

DeVilbiss
13/9/2019
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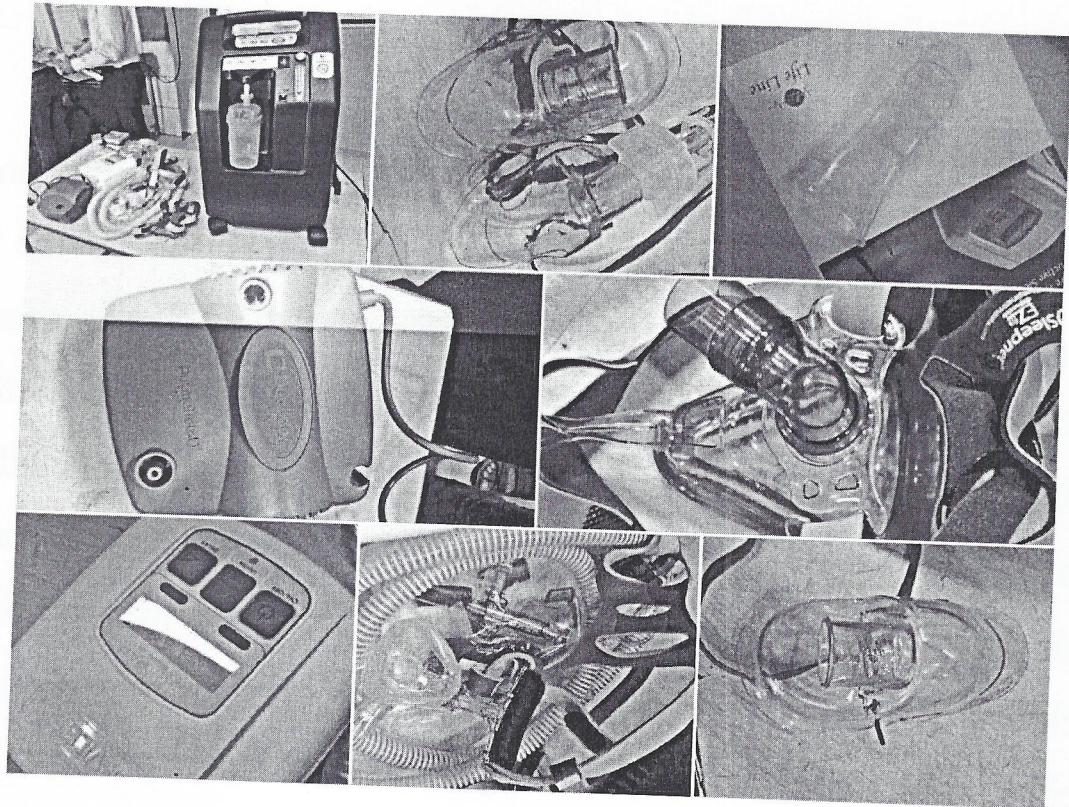
Workshop By DeVilbiss Healthcare Ltd.

A workshop was held on the 13th of September, 2014, Saturday under 'PACEMAKERS' committee of Biomedical Engineering for the SE, TE and BE students. Mr. Chandrajeet Singh, General Manager at DeVilbiss Healthcare under LifeLine systems, was accompanied by Mr. Srikant More, Distributer of Mumbai region. They conducted the workshop on various instruments such as oxygen concentration machine, CPAP (Continuous Positive Air Pressure Measurement) machines, BiPAP (Bidirectional Positive Air Pressure measurement machine and many more. They explained the basic principle and working of various instruments along with their demonstration. DeVilbiss Healthcare is mainly into manufacturing into the above mentioned machines. These machines help in detection of Sleep apnea, which a very severe disorder. Mr. Singh explained how various sleep tests are conducted. Also he demonstrated the working of Nebulizers. Nebulizer is drug delivery machine. It is extremely important for delivering drugs to patients during surgeries and in critical care units. Also the latest trends in the field were discussed. Mr. Singh also solved the doubts asked by our students. Mr. Singh and Mr. More were presented with a certificate of appreciation along with a bouquet by our professor Mr. Vivek Deodeshmukh. The workshop was on something which people aren't aware about and thus, proved to be quite informative.

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COLLEGE OF ENGINEERING
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DEPARTMENT OF BIOMEDICAL ENGINEERING

NOTICE

25/1/2015

TE Biomedical Engineering

A workshop on "ANSYS", by Mr. Yash Shah is arranged on 30th January / 5th / 6th / 9th February 2015. Lectures will be conducted as per the Time-Table apart from workshop timings. Attendance is compulsory for all students.

Manali

Dr. (Mrs.) Manali Godse

HOD

Biomedical Engineering Department

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16th February, 2015

Report on ANSYS Workshop

A workshop on ANSYS was conducted under the guidance of Prof. Vaibhavi Sonetha by Mr. Yash Shah, student of BE Biomedical Engineering. The workshop was conducted on four different days. A batch of 30 students attended the workshop. The students learned to create geometry, mesh the geometry and simulate the system.

The topics that were covered are as follows:

30th January, 2015: Introduction to ANSYS, Applications, Geometry creation in Design Modeler.

- In this session, students acquired the basic skills necessary for performing Finite Element Analysis
- They learned to use the Workbench Parameters Workspace to setup multiple scenarios.
- The class was focused on Geometry creation for performing Structural, Thermal and Electromagnetic analysis.

5th February, 2015: Meshing-types and significance.

- In this session, students learned to produce appropriate mesh for accurate, efficient multiphysics solutions
- They also gained knowledge on the influence meshing has on accuracy, convergence and speed of the solution.


6th February, 2015: Importance of boundary conditions and simulation with results.

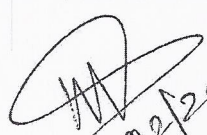
- In this session, the students learned to apply boundary conditions, the final step before simulating for results.
- The session also helped in acquiring knowledge on optimization.

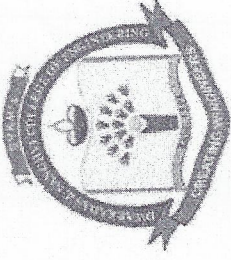
9th February, 2015: Static Mixer and pressure sensor simulation.

- This session, was completely based on learning about the application of FEA in terms of pressure sensor.

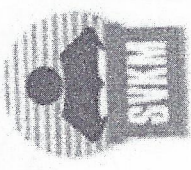
This software can be used in research projects for simulating, designing and modelling systems. It was concluded that the workshop was successful and many such workshops must be conducted in the future.


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16/02/2015



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CERTIFICATE OF PARTICIPATION

Workshop on "ANSYS"

ORGANIZED BY
PACEMAKER'S, DEPARTMENT OF BIOMEDICAL ENGINEERING

This is to certify that

attended the 4 Day workshop on 30th January to 9th
Feb 2014 at

D. J. Sanghvi College Of Engineering, Mumbai-400056

Dr. Manali Godse
HOD (Biomedical Department)

Prof. Vivek Deodesmukh
Faculty In-Charge
(Pacemaker Committee)