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Department of Biomedical Engineering | EBSA

JULY - DECEMBER 2021



SILIENCE

Biannual Newsletter from Department of Biomedical Engineering VOLUME 8 / ISSUE 2

DEPARTMENT VISION

Emerge as a pioneer in biomedical engineering for providing affordable and accessible biomedical technology.

DEPARTMENT MISSION

Nurture high caliber biomedical professionals by integrating science, mathematics, engineering and medicine through quality education with excellent faculty and infrastructure.

Facilitate extensive hands-on training, interdisciplinary research and innovations by collaborating with medical and industrial experts

Encourage graduates to be socially and ethically responsible biomedical engineers for the betterment of society.

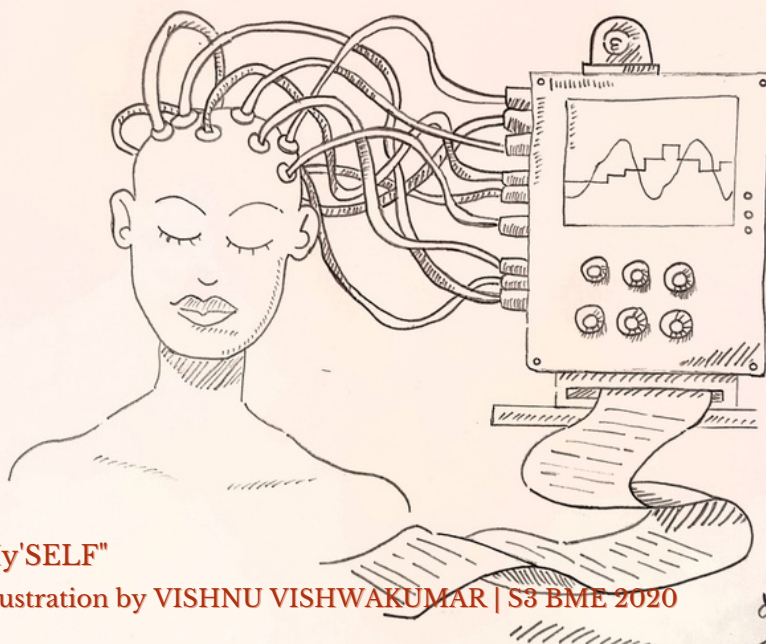
From HODs Desk



Greetings from the Department of Biomedical Engineering. It gives me immense pleasure to see new volume of the "SILIENCE" the biannual Newsletter from Dept of Biomedical Engineering.. Newsletter is all about how the life of the Department is disseminated. In the present scenario, the Department Association EBSA was organizing the event through online and offline platforms without losing the energy and essence. All are neatly available in the news letter. The Newsletter is also enriched with faculty and student achievements and the recent developments in Biomedical Engineering. I want to congratulate and thank all my students, colleagues, and especially the Department Association EBSA for this wonderful effort.

Dr. Finto Raphel

Asso. Professor & Head, Dept of BME



My'SELF"

Illustration by VISHNU VISHWAKUMAR | S3 BME 2020

FROM FACULTY ADVISOR

Dept Newsletter "SILIENCE" is a collection of all the programs and events happened in the dept over the last one year. It is quite inspiring to go through the pages of the newsletter to see the vibrancy and range of the department in terms of the length and breadth in which various events were organized.

This time special attention has been kept in redesigning the layout, adding new columns and incorporating students' contributions. Hope everyone will appreciate the changes.

I would like to thank the Head of the dept, Faculty members and all the dear students for their support and help to bring out this volume in its present form. I also thank the student team behind this venture

Jis Paul, Asst. Professor, Dept of BME



FROM EBSA SECRETARY

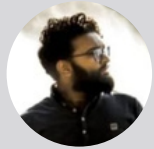
One cannot just wish for a goal and expect to accomplish it. It takes a sequence of efforts to achieve a goal, and as engineering students, each semester was a part in the direction of developing an engineer in us. It was a great opportunity for us to publish the new edition of "SILIENCE"- biannual newsletter of the department of biomedical engineering. As the secretary of EBSA it's my privilege to express my gratitude to the faculty and my friends who have supported and helped me in curating and designing the Newsletter. Hope you all would appreciate the flavor and content of the newsletter

Clinto Martin, EBSA Secretary, Final year BME



STUDENTS ACHIEVEMENTS

- On the 15th of September 2021, Rithika Ranjith of final year BME, represented the college in an event held via an online to honour individuals or institutions for their contributions to the fight against the covid epidemic.



- Sourav Vinaya Kumar and Adarsh Vilson of final year BME were the second prize winners of the Digital Poster Making Competition held by the media club of IEDC of Sahrdaya College of Engineering and Technology on the theme "Say No to Dowry"



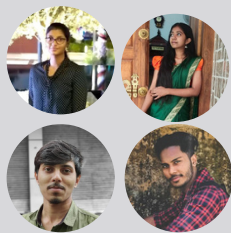
- Kerala Startup Mission has selected the five projects from the BME Department for Innovations Unlocked - Kerala Innovators' Technology Expo (KITE) 2021, which took place from November 22nd to November 26th, 2021.



- Sreeraag P.S and Amarnath P.S of final year BME have won second place for the video challenge contest conducted by Central Library of Sahrdaya College of Engineering and Technology.



- Seekers Chest: An online treasure hunt competition was held by the Department of Civil Engineering in collaboration with IEI and PACE, and a team from the BME Department, consisting of Dwashil Jithedran, Andrea Anthony, Greeshma Nadh, and Adil Umer A H of S3 BM, earned second place.



ALUMNA WISDOM



"Be open to change, get outside your comfort zone, focus on what you can control. Getting to know people, sharing thoughts, and asking questions lead to unexpected ideas and opportunities"

Lulu Mathew

Project Quality Manager, Siemens Healthineers
BME 2002-2006 Batch

FACULTY ACHIEVEMENTS

- BME faculty Mr. Jibin Jose handled the session at Kerala Innovators Technology Expo 2021 held from 22nd to 26th November 2021.
- Mr. Jibin Jose delivered a talk on Health Design Thinking: "An innovative approach in public health to defining problems and finding solutions at AICTE sponsored FDP Advancement of Digital Health and Medical Innovations during pandemic" conducted by the Department of Biomedical Engineering from December 6th to December 10th 2021.
- Sahrdaya College of Engineering and Technology collaborated with TiMed of SCTIMST on a Memorandum of Understanding (MOU) signed on December 1st, 2021 via a virtual event with the departments of Biomedical and Biotechnology Engineering.
- Dr. Yuvaraj V, Associate Professor in the Department of Biomedical Engineering, was a panellist for the panel discussion on "Trends in Human Machine Interface in the Context of Biomedical Instrumentation" held as part of the SPS Forum 2021 on "Trends in Multi-scale Signal and Image Processing for Biomedical Instrumentation" from December 15th to 18th, 2021.
- Dr. Yuvaraj V, Associate Professor from the Department of Biomedical Engineering, gave a talk on "Roadmap to Futuristic Healthcare Technology- Biomimetics and Research Perspectives" on 20/1/2022 at Karpagam University of Higher Education's Department of Biomedical Engineering.
- Dr. Remya George, Ms. Sony N.S, Mr. Jibin Jose, and Mrs. Reshma Jose served as evaluators for the Young Innovators Programme 2020, which was organised by K-DISC and focused on Assistive Technologies.
- Mrs. Reshma Jose, faculty BME, and a group of Final Year BME students (Mr. Antony, Ms. Jumy, Ms. Angel, Ms. Jasmine, Mr. Clinto, and Ms. Rinta) were the finalists for the Augmentative and Alternative Communication (AAC) Device Development Project for the prototype developed in collaboration with the National Institute of Speech and Hearing and APJ Abdul Kalam Technological university.

DEPT/ EBSA ACTIVITIES

06/10/21

A TEAM COMPRISING FACULTIES OF BME DEPARTMENT VISITED NATIONAL INSTITUTE OF PHYSICAL MEDICINE AND REHABILITATION (NIPMR), THRISSUR AND DISCUSSED ABOUT THE POSSIBLE AREAS OF COLLABORATION BETWEEN THE TWO INSTITUTES.



12/10/21

PROF. RESHMA JOSE, DEPARTMENT OF BME WITH A GROUP OF FINAL YEAR STUDENTS (MR. ANTONY, MS. JUMY, MS. ANGEL, MS. JASMINE, MR. CLINTO, AND MS. RINTA) VISITED THE NATIONAL INSTITUTE OF REHABILITATION MEDICINE (NIPMR), THRISSUR TO TEST THE PROTOTYPE DEVELOPED IN COLLABORATION WITH THE NATIONAL INSTITUTE OF SPEECH AND HEARING (NISH).



27/10/21

ON OCTOBER 27, 2021, OFFICIALS FROM THE FLUKE, A BIOMEDICAL COMPANY HELD A DEMO SESSION FOR THE FACULTY OF THE BIOMEDICAL DEPARTMENT ON ECG, SPO2, RESPIRATORY, AND NON-INVASIVE BLOOD PRESSURE ANALYSERS AND ECG SIMULATORS FOR THE ESTABLISHMENT OF A NEW LAB IN THE DEPARTMENT.

22/11/21

AN ALUMNI INTERACTION BY MR. GOKUL OF (2015 BATCH) AND MR. MUHAMMED FAHIS OF (2016 BATCH) WAS CONDUCTED ON 22/11/2021 WHERE THEY BRIEFED ABOUT THEIR EXPERIENCE AS WORKING AS A BIOMEDICAL ENGINEER.

30/11/2021

DEPARTMENT OF BIOMEDICAL ENGINEERING AND THE CREATIVE CLUB HOSTED A TECHNICAL TALK ON BIOPHOTONICS BY DR. N SUJATHA, FACULTY IIT MADRAS.

01/12/2021

NOCCARC CONDUCTED A PRE PLACEMENT TALK FOR FINAL YEAR BME STUDENTS

18/12/2021

THE FINAL YEAR STUDENTS OF BME ACCOMPANIED BY DR. YUVARAJ V AND MS. ARATHY M VISITED RANI MENON EYE HOSPITAL, THRISSUR FOR FAMILIARIZING OPHTHALMIC EQUIPMENT AND INTERACTING WITH THE FACULTY MEMBERS OF THE HOSPITAL.

QUOTE TO QUOTE

Success in creating AI would be the biggest event in human history. Unfortunately, it might also be the last, unless we learn how to avoid the risks.

Stephen Hawking

PLACEMENT ACHIEVEMENTS



NOIL DAVIES
FINAL YEAR BME



RINTA RAJU
FINAL YEAR BME



ANITTA RAPHEL
FINAL YEAR BME



GISNA K S
FINAL YEAR BME



AMAL VARGHESE
FINAL YEAR BME



ANJANA DIVAKARAN
FINAL YEAR BME



GREESHMA SAIRA EAPEN
FINAL YEAR BME



JANVY JOY
FINAL YEAR BME



ANARGHA C P
FINAL YEAR BME



ANNU MARIYA JOSE
FINAL YEAR BME



JASMINE JOHN
FINAL YEAR BME



RITHIKA RAJITH
FINAL YEAR BME



ANNA ROY
FINAL YEAR BME



SWETHA U
FINAL YEAR BME



ANGEL ROSE
CHAKKIATH
FINAL YEAR BME



MARIYA FRANCIS
FINAL YEAR BME



AISWARAYA SHAJAN
FINAL YEAR BME



ANJALI C D
FINAL YEAR BME



MARIYA MATHAN
FINAL YEAR BME



SWETA MANOJ
FINAL YEAR BME



JUMMY JAIMY
FINAL YEAR BME

STUDENTS CORNER



Greeshma Nadh P Gupta

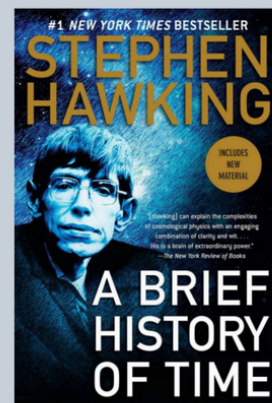
S3 BME

Years before on a day of grey.
When a whole of me was taken away,
all of my pain and grief felt real.
I had to face the worst of my fear.
Like a ray of light, from beneath the blues.
Her eyes were sparky and blue like mine.
She was fetching the shells,
as the shore was washed.
She gave one to me, sat aside me
Then slowly mama said in my ears.
"Someday you'll see how life is more real
and there is beauty in it for a while.
And sometimes
the world will not be so kind.
And you'll hold
the broken pieces of your mind.
But you still gotta hold it all as one
and live your life like there is none.
Make an art that the world will still adore.
Venture far beyond the northern star.
These are the days that would never fade
away,
so don't let it simply slip away.
On that day when life is about to end,
you'll still hold on to the life you lived."
The shell still ring those words in me.
And the life I wish I lived,
is the life I lived.



Josna Wilson | S3 BME

Book to Read



A Brief History of Time by the late, great Stephen Hawking, was first published in 1988 and is one of the most popular science books of all time.

Hawking takes us on a journey through the origin and development of the Universe which is easy to read and has a non-technical format.

Things to know

THE PROCESS OF CREATING AN NFT



What Are NFTs?

A NFT (non-fungible token) is data added to a file that creates a unique signature. It can be an image file, a song, a tweet, a text posted on a website, a physical item, and various other digital formats.

This basically means that someone can own a digital file (and that it's marked with code to differentiate it from any digital replicas).



@anjana_divakaran

Timepiece fell from her hand, the vibration of the glass pieces untied her blindfold everything got stuck, she saw a motionless world, excitedly she ran back to past all those flaws and regret remained same unable to change a little inch she wished those could be deleted. Choices and voices echoed the whole auditorium with one audience and one actor, the play begin from her but its too late to end one because reality was running forward and she stuck on her time.



THE BROKEN CLOCK

Anjana Divakaran | S7 BME



NICE GEORGE M

Nice George | S3 BME

EDITORIAL TEAM

PROF. JIS PAUL | CLINTO MARTIN | JINTO JAMES | AGHNA N M

DESIGN & LAYOUT

SREERAAG P S | ALEX ABRAHAM EAPEN

CONTENT CURATION

ANJANA DIVAKARAN | BERYL PAULSON | GREESHMA NADH

Silience is a biannual news letter published by Dept of Biomedical Engineering in association with its students association EBSA.

Silience carries News, events and achievements of Faculty & students of Dept of Biomedical Engineering.

Copies of Silience is available in Department website and college library. Copies are also distributed through official online channels.

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