

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY, ERODE.

DEPARTMENT OF BIOMEDICAL ENGINEERING

ASSOCIATION ACTIVITIES FOR THE PERIOD OF 2021 – 2022

Webinar

- In Association with IEEE SB, EMBS chapter, BME- BIONIKX organized a Webinar on **‘Importance of Calibration and Quality Assurance Test in the field of Biomedical Engineering’** on 07.08.2021. C.P.Remya, Technical Manager, Biomedical Techniques, Calibration Experts, Thrissur, Kerala was the resource person and the Chief Guest.
- Organized a Webinar on **‘Biomedical – An AI of Hospital’** on 13.08.2021. Mrs.E.Rama Prabha, General Manager, Lotus Hospital, Erode was the Chief Speaker.
- Association of BME - BIONIKX in Association with IEEE SB, EMBS organized a Webinar on **‘Big Awareness Session’** on 18.08.2021. Mrs.Sumithra, Pre-Incubation and BIG Program Manager, IITM HTIC MedTech Incubator was the resource person and the Chief Guest.

Competition

Association of BME- BIONIKX conducted a Competition on 21.08.2021 on the topic of **‘Mind O Pedia’**. The following students were awarded with prizes

NAME & CLASS	PRIZE
Niranjana R - II BME B Suba Shree P - III BME B Catherine Biju- III BME A	I
Askilla P – IV BME A Shanmugapriya M- IV BME B	II
Sangeetha S- IV BME B	III

Webinar

Association of BME- BIONIKX in Association with IEEE SB, EMBS organized a webinar on **‘Biosensors in IoT’** on 28.08.2021. Mr.M.Parthiban, Technical Manager, Caliber Embedded India Pvt.Ltd., Salem was the Resource Person and the Chief Guest.

Inaugural Function and a Guest Lecture

Association of BME- BIONIKX in Association with IEEE SB, EMBS Inaugural Function & Online Guest Lecture on **‘AWS (Amazon Web Services) in Health Care’** on 04.09.2021. Mrs.Reegana Saleem, Senior Project Engineer, Wipro Technologies, Chennai was the resource person and the Chief Guest.

Live Workshop

Association of BME- BIONIKX in Association with IEEE SB, EMBS and BMESI student chapter organized a live Workshop on 17.09.2021. The session on **‘Virtual Visit to Endoscopy Suit’** was handled by Dr.S.Easwaramoorthy, MS, FRCS, Chief Surgeon, Department of Minimal Access Surgery, Lotus Hospital, Erode & **‘Endoscopy- Preventive Maintenance and Trouble Shooting’** was taken by Er.Praveen Shankar, Officer- Field Service, Olympus Medical System, India Private Limited, Chennai.

Inter Departmental Paper Presentation

Association of BME- BIONIKX in Association with IEEE SB, EMBS and BMESI student chapter organized an Inter Departmental Paper Presentation BIOPAPYRUS on 01.11.2021. Students presented the topics related to Cloud computing, Advancement in AI, Recent trends in Green Energy Electrical Power Converter, 3D Printing, Digital Healthcare, Virtual Reality in Healthcare. 40 students were participated and the following students were awarded the prizes.

Name	Class	Prize
Samuel D Vimalanadhan S	IV MECH	I
Aravind Karthik T	II ECE	II
Catherine Biju	III BME	III

Demo session

Association of BME- BIONIKX in Association with IEEE SB, EMBS and BMESI student chapter organized a live demo session for Third and Final year students on the topic '**Syringe pump**' on 08.11.2021. M.Sarvesh kumaran, Akas Infusions, Coimbatore was the resource person and the Chief Guest.

Value Added Course

Association of BME- BIONIKX conducted a value added course for Third year students on the topic 'Biosignal Image Analysis using Graphical System Design' from 13.12.2021 to 16.12.2021. Mr.S.Esakkiraja, Senior Application Engineer, VI Solutions, Bangalore was the resource person.

ALUMNI MEET

Organized an Alumni meet for BME students through Zoom meeting on 26.02.2022.

WOMEN'S DAY CELEBRATION

On International Women's day Celebration, A Guest Lecture was organized on the theme '**Women of Tomorrow**' on 08.03.2022. Dr.R.Parvathi, Controller of Examination, Vellalar College for Women was the Chief Guest and the resource person. She delivered a talk on the topic '**Create the identity you want for yourself**'.

SEMINAR

Association of BME- BIONIKX & BMESI Student chapter in association with Harvey Biomedical, Bengaluru organized a seminar on the topic '**Employment Opportunities in Medical Field**' on 14.03.2022. Mr.M.Ayyappadas, Founder & Director, Harvey Biomedical was the Chief Guest and the resource person.

IEEE INAUGURAL FUNCTION

In association with IEEE-VCET student branch & Engineering in Medicine & Biology Society (EMBS) organized an IEEE Inaugural function and a Guest lecture on '**Balancing College Life and Academics- A Journey**' on 18.03.2022. Dr.K.Balamurugan, AP/EEE, IEEE Senior Member, IEEE Student Branch Counselor, Sri Ramakrishna Engineering College, Coimbatore was the Chief Guest and the resource person. 123 students were participated in the event.

WEBINAR

Association of BME – BIONIKX in association with IEEE-VCET student branch & Engineering in Medicine & Biology Society (EMBS) organized a Webinar on ‘**FPGA based Digital Filter Design for Biosignal Processing**’ on 12.04.2022. Dr.J.Prasad, Assistant Professor(Sl.Gr), Department of Electronics and Communication Engineering, KPR Institute of Technology, Coimbatore was the Chief Guest and the resource person.



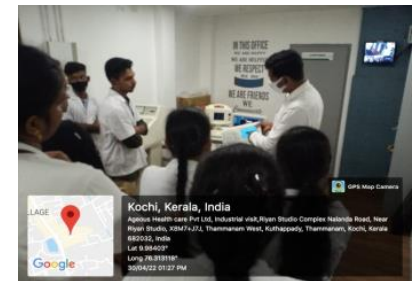
17TH NATIONAL LEVEL TECHNICAL SYMPOSIUM

17th National level Technical Symposium BIOZEPHYR-2022 was organized by Association of BME on 26.04.2022. Mr. Sathyamurthy Chinnasamy, Vice President - Operations, Aquasub, Coimbatore & Mr.T.Narendran, Vice President - Operations, Aquasub, Coimbatore was the Chief Guest for the inaugural function. Around 80 papers were received from students of various Engineering Colleges across the country, of these 45 were selected for presentation. Balasubramanian Balavilathan, Department of Biomedical Engineering, Excel Engineering College, Coimbatore judged the papers presented. Other events such as Adzap, clip hunt were conducted. 25 students from various engineering colleges participated.



INDUSTRIAL VISIT

Third year students undergone Industrial visit at **Aegous Healthcare Pvt. Ltd., Ernakulam, Kerala** on 30.04.2022. Aegous Healthcare Pvt Ltd conducts advanced training program for biomedical engineers in biomedical equipments under professional and skilled trainers. This training program provides Equipment Management, Service and Maintenance, Clinical application, Testing& Calibration.



NATIONAL CONFERENCE



National Conference NCTEA 2022 was organized on the topic ‘**Recent trends in Engineering Applications**’ on 06.05.2022. The Chief Guest of the conference was Dr. N.K.Karthikeyan, Prof & Head, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore. 28 students from other colleges and 90 final students of BME were participated and presented the papers.

There were three parallel sessions out of which one was online mode, this was arranged to facilitate the students to participate from their own institution. Dr.R.Prabu, Professor and Head, KSR Institute

for Engineering and Technology, Tiruchengode and Dr.N.Sugumar, Professor and Head, Biomedical Engineering, Nandha Engineering College, Erode were the juries for the papers presented.

PROJECT EXPO

The Project Expo -2022 "Engineering Innovations" was conducted by BME on 07.05.2022. The Chief Guest of the Project Expo was Mr. Nataraja Perumal Vasudevaraju , Global - HRSS, M&A Senior Project Manager, Genpact, Bengaluru. He encouraged the students and stated that India has great potential for research areas and requires contributions from youngsters and mainly from Engineering Students. Around 140 students were participated and 41 projects were displayed. The following students were awarded with cash prize.

PLACE / PRIZE	TITLE OF THE PROJECT	NAME OF TEAM MEMBERS	Amount (₹)
I	Iot Enabled Portable Phototherapy Unit With Non Invasive Bilirubin Measurement	Mohanakrishnan.D Sarvesh Kumaran.M Naveen.P,Sujithra.M.V	1000
II	Portable Ventilator Using Arduino Micro Controller	Nithish S, Rohith Kanna S Pradeep S, Surendhar C	750
III	Smart Multiple Attendance System Through Single Image	Mukilan R, Manibharathi M Shanmugavel S Thayananthan S	500

GUEST LECTURE

Association of BME - BIONIKX in association with IEEE-VCET student branch & Engineering in Medicine & Biology Society (EMBS) organized a Guest Lecture on '**Research Challenges in Medical Application**' on 13.05.2022. Dr.R.Malathi, Professor, Electronics and Instrumentation Engineering, Annamalai University, Chidambaram was the Chief Guest and the resource person. 62 students from Biomedical Engineering and Medical Electronics department were participated in the event.



SPORTS DAY






21st sports day was celebrated on 20.05.2022. Mr.S.Prasanna Venkatesh was the Chief Guest of the function. Biomedical department has secured over all "**Runner -up**" and the faculty members have received prizes for their participation in various sport events.

COLLEGE DAY & PLACEMENT DAY

21st College Day & Placement Day were celebrated on 21.05.2022. Thiru V.Thangavelu, Tata Consultancy Services, HR Screening, Chennai was the Chief Guest and distributed offer letters for the placed students. Students were enthusiastically participated in various Cultural events and awarded prizes.

GRADUATION DAY

16th Graduation day was celebrated on 22.05.2022. The graduated students from 2016-2020 batch were received their graduation certificate. The following students secured rank

				
1st DHARANI T (2016-2020)	2nd LAKSHMI S (2016-2020)	3d KEERTHANAA P (2016-2020)	4th JEFRI JACOB J (2016-2020)	5th DURGA R (2016-2020)

FAREWELL DAY CELEBRATION

Fare well day was celebrated for 2018-2022 batch final year students on 30.05.2022.

AWARENESS PROGRAM

In association with Women Empowerment Cell organized a Guest Lecture on '**Improve your self-care and personal hygiene**' on 15.06.2022. Dr.V.Sudha Jothi, MBBS, DGO, IOG, Gynecologist, CK Hospital, Erode was the Chief Guest and the resource person.