

MEDFLOWER

ADHIYAMAAN COLLEGE OF ENGINEERING
(AUTONOMOUS)
HOSUR, TAMILNADU



DEPARTMENT OF BIOMEDICAL ENGINEERING
BI ANNUAL NEWS LETTER 2021-2022

ISSUE : 01



VOLUME : 03



NEWSLETTER

(For internal circulation only)

PRINCIPAL'S MESSAGE

India is the world's third-largest economic power, with an 8% growth rate. Indian entrepreneurs lead globally, and Indians are among the world's richest. India's knowledge power is sought for outsourcing, becoming a hub for R&D and innovation. At ACE, we nurture leadership and innovation, encouraging positive attitudes and caring for humanity. Empower yourself with knowledge, serve and excel. Have a happy and rewarding student life at ACE, enhancing our institution's pride.



HOD'S MESSAGE



The Department of Biomedical Engineering was established in 2003. Biomedical Engineering applies engineering principles and problem-solving techniques to biology and medicine. This is evident throughout healthcare, from diagnosis and analysis to treatment and recovery. It has entered the public domain through the sudden increase in implantable medical devices, such as pacemakers and artificial hips, and more futuristic technologies like Stem Cell Engineering and 3-D Printing of Biological Organs.

VISION

- To produce competent and creative Biomedical Engineers who anticipate change, communicate and work with others effectively in a globally connected society.

MISSION

- To pursue excellence in Biomedical Engineering by integrating engineering and medicine through education, research and innovation.
- To facilitate the students by introducing technologies for uplifting the society with global standards.
- To nurture students' skill and leadership qualities by inculcating ethical values.

PEOs

I. Our graduates will excel in healthcare sectors and/or higher education with the instilling profound knowledge in mathematical, scientific and engineering concepts.

II. Our graduates will be able to analyze healthcare challenges, design and development of diagnostic, therapeutic strategies with global standards, economically feasible for the welfare of society.

III. Our graduates will emerge with professionalism, ethical and social responsibilities, communication skills, team spirit and leadership as a holistic personality with lifelong learning attitude.

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EVENTS ORGANIZED

International Men's Day



HoD Dr. T. S. Udhaya Suriya with Dr. V. Prameela, HoD, Department of Mathematics, Adhiyamaan College of Engineering, Hosur, inaugurated "INTERNATIONAL MEN'S DAY", held on 26th November 2021.

International Men's Day tries to create a conversation around things like mental health, toxic masculinity, and the prevalence of male suicide. However, the day is not just about celebrating men but also improving gender relations and promoting gender equality.

UNIVERSAL HEALTH COVERAGE DAY



HoD Dr. T. S. Udhaya Suriya with Dr. B.N. Siva Kumar, Professor & Head, Department of MBA, Hosur, Inaugurated "UNIVERSAL HEALTH COVERAGE DAY", 09th December, 2021.

Universal health coverage (UHC) means that everyone, everywhere can access inclusive, quality of health services without financial hardship. It is based on the principle that access to quality of health care should never depend on where you live, how much money you have or your race gender or age.

BIOMEDICAL ENGINEERING DAY



Head of Department, Dr. T. S. Udhaya Suriya along with Professor Yuvaraj Ragnath Singh inaugurated "BIOMEDICAL ENGINEERING DAY" on 21st December 2021, at the Department of Microbiology, Hosur. Prof. Yuvaraj Ragnath Singh appreciated Biomedical Engineers. Biomedical Engineers play a crucial role in various professional settings. In hospitals and clinics, they contribute by maintaining and repairing medical equipment, ensuring the seamless operation of crucial machinery. Additionally, they offer valuable technical support to medical staff.

Biomedical Engineers have opportunities in academia, where they can embark on careers involving teaching and research. Within universities and research institutions, these professionals delve into the exploration of innovative solutions, contributing to the advancement of medical science and technology. This dual role of practical application and academic pursuit showcases the diverse avenues available to biomedical engineers in shaping the future of healthcare.

VALUE ADDED COURSES



- The Department conducted Value Added Course titled "PCB DESIGN AND FABRICATION" by Mr. Rajasekar Elavarasan Technical Director, Raana Semiconductors Pvt ltd, Krishnagiri from 21st to 24th September 2021. The course covered modules on Software installation (proteus), Electrical circuit Connection- basics, Designing the Circuit in software, Hands on training .
- Value Added Course on "Biomedical Curriculum" conducted by Dr. Padmavathi (Gynecologist) between 20th July 2021 to 02nd September 2021, students completed online training and gained knowledge on Biomedical Instruments.

Board of Studies

The department has conducted 25th Board of Studies meeting on 23rd October, 2021 at 10.00 am(Online mode).

- Dr.T.S.Udhaya Suriya, Chairman, BOS/BME
- Dr.V.P.Krishnammal, Member, BOS/ BME
- Dr.N.Bagyalakshmi, Member, BOS/ BME
- Prof.P.Ganesh Babu, Member, BOS/ BME
- Prof.C.Sathish Kumar, Member, BOS/ BME
- Dr.B.Padmapriya, Member, University Nominee.
- Dr.A.Kavitha, Member, Academic Council Nominee.
- Dr.N.Sriraam, Member, Academic Council Nominee.
- Mr.Rodda Koteeswara, Member, Industrial Expert.
- Mr.J.Hariraman, Member, Alumini Representative.
- Dr.S.Sumathi, HOD/ECE/ACE, Inter Disciplinary Expert.
- Dr.V.Manivasagan, HOD/Bio Tech/ACE.

STUDENTS PARTICIPATION

- Padmini.L (III BME) and Mamatha.M (III BME) presented a paper presentation titled “Fiber Optic communication system” at Care College of Engineering, Trichy on 22-10-2021.
- Suriya.V (II-BME) and Vijay Sarathy.S (II-BME) presented a paper titled “Literature review on 3-D bio printing in cancer treatment” in the national-level technical symposium “at Kongunadu College of Engineering, Trichy on September 25, 2021.
- Vijay Sarathy.S(II-BME) presented a paper at Er. Perumal Manimekalai College of Engineering, Hosur in virtual national-level technical symposium on Electrocution in 2021.

ACEDMIC TOPPERS

VII-Semester



MADURA R. S (91%)



KANIHA S (90.8%)



ASWATHY V(90.1%)

V-Semester



SARANYA V(93%)



SOUMYA V(92.6%)



SOUMYA P(92.5%)

III-Semester



ANBARASI M(94%)



JANANI PRIYA R.P(94%)



VIDHYA M(94%)



SNEHA M(93.4%)



KAVITHA S(93.3%)

I-Semester



CHAITRA BAI N(90%)



ASHWINI S(83%)



DANIEL JERROME J(80%)

PHOTO GALLERY



SALIENT FEATURES

- Well-Equipped Laboratories with AICTE Funding.
- Experienced Faculties.
- Outcome Based Education (OBE) is Implemented.
- MoUs with renowned Industries and Hospitals.
- Practical Oriented Teaching and Learning .
- Training for Placement and Higher studies.
- Excellent record of Placement and Higher studies
- Industry attachment Program and Internship.
- Hospital Training has been carried out in Academics.
- Workshops/Seminars by Industry Experts.
- Financial support for Students Innovation.

EDITORS

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