented by Dr. N. Nandakumar, Founder of Biomedical Engineer, Prime Biomedical Systems. The event is scheduled for Saturday, 25 February, from 2:00 PM to 3:00 PM in Veena Hall. The poster also lists student coordinators (Mr. B. Muthuraj and Ms. D.S. Libuja) and a faculty coordinator (Prof. R. Krishnakumar).

DEPARTMENT OF BIOMEDICAL ENGINEERING
IN ASSOCIATION WITH INDUSTRY INSTITUTE PARTNERSHIP CELL
ORGANIZES
WEBINAR ON
SYNERGY'23
IGNITING INNOVATION
"RECENT TRENDS IN MEDICAL INSTRUMENTATION AND ITS APPLICATIONS"
DR. N. NANDAKUMAR
FOUNDER / BIOMEDICAL ENGINEER, PRIME BIOMEDICAL SYSTEMS
SATURDAY 25 FEBRUARY | 2.00 PM - 3.00PM VEENA HALL
STUDENT COORDINATORS: Mr. B. Muthuraj - II BME, Ms. D.S. Libuja - II BME
FACULTY COORDINATOR: Prof. R. Krishnakumar AP/BME

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