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## ABOUT THE DEPARTMENT

The Objective of Biomedical Research is to understand the underline mechanism of diseases and develop innovative solutions for diagnosis treatment and prevention . This field aims to improve health care outcomes by advancing medical technology drug discovery and personalized medicine. Biomedical research also focuses on addressing global health challenges such as infectious diseases and chronic conditions. Collaboration between scientist clinicians and engineers is essential to achieve this objectives. Ultimately, the goal is to enhance human health and well being through scientific discovery and innovation.





Department of Biomedical Engineering celebrated the spectra '23. The chief guest of the function is Mrs.Sujatha. The event was well organized by Dr.Jasmine J C Sheeja, ASP & HOD/BME. The welcome address was delivered by A.R. Aadhira. After that the chief guest introduction was delivered by Ms.Fionna Ananth. The chief guest delivered her priceless speech to the students. After the completion of the inaugural function, the technical events has been conducted. The winner of that competition was Ms.Anushuya and team and the runner award goes to Ms.Monica and team.

## Workshop on PCB Design

The Department of Biomedical Engineering of RCET has organized Medical Workshop on 11.12.2023 and 12.12.2023. Our respected Head of the Department Dr.R.B.Benisha started the program and the guest introduction was given by her. This program was conducted by the team of Mr. Kailash, of Tresbytes from Tirunelveli . The topic was about “ PCB DESIGNING”. First day he gave the basic introduction about PCB boards. Second day he taught us to design the PCB board. The program was finally ended with the Vote of Thanks and it is given by Mrs.Dhanees Surya Jenifer, Assistant professor/ BME, Faculty members and students made-up this program a great success.



## Internship

The Department of Biomedical engineering students went to an internship on 9.10.2023 to 1.11..2023 at Vivek labarotary in Nagercoil and SP Scan centre in Nagercoil. The students have learnt about various equipment usages like sample collection, haematology, pathology biochemistry, histopathology at Vivek labarotary for 15 days. In SP Scan centre they learnt about Magnetic resonance imaging, computerized tomography, ultra sonography, x-ray , for 3 days . This internship has really made a great exposure to the students.





## Industrial visit

Our department of biomedical engineering students has went for an industrial visit to Bangalore and Mysore on 23.9.2023 to 26.9.2023 on 24.9.2023 They visited scan ray industry at Mysore and have learnt about the manufacturing of Medical instrumentations like Defibrillator, Mobile X-Ray , Respiratory care, Veterinary care, in the industry. Students have learnt how the cables are produced and the materials used for manufacturing of medical instruments.



## Pongal celebration

On 12th January 2024 Biomedical department have celebrated Pongal in our college. The celebration was started sharply by 2pm . Faculties and students started the celebration in front of Issac Newton block. All the students wore different colours but in same style which gave us a perfect traditional look. Each and every step of Pongal made the students to involve with lot of curious. Every people have different thoughts but when Pongal swings from the pot the students raised sound with enthusiasm. The department faculties and students have involved in different works to make Pongal, and the result was so sweet as Pongal which made us to know the level of our unity.



## World cancer day



On 4th february 2024, World Cancer day has been celebrated by our department and it has been conducted through online mode regarding the awareness of cancer the program. This event has been held by Institution's Innovation Council (Ministry of HRD initiative), where all the 58 students have participated and our department HOD Dr.R.B.Benisha has started the program and the students of our department shared their knowledge about the awareness about cancer. The program was started at 4.00pm and it has been a 1 hour session as it ended at 5.00pm it was a very useful session for all the students.



## Science expo

The department of biomedical engineering students have participated in the science expo which was held on february 28 in our RCET campus, Our students have submitted about 38 projects while all the 58 students have brought the medicinal plants where they taught the students of other schools and colleges about their uses and students have also submitted the project works they have made. 17 students have made 3d models of brain, heart, kidney, lungs and also human and animal cells which really gave a good experience for the students, They also taught the students about our streams. The science expo was really helpful for our department. The expo started at 11am and it ended at 3pm. The students were happy to be the part of the science expo. Our students have got prices for medicinal plants, 3d models and for their projects too.



## Medical Camp in College



In National Immunization Day(16-03-2024) the RCET biomedical students have conducted a Medical camp at Imperial Hall of Rohini College of Engineering and Technology. They have arranged for blood pressure monitoring, oxygen level monitoring, blood grouping, RBC & WBC count, temperature check, height & weight check, blood sugar level. They have welcomed each and every department of RCET students and faculties. This camp was very useful for all the students. The students have involved in different stage of works. This camp made them to expose the things what they learned. They created the camp with lots of safety measure like using of gloves, mask, sanitizing etc. This medical camp was very useful to verify their body level of RCET Family members.

## Medical camp in Rural areas



On 20-03-2024 the RCET biomedical students have organised a Medical camp with Rotary Club Nagercoil and Dr Agarwal Eye Hospital. The welcome speech was given by Mrs. K.Dhanees Surya Jenifer (AP/BME). This camp was arranged with the help of Mr. P.Jaya Kumar(Vice principal of RCET and Rtn. PHF. A. Selvaraj ( Founder of Rotary Club Nagercoil). This camp was coordinated by Dr. R.B. Benisha(HOD/BME). The students got the help of NCC students of RCET to set the medical Camp The students organized for the checkup like blood pressure monitoring, oxygen level monitoring, height & weight check, RBC & WBC check, temperature check, sugar level check and eye check was done. The camp was very useful and it is a good opportunity to work with Dr. Agarwal Eye Hospital.

# Students Achievements



- On October 14,2023 -Rohini Hackathon was held .Our department students participated in it, they presented a paper related to 3D printer filament Recycling. They won a second prize in Hardware the names are listed below Team Leader- A.R.Aadhira Suleim Team members  
Fionna Ananth, Eldin Rino P,Shahnas M, Renita R, Aslin J
- On 16th March,2024-Sports Day was held. Our Department student participated in it, J. Aslin of II Year BIOMEDICAL ENGINEERING won Second prize on Badminton.
- On October 21st,2023 -Spectra was held . Our Department students participated in it. S. Anushuya of II Year BIOMEDICAL ENGINEERING DEPARTMENT won First prize on Paper presentation. The Topic is related to Bio Printing.
- On October 21st,2023-Spectra was held.Our Department students participated in it, S. Monica of 2nd Year BIOMEDICAL ENGINEERING DEPARTMENT won first prize on Poster presentation, The Topic is IVF
- On October 21st,2023-Spectra was held .Our Department students participated in it, S. Monica of II Year BIOMEDICAL ENGINEERING DEPARTMENT won second prize on paper presentation.

