

JERUSALEM COLLEGE OF ENGINEERING
DEPARTMENT OF BIOMEDICAL ENGINEERING
TWO DAY WORKSHOP WITH HANDS-ON TRAINING SESSION ON
“BIOMEDICAL EQUIPMENT – RESPIRATORY CARE”

REPORT ON WORKSHOP

DATE: 21.03.2022 (4th Year)

22.03.2022 (3rd Year)

TIME: 9.00 a.m to 4.00 p.m

VENUE: LH-28 - Final Year classroom (3rd floor), Jerusalem College of Engineering.

Department of BME organized a Two-day Workshop with hands on training session on “Biomedical equipment - Respiratory Care” on 21 and 22 March (Monday and Tuesday), 2022. Mr. Gaddy Disney Silva, Founder and Proprietor of Radikal Medequip Systems was the resource person. The workshop was conducted for final year students on Monday and third year students on Tuesday, to get hands-on training on the Biomedical Equipment. The resource person was introduced to the students by Ms. C.L. Annapoorani and Dr.R.Anitha, Head of the Department, delivered welcome address to the gathering.

Mr. Gaddy and his team started the first session in the forenoon with interesting applications on equipment and about the need for a Biomedical Engineer in the field. Basics of equipment and also significance of information were discussed. Respiratory care equipment principles of Oxygen concentrators, Nebulizers, Suction pumps, Air mattress and Oxygen cylinders were discussed. The session was interactive between the resource team and students.

The second session in the afternoon was started by dismantling the oxygen concentrator and the other related equipment. Students were separated into eight teams and each team was given a separate device to dismantle and learn. Throughout the dismantling, construction and working mechanism, the team clarified the student’s doubts. Students gained technical knowledge on how to handle equipment in Critical Care. Mr. Gaddy also shared his personal experience on being an Alumnus of JCE. He also added “Be faithful to Biomedical and Biomedical will be Faithful to us”!

We personally thank our CEO, Director, Principal, Deans, faculty members and non-teaching staffs and students of our department for their support in conducting this workshop and producing exposure to such real-time practical devices.

Photos of workshop – first day:



Resource person demonstrating with examples to students



Resource person addressing the final year students



Students dismantling the oxygen concentrator



Final year students analyzing accessories



Students assembling respiratory equipment

Students interacting with the resource persons

