



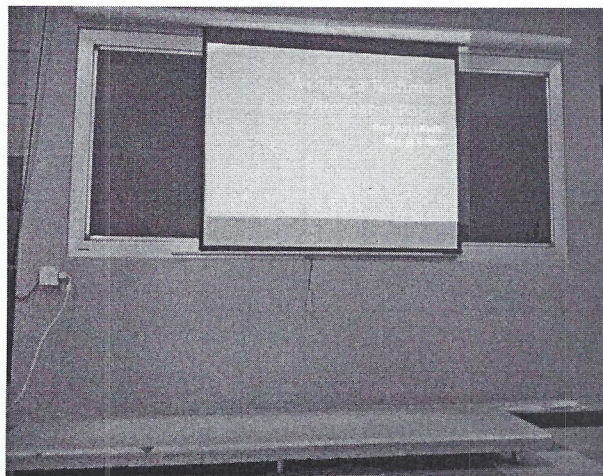
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING

PACEMAKER-STUDENTS' CHAPTER

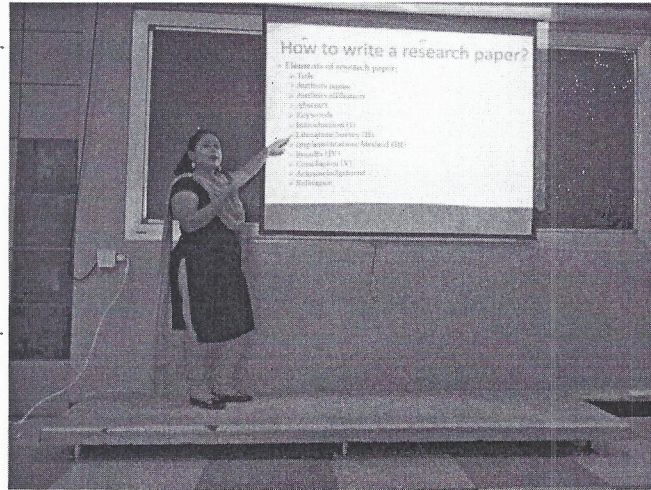
19<sup>th</sup> September, 2016



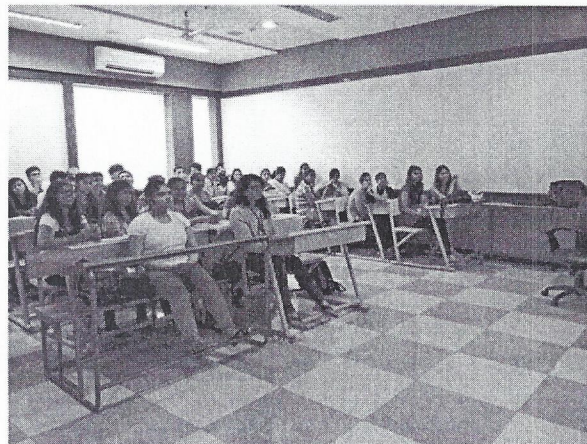
A Seminar on Technical Paper Presentation (TPP) was conducted on the 19<sup>th</sup> of September, 2016 in the Biomedical Department for S.E. & T.E. biomedical students. It was organized with an intention to clear the doubts regarding writing, publishing & presenting a Technical paper. The Seminar commenced at 12 pm and was concluded by 1:30pm. Prof. (Mrs.) Mrunal R. Rane gave a brief introduction about Technical paper, points that would be covered in the Seminar. She also mentioned how writing a Technical paper would be beneficial.



A PowerPoint Presentation was prepared by Prof. (Mrs.) Purva C. Badhe. The Introduction included the following points: what a research paper is, how to write, why to write it, the process after writing a paper and the publishing stage, reviewing and the final Technical paper presentation .It was mentioned that a research paper is an article of your own thoughts based on a thorough analysis of your existing knowledge and exhaustive study of a particular topic of interest and is a medium through which scientists/researchers communicate with other scientists. It also provides credits for your work.



The process of writing a technical paper includes five stages. Namely: pre-writing, writing, revision, editing & proofreading. The pre-writing stage is the scribbling of notes & deciding the flow of the paper i.e. deciding the basic idea of the paper. A standard format should be used for the writing stage. In the next stage the content, structure & style of the paper is to be checked. After this the review and editing should be done followed by checking for grammatical and spelling mistakes. The last stage includes taking the print-out and re-reading the paper for any errors. The elements of a research paper are title, authors name, authors' affiliation, abstract, keywords, introduction (I), literature survey (II), implementation/method (III), results (IV), conclusion (V), acknowledgement, reference. The details regarding each element were thoroughly discussed. A standard journal format should be followed for writing a technical paper. The IEEE format is widely used. Other online templates are also available.



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## Dwarkadas J. Sanghvi College of Engineering

A workshop on the Arduino was conducted for T.E. biomedical students on 18<sup>th</sup> February 2017, (Saturday) by Parth Bhatt. Each group was provided with an arduino to perform various programs and students got their laptops .

The workshop began with an introduction of the functioning of Arduino after which the students downloaded the arduino software for programming . Then Parth explained the use of each section in the arduino and its significance. The students were made to do various programs using arduino software .

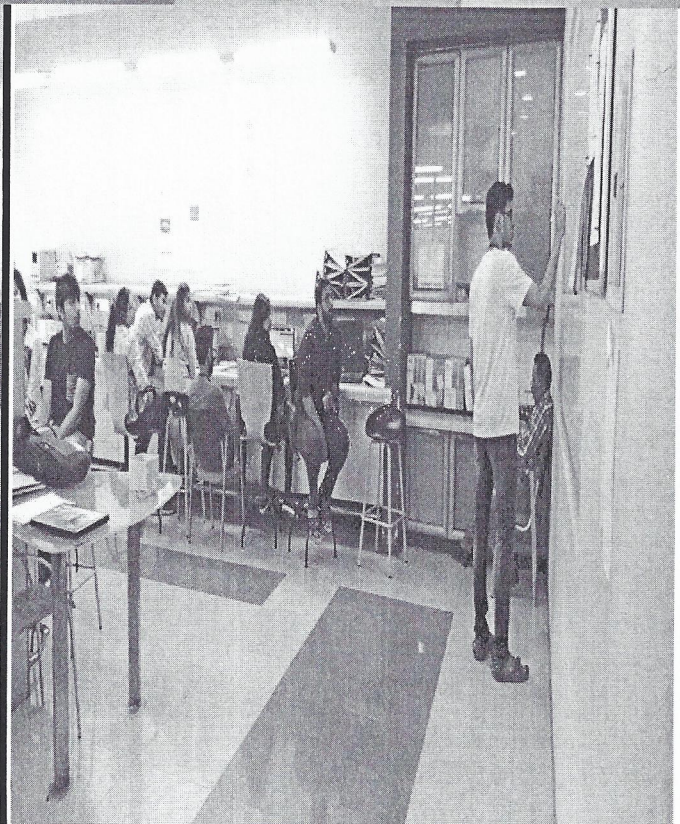
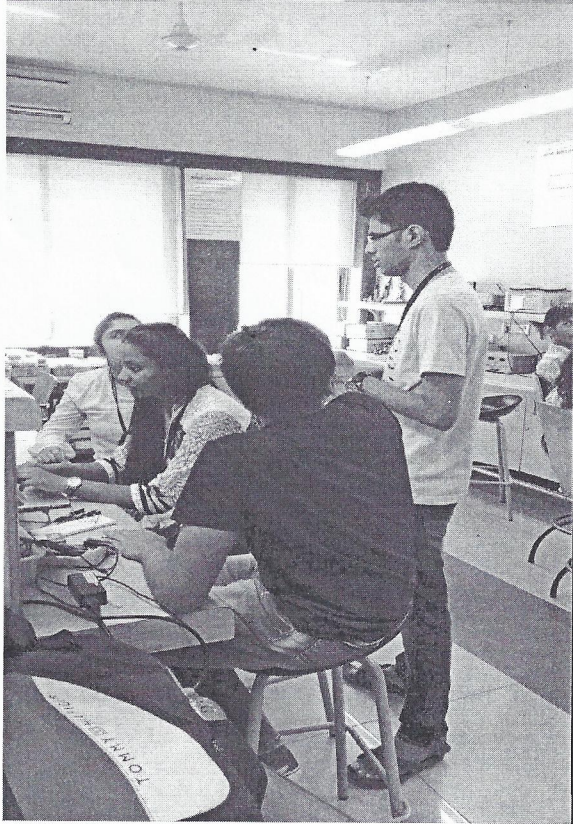


We performed various programs such as Fading with the help of an led which was connected to arduino via breadboard , program based on making the led

ARDUINO 18/2/17  
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on if the user typed A else turn off the led etc. After performing few programs a short

break was given for the students.



After the break the workshop continued by performing a program with the help of potentiometer. The objective of the program was to display the value of the voltage of the potentiometer. The students could see that as the potentiometer value is varied the value which was displayed also changes. The last experiment that was performed was on the basis of 7-segment display.

Towards the end of the workshop students feedback was taken. The overall response was found to be positive



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DEPARTMENT OF BIOMEDICAL ENGINEERING

Symposium on 31<sup>st</sup> March 2017 held by Biomedical Engineering Dept. and student chapter PACEMAKER:

1. Title: A symposium and poster competition on RECENT TRENDS IN BIOMEDICAL ENGINEERING

2. Details of the speakers:

Following speakers were invited for talk.

a. Dr. Vikram Lele

Director, Department of Nuclear Medicine & PET-CT

Jaslok Hospital & Research Centre

Topic: Trends in Nuclear Medicine

Dr. Vikram Lele spoke about clinical application of PET-CT machine

b. Mr. Prasad Hadkar

Deputy Manager - Healthcare Informatics at Philips Healthcare

Topic: Healthcare Informatics

Mr Prasad Hadkar spoke about various current IT technology used by Hospitals

3. Number of participants:

Intra College: 98 ( FE:8, SE: 27, TE:26 and BE::37)

Inter College: 25 ( TSEC: 21, MGM CET: 4)

4. Poster competition was organized in the afternoon where 17 groups participated in competition. The winner were

- Winner in poster competition:

“Drug Delivery System using Polymer Microneedles” by Ms. Bhavya Mehta, Ms. Poorvi Agrawal, Mr. Smeet Doshi



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Ms. Riddhima Kumar Under the guidance of  
Prof. Vaibhavi Sonetha Won Cash Prize of Rs. 1000/-, Trophy  
other Prizes worth 1000/-

- First Runner-up:  
“Radial Pulse Analysis” by Ms Hinal Fifadra,  
Mr. Deval Parikh, Mr. Parth Bhatt Under the guidance of  
Prof. Mrunal Rane won Won Cash Prize of Rs. 750/-, Trophy other  
Prizes worth 500/-
- Second Runner-up:  
“Anti-Tremor Glove” Mr. Rakesh Patel, Ms. Vishwa Shah  
Ms. Harshita Shah Under the guidance of Prof. Manali Godse Won  
Cash Prize of Rs. 500/-, Trophy other Prizes worth 500/-

4. Name of the sponsors:

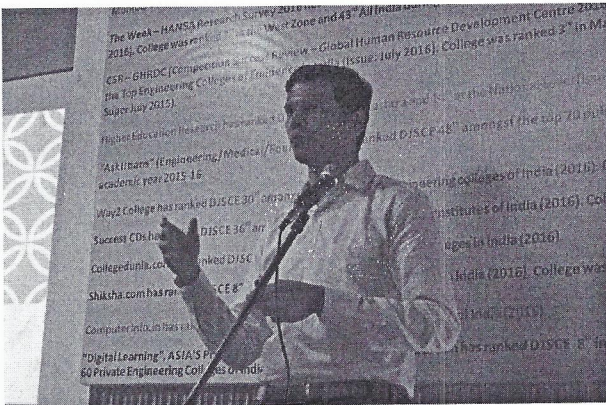
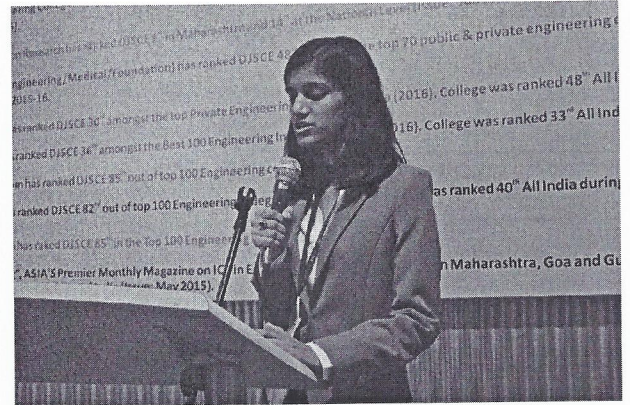
- Vision Optician ( Sunglasses for winners)
- O2 Rise mineral water (Mr.Lopesh Vora) ( 200 water bottles)
- Liberty Salon (Gift vouchers for all)
- MerilLifesciences ( Rs.2250 for winners)
- Healthcare Consultancy (HCS) ( Trophies for winners)



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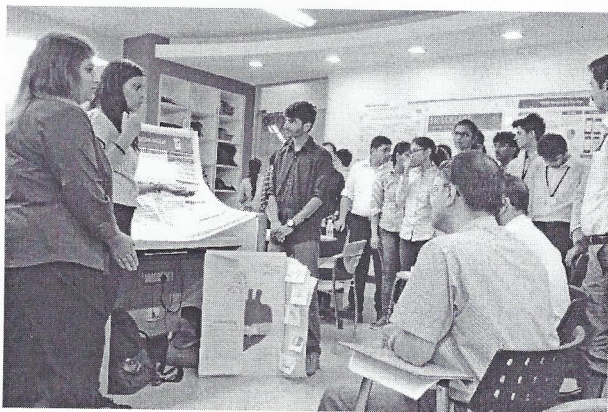
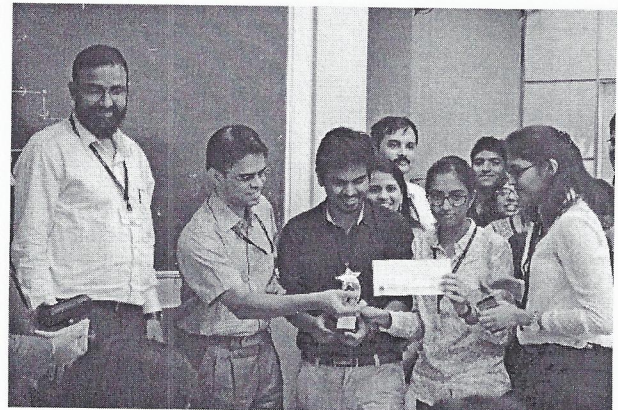
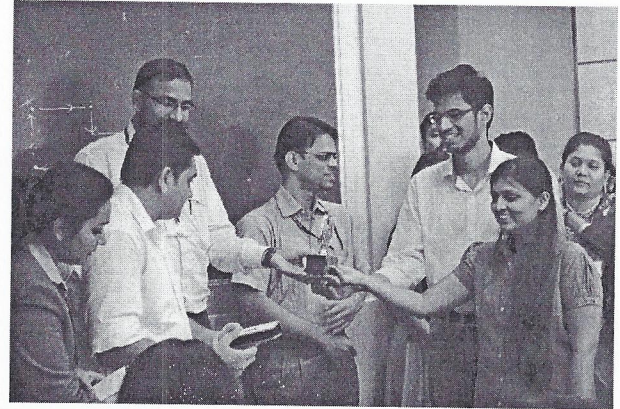




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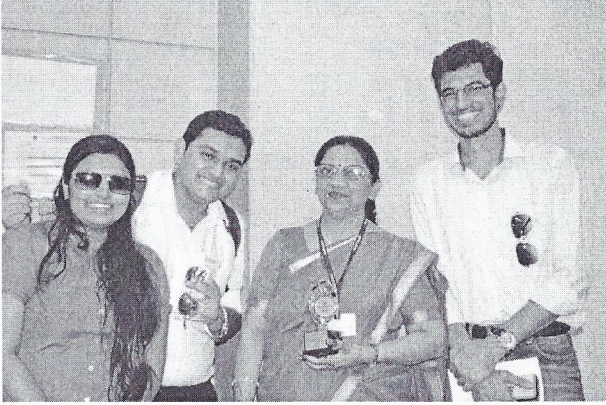




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*M.S.*

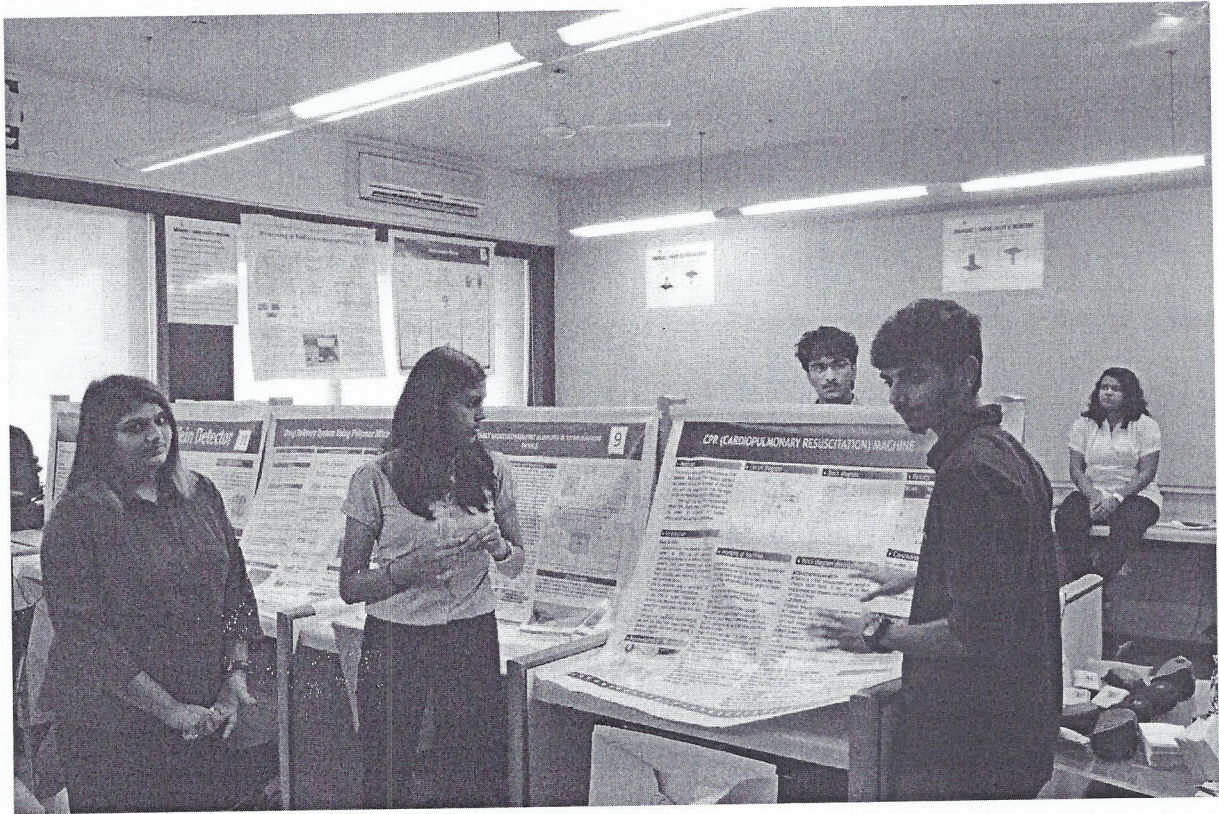
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Poster Presentation  
Competition  
31/3/2017  
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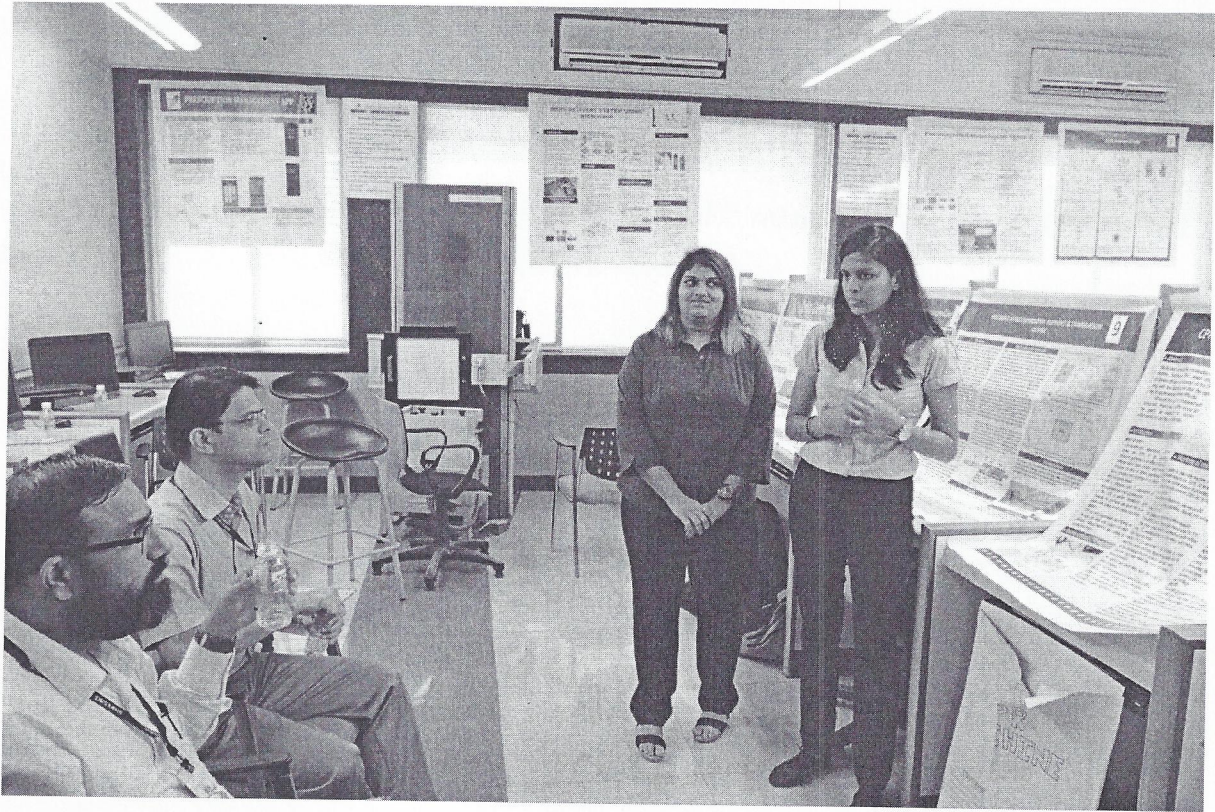
### Poster Presentation Competition

(As a part of the Symposium "Recent Trends in Biomedical Engineering" on  
31<sup>st</sup> March 2017)

Poster Presentation competition was held as a part of the symposium "Recent Trends in Biomedical Engineering" held on 31<sup>st</sup> March 2017. Student groups from DJSCOE, Thadomal Shahani Engg. College, Watumull Institute etc presented their posters on various topics. Dr. Abhijeet Joshi and Dr. Amit Deshmukh judged the students posters and gave them very valuable inputs.



Poster Presentation Competition 3/13/17  
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