



ENGMEDNEWS

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Quote

“Keep your face always toward the sunshine, and shadows will fall behind you.” – Walt Whitman

“The happiness of your life depends on the quality of your thoughts.” – Marcus Aurelius

“You do not find the happy life. You make it.” – Camilla Eyring Kimball

BMESI Sponsored Future Event

Department Of Basic Medical Sciences MAHE, Manipal

Organises Conference On

XRHC-2023

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Department of Biomedical Engineering

Event Summary

National Symposium on Recent Trends in Biomedical Engineering 2023

A Two Days National Symposium on Recent Trends in Biomedical Engineering was organized by Department of Biomedical Engineering from 31st March to 1st April 2023 in Sir MV Seminar Hall, Academic Block -2, MIT Manipal. The resource persons are from IITPL, GE HealthCare, Mphasis, Dot Net Manipal, IIT Kharagpur and KMC, and the workshop was conducted in hybrid mode.

Dr. G Muralidhar Bairy, Head of Biomedical Engineering Department welcomed the gathering, Dr. (Cdr) Anil Rana presided over the function, Dr. Cifha Crecil Saldanha Convenor Gave a brief orientation on the Symposium and its importance, Mr Gaurav Agarwal MD IITPL out reached the students with his insights and importance of going to market strategy on medical device in his chief guest address, Dr. Omkar Powar, Co-Convenor delivered the Vote of Thanks at the inaugural ceremony. The resource persons from Industry and Academia with wide multidisciplinary fields focused on the principles of engineering in biology and medicine. They mainly focused on the medical device development, AI and ML, new technology in Image processing and Rehabilitation. The integration of medical and engineering can revolutionize the health industry in a fruitful outcome was the key take away from the keynotes. This symposium provided a platform for the presentation and discussion of cutting-edge research and recent developments in the domain of Bioinstrumentation, Biomedical Devices, Medical Imaging, Biomaterial and Tissue engineering, Biomechanics and Rehabilitation, Internet of Things (IoT), Big data and Machine Learning and AI.



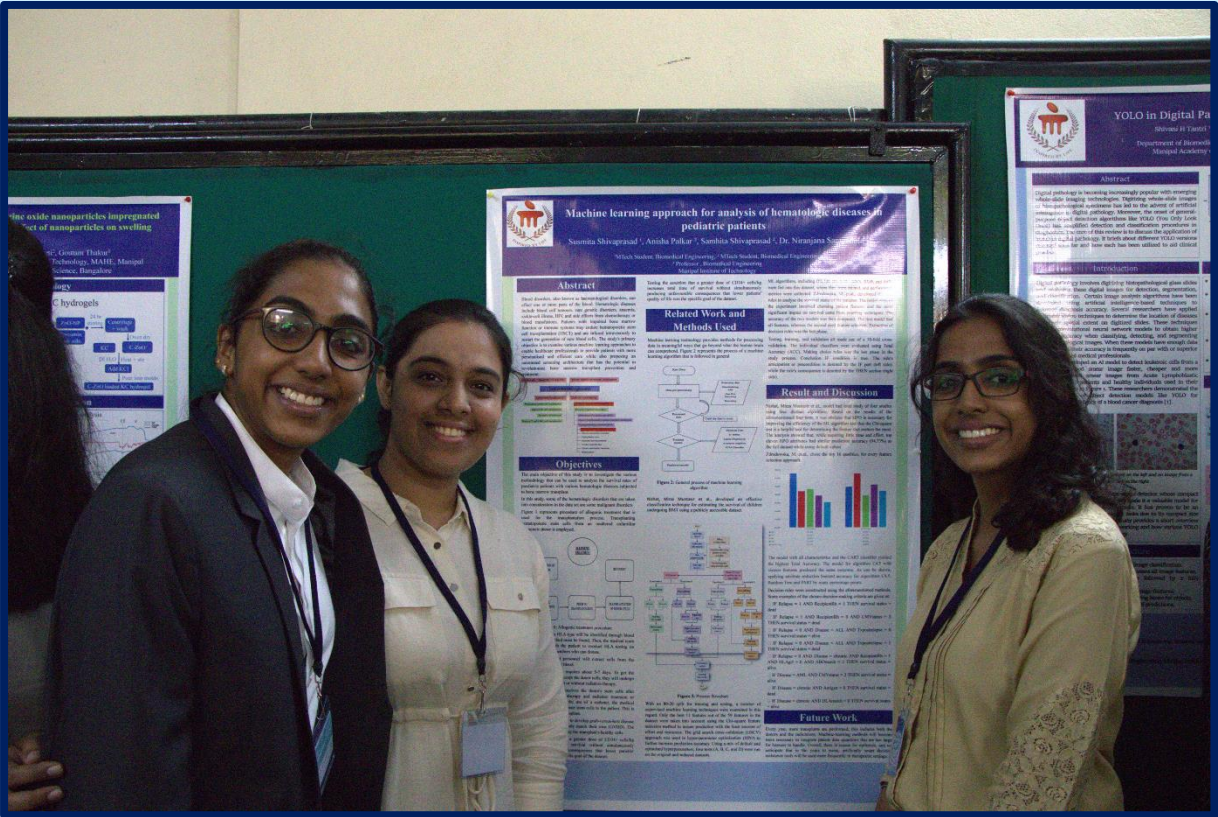
For the poster presentation out of 35 Abstracts 31 were selected for presentation and 30 posters were presented, 18 teams presented Offline and 12 teams Presented Online. About 60 individuals had registered for the event from 11 different institutes of India from Mumbai, Tamil Nādu, Kerala and Karnataka. Total of 40 participants were present Offline at Sir MV Hall for 2 days. The accepted and full-length paper meeting the quality and guidelines will be published in 2 volumes in the Journal of Biomedical Engineering Society of India





The symposium was sponsored by BMESI, Sri Durga Laboratories, General Construction Company, ALKEMe and Bharath Bookmark.







For the Valedictory on 1st April, Dr. Vaishali K, Professor of Physiotherapy MCHP, Manipal Academy of Higher Education, Manipal distributed the participants certificates and honoured the best poster award to the participants, each session

had one best poster award. The 2 days symposium was concluded by delivering the vote of thanks by the Convenor.







MAHENDRA COLLEGE OF ENGINEERING
Salem Campus, Minnampalli, Salem-636106



Two-day workshop

On

**“Demonstration, Application and Troubleshooting of Medical
Equipment (Atheenapandian Pvt. Ltd., Chennai & Courtallam)**

In association with

Biomedical Engineering Society of India (BMESI)

Department of Biomedical Engineering in association with BMESI, at Mahendra College of Engineering, Salem Campus, Minnampalli, Salem organized a Two Day workshop on, ”Demonstration, Application and Troubleshooting of Medical Equipment”, and training was given by, Atheenapandian Pvt. Ltd., Chennai & Courtallam.

Around 70 students of Biomedical Engineering and faculty members participated in this event.

Day 1:

Inauguration:

The inauguration started at 09.30 AM on 16.03.2023 at Seminar Hall, MCE.

The workshop started with prayer song in the presence of Chief Guest, Principal and Heads of various Departments, faculty members and students of Biomedical Engineering. The lamp lighting by the dignitaries was done to inaugurate the workshop.



The welcome address:

The welcome address was given by Dr. S.Rajalaxmi, Head of the Department, Biomedical Engineering. She delivered the welcome address by welcoming the chief guest, Dr.S.Atheena Milagi Pandian, Founder and Managing Director, Atheenapandian Pvt. Ltd., Chennai & Courtallam, Tamilnadu. She also welcomed Dr. N. Mohanasundararaju, Principal and heads of various departments, faculty members and students of Biomedical Engineering.



Felicitation:

Dr. N. Mohanasundararaju, Principal felicitated the gathering with warm welcoming. He also gave a brief note about the importance of medical equipments. He also appreciated the department for organizing the workshop.



Honoring the Chief Guest:

The Chief Guest was honored by Dr. N. Mohanasundararaju, Principal, Mahendra College of Engineering with memento and shawl.



Keynote Address:

Dr.S.Atheena Milagi Pandian made the gathering to be very attentive to his note. He explained about the various opportunities available for the Biomedical Engineer. He also encouraged the students to become an entrepreneur with lots of startup opening available in our country. He gave a brief note about the importance of Physiotherapy and Ophthalmology research.





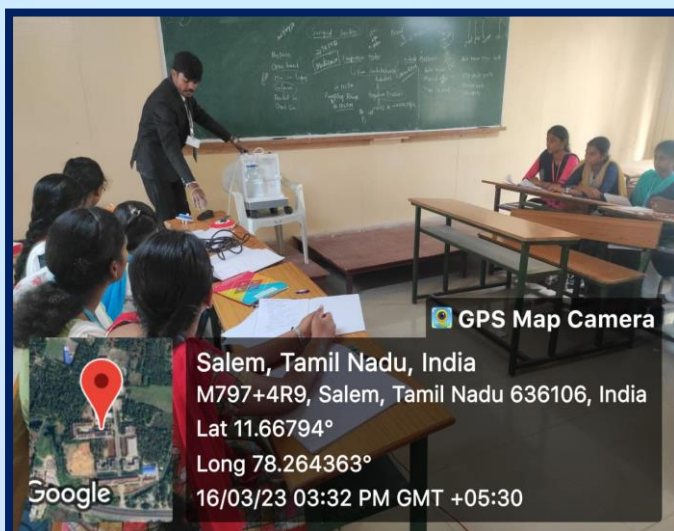
Medical Equipment Training:

Day 1:

The students were divided into 3 batches and each batch was given training separately with the following list of equipment. The equipments including Shortwave diathermy, Defibrillator, Suction pump, ECG machine , Keratometer, Surgical Equipment , Hammer massage, Robotic massage, Respirometer, Jet, Mesh and Ultrasonic Nebulizer, Fingertip wired and wireless Pulse-oximeter, Oxygen Concentrator. Each batch had been trained up with four equipments on the first day and the remaining handled on the Day2 of the workshop.

The students were allowed to dismantle the equipment and were trained to troubleshoot the equipments. They were enriched with practical knowledge of each equipment based on the demonstration of the trainers.

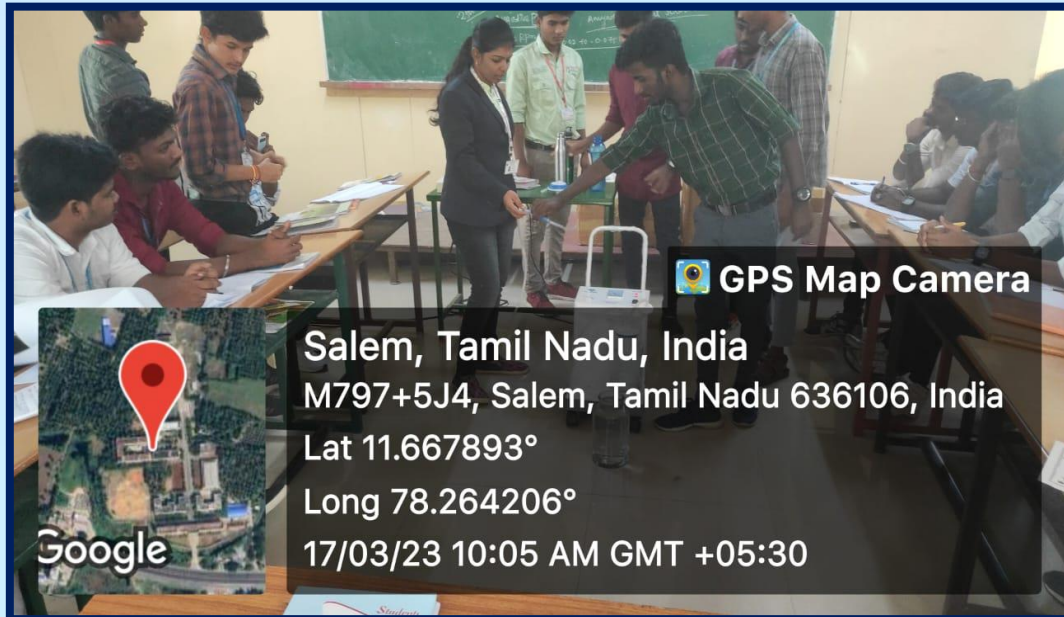
At end of the Day1 training, students were provided with short assessment.



Day 2:

The next day Session started by given training with the training of remaining equipment.

At end of the Day2 training, students were provided with short assessment.



At the end of the workshop (Day2), feedback was collected by the students and trainers about the program. The students were able to analyze the working of the equipment in a deep scale. The students also requested similar programs in future.



DEPARTMENT OF BIOMEDICAL ENGINEERING



ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS)



Dr . M. G. R. Nagar, Hosur-635130

5th NATIONAL CONFERENCE ON “INTELLIGENCE SYSTEMS AND CONTROL IN BIOMEDICAL

ENGINEERING (NCISCBME 2K23)”

Department of Biomedical Engineering, at Adhiyamaan College of Engineering, ACE, Hosur in association with Biomedical Engineering Society of India (BMESI) organized 5th National Conference on Intelligence Systems and Control in Biomedical Engineering (NCISCBME 2K23) on 02nd and 03rd March 2023. Around 52 papers were selected and 170 students and faculty members from Adhiyamaan College of Engineering and Participants from other colleges participated in this conference. The objective of BMESI is to engage patients, careers, clinicians from all disciplines, researchers, educators, and other stakeholders in understanding and improving intelligence systems in Biomedical Engineering.

Inauguration:

The inauguration started at 10.00 AM on 02.03.2023 at Civil Seminar Hall, ACE. The auspicious start of the day was begun by the Tamilthaivazhthu and lighting of the lamp.



The Welcome Address:

The welcome address was given by Dr. T. S. Udhaya Suriya, Head of the Department, Department of Biomedical Engineering. She delivered the welcome address by welcoming the chief guest Dr.R.Anbuchezhian, MS (ENT) and Implantation on Ontology, Senior Consultant ENT, NECK & HEAD, Faciomaxillary Truma and Cochlear Implant Surgery, Kauvery Hospital, Hosur. She also welcomed Dr. G.Ranganath, Principal, ACE and HoDs, faculty members and students from various departments and the participants from various colleges.



Felicitation:

Dr. G. Ranganath, Principal- ACE felicitated the gathering with warm welcome and he emphasized a note on the importance of Biomedical Engineers and motivated the students to achieve great in their career.



Introduction to the Chief Guest:

Mr. K. Thangathirumalai, Final year of Biomedical Engineering introduced the chief guest of the day Squadron Leader Dr. R. Anbuezhian, MS (ENT) and Implantation on Ontology, Senior Consultant ENT, NECK & HEAD, Faciomaxillary Truma and Cochlear Implant Surgery, Kauvery Hospital, Hosur.

Honoring the Chief Guest:

As a token of gratitude Dr. G. Ranganath, Principal-ACE and Dr. T. S. Udhaya Suriya, HoD/Biomedical Department, Adhiyamaan College Engineering, Hosur. Greeted the chief guest with memento



Keynote Address:

The Chief Guest emphasized about the ENT and Implantation in cochlear and the role and Importance of Biomedical Engineers throughout the world. The participants were impressed by his enlightened speech.



Releasing the Souvenir :

The Dignitaries had jointly released the souvenir.



Awards for Academic Toppers:

The toppers of the previous academic year were received awards from the guestand Principal.



The following events were conducted in a series:

Paper Presentation

Poster Presentation

Project Presentation

Inauguration of the Second Day of 5th National Conference:

The inauguration of the second day of the 5th National Conference on Intelligence Systems and Control in Biomedical Engineering (NCISCBME 2K23) started with the same excitement at 10.00 AM on 03.03.2023 at Civil Seminar Hall, ACE.

Welcome Address:

Ms.Vishali & Mr.Suriya from pre-final year started the second day of the conference with a warm-welcome and addressed the gathering. Both of them delivered the welcome address by welcoming the chief guest Ms. D. M. Sobi, Quality Engineer Products & Systems, Philips-Bangalore, India. They also welcomed the HoDs, faculty members and students from various departments and the participants from various colleges.



Honoring Chief Guest :

As a token of gratitude Dr.T.S.Udhaya Suriya, HoD/Biomedical Department, Adhiyamaan College of Engineering, Hosur honoured the chief guest Ms.D.M. Sobi, with a memento and a shawl.



Chief Guest Profile:

Ms. C. Santhiya from pre-final year introduced the chief guest of that day Ms. D. M. Sobi, Quality Engineer Products & Systems, Philips-Bangalore, to the gathering



Chief Guest Presentation:

The chief guest Ms. D.M. Sobi, spoke about the students' role in biomedical companies and she spoke about the medical devices and the future scope of Biomedical Engineering. She also gave Informative points about how the Biomedical companies works and she addressed some information for the freshers. The participants were impressed by her informative and enlightened speech.



Prize Distribution:

The chief guest Ms. D. M. Sobi, had distributed the trophies, medals and certificates for the winners of paper presentation & sports achievers.



Project and Poster Presentation:

Students were given the opportunity to present their projects and were given suggestions regarding their presentation.





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

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