

Departmental Report

Physics Department 2015-16

Departmental Activity

- One day workshop on ‘**Laboratory Safety**’ was organized by department on 30th June 2015 in collaboration with Electronics department under DBT star college scheme, sanctioned by Department of Biotechnology, Government of India. Around 35 non teaching staff from all the faculties & outside colleges were participated in the workshop.
- Department had organized a “**Poster and simple model competition**” on Tuesday, 15th September 2015 for all science Faculty students for the celebration of **International year of Light**. Around 35 students were participated in this event.
- Department was celebrated “ **Discovery of gravitational waves** “on 18th February 2016. In this, we have given the information on gravitational waves and discovery of gravitational waves through video.

Staff Achievements

Mrs. Varsha Joshi-

1. Attended Refresher course from 1st July to 21st July in Savitribai Phule Pune University.
2. Participated in “**Avishkar**” Competition held at B.R.Gholap college sangvi.
3. Attended International conference & presented Poster on “opportunities for using smart material in Musical Instruments”.

Mr. Mahendra Waghmare:-

- Sanctioned B.C.U.D. project Rs.4,70,000 on “Synthesis and characterization of Nanoferrites by Solgel method ”.
- Books written-
 1. Atomic and Molecular Physics, text book T.Y. B Sc.(Success publication) with ISBN (978-93-5158-378-3)
 2. Nuclear Physics, text book T. Y. B Sc.(Success publication) with ISBN (978-93-5158-488-9)
 3. Oscillations, Waves and Sound text book S. Y. B Sc.(Success publication) with ISBN ()

Student Activity >>

Study tour-

- F.Y.B.Sc.— Tour was organized on 29th January 2016 at Agro Tourism, Baramati.

Science Exhibition-

Students participated enthusiastically in project , model competition and poster competition of the science exhibition Anubhuti. 60 students participated in the exhibition.

- Kalyani Bhat, Veersen Singh and Ajinkay Balwadkar students of F.Y.BSc. got first prize in poster “ Physics in Car “ at college level.
- Manpreet Kaur and Clinton Singh students of F.Y.BSc won the first prize in model on “Formation of sine wave by using simple pendulum “ at college level.
- Prasad Shelar, Abhishek Waykar and Amol Walke students of F.Y.BSc won the second prize in model on “Hydro Electric power station with turbine “ at college level.
- Arti Kamble, Rushikesh Nigade and Randeer Dubey students of F.Y.BSc won the third prize in model on “Hydraulic lift “ at college level.
- Nachiket kortikar a student of S.Y.BSc won second prize in project competition on “Intensity dilation due to magneto optical Rotation” at college level.

Inter class Competitions—PHYSIQIA - 2016

1. **Physics Quiz** was held on 21st Jan 2016. 08 teams participated in the quiz. F.Y.B.Sc. Biotechnology team was the winner . Shweta pardeshi, Prasanna Sanas, Shweta ,Vaidesuaran and Yashwant Yadav the members of winning team.
2. **Physics Puzzle** competition was held on 21st Jan 2016. 11 teams participated in the event. Samiksha Shetty, Bhagawanti Chaudhari and Shanti Chaudhari students of S. Y. B.Sc. stood first.
3. A competition of **Rangoli based on Physics** Theme was held on 22nd January 2016. 8 teams participated in the event. Vaishali Naik and Priyanka Shinde students of F.Y. B.Sc.Biotech stood first for their rangoli on “Launching of satellite”. Deepali raut and Manpreet kaur from F.Y.BSc. stood second for their rangoli on”Windmill” . Loukik patil and Govind sharma students of F.Y.BSc.Biotechnology stood third for their Rangoli on “Alpha partial scattering “
- 4 **Cartoon Making competition** was held on 22nd January 2016. Total teams participated in event was 12. Samiksha Shetty student of F.Y.BSc Biotechnology stood first prize for her theme on “ Laws of motion “

Kamathe Amruta and Sonawane Gauri from F.Y.Bsc won second prize for their theme on “speed of light”.

Rafat Pathan and Pooja Rathod from F.Y.Bsc won third prize for their theme on “use of electromagnetic spectra”.

Student Achievements

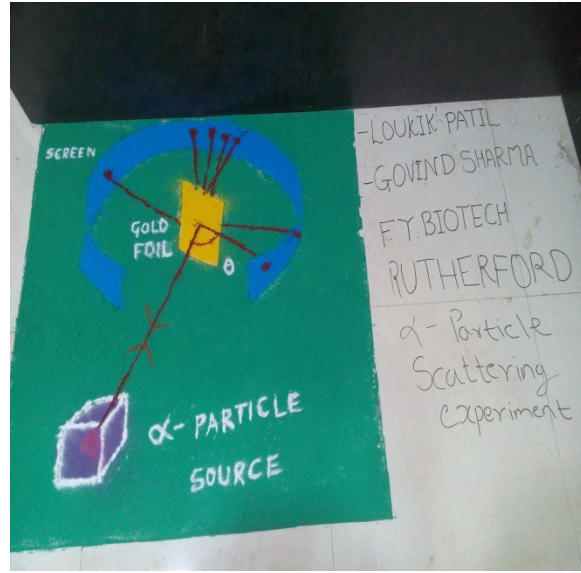
- Pooja Galande a student from T.Y.Bsc Physics attended a lecture on “**Experimental physics**” delivered by a expert H.C Verma at Abasaheh Garware College on 25th January 2016
- Veersen Singh, Harsh Kamble and Pooja Galande, Students of F.Y., S.Y. and T.Y.B.Sc. (physics) participated in inter collegiate quiz competition held by Indian Physics Association , Pune Chapter at Fergusson college on 12th February 2016.
- Pooja Galande, Laxmi Patil and Shalaka Khot students from T.Y.Bsc. physics attended a workshop on “Solar Energy” at B.R.Gholap college on 10th, 11th, 12th Feb 2016.
- Pooja Galande a student from T.Y.Bsc Physics attended a lecture on “**Nanoscience**” at IISER, Pune on 29th Feb 2016.

Mrs. Varsha Joshi
Head of the Department

Activity Photo



Launching Satellite (physics rangoli)



α – particle scattering (physics rangoli)



Laws of motion



use of Electromagnetic spectrum



Science Exhibition



Physics quiz



Study tour- F. Y. B Sc

