

Departmental Report

Physics Department 2014-15

Departmental Activity

- One day workshop on 'Physics in Archaeology' was organized by department on 30th Jan 2015 under DBT star college scheme, sanctioned by Department of Biotechnology, Government of India. Total 96 Students from all the faculties & outside colleges were participated in the workshop. Expert was Mrs. Sheila Mishra, Head department of Deccan College of Archaeology, Pune.
- A guest lecture was organized under DBT star college scheme on 'Computer Simulation & Animation in Simple Harmonic Motion.' By Dr. P. S. Tambade for S.Y. Bsc & T.Y. Bsc Physics students on 23rd January, 2015. Total number of students was 40.
- A hands on Training was organized under DBT star college scheme for F.Y.Bsc & S.Y.Bsc students on 'Education Toys Making'. On 5th Feb, 2015 at IUCAA, Pune University. Total number of students was-40.

Staff Achievements

- Mrs. Varsha Joshi-**
1. Award for "**Best Student welfare officer**" from Savitribai Phule Pune University. (2013-14)
 2. Published an article on '**Role of ICT in Higher Education**' in conference proceeding (20-21 Feb 2015) with ISBN number.
 3. Delivered a lecture on '**Introduction & Scope of Physics & Electronics**' at Shri. Siddhivinayak college, Pune on 7th Jan 2015.

Mahila

Mr. Mahendra Waghmare:-

Attended a workshop on "**Nano Technology & Nano Science**" at C. T. Bora college, shirur, Pune.

Mrs. Chhaya Abnave:- Attended a workshop on "Syllabus reframing of T. Y.Bsc". at B.R. Gholap college on 28th Jan 2015.

Ms. Pooja Raut:- Attended a workshop on "Syllabus reframing of T. Y.Bsc." at B.R. Gholap college on 28th Jan 2015.

Student Activity >>

Study tour-

- F.Y.B.Sc.— Tour was organized on 19th December 2015 at Agro Tourism, Baramati.
- S. Y. B.Sc. and T.Y.B.Sc.—2 days tour was organized on 10th /12th Feb 2015 at Dapoli Krushividyalaya, Energy Park, Farm Equipment testing Centre.
- T.Y.B.Sc- A field visit was arranged at ‘ Anandashram’ talagaon Dhamdhare, Pune on 5th December 2014.
- T.Y.B.Sc and S.Y.B.Sc- A Social visit was arranged for students at “**Kamayani Vidyamandir**”, Pune on 5th January 2015.

Science Exhibition-

Students participated enthusiastically in project and model competition of the science exhibition Anubhuti. 2 teams participated in the exhibition.

Sushrut Madgaonkar, Sujit Gonda, Parmeshwar Pawar of F.Y.B.Sc. got first prize in Project competition at Departmental level.

Inter class Competitions—PHYSIQIA - 2015

1. **Physics Quiz** was held on 13th Jan 2015. 08 teams participated in the quiz. F.Y.B.Sc. team was the winner. Saurabh Gaikwad, Yash Kamble, Harsh Kamble, Sujit Gonda the members of winning team.
2. **Physics Puzzle** competition was held on 13th Jan 2015. 14 teams participated in the event. Pratiksha Chavan, Priyanka Shingade, Rupali Shelke students of S. Y. B.Sc. stood first.
3. A competition of **Rangoli based on Physics** Theme was held on 13th January 2015. 7 teams participated in the event. Rohini Hajgude students of F.Y. B.Sc. stood first for their rangoli on “Free Fall Motion”. Sailaja S. and Rupali Shelake students from S.Y.B.Sc. stood second for their rangoli on “Doppler Effect”. Varsha Janrao, students of T.Y.B.Sc. stood third for their Rangoli on “Einstein’s photo”.
4. **Cartoon Making competition** was held on 14th January 2015. Total teams participated in event was 15. Rohit Kemdhare student of F.Y.B.Sc stood first prize for his theme on “ Physics Laws “
5. **Physics with Fun competition** was held on 14th January 2015. Total teams participated in event was 6. Deepak kumar Mishra, Akash Patil, Rahul Bhosale student of F.Y.B.Sc stood first prize.

Student Achievements

- Shubhangi Dhumal student from T.Y.Bsc Physics participated in “**Mimanca -2015**” at IISER College on 11th January 2015
- Prasad Bhalerao have joined ‘Khagol Vishwa Club’ and done on a project on “**To calculate surface temperature of Sun and Solar energy per unit area**”
- Manoj Narale and Yogesh Jalan student from T.Y.BSc attended 3 days workshops on “**Laptop repairing and CCTV**” on 3rd to 5th FEB. 2015, at B.R Ghole College, Pune.
- Manoj Narale student from T.Y.BSc attended 4 days workshops on “**Hydraulic System**” at L &T Equipments.Ltd, Satara in November 2014.
- T.Y .and S.Y.BSc students attended Lecture on “ Careers in Agriculture for Physics Graduates” by Dr. Dhekale, Reader in Kokan Krishi Vidyapeeth, Dapoli on 11th Feb 2015.

Mrs. Varsha Joshi
Head of the Department

Departmental Report

Physics Department 2012-13

Departmental Activity

- Guest lecture was organized on 6th February 2013 by Dr. Sanjay Dhole, Reader, Department of Physics, University of Pune, Pune on 'Use of Nuclear Radiations for the Society'.
- A State Level Seminar has been sanctioned to the department by BCUD on 'Modeling and Simulation as Teaching Aid' in collaboration with Electronics department.

Staff Achievements

Mrs. Varsha Joshi

- Completed Refresher Course in Physics at Department of Physics, University of Pune between 8 to 28 October 2012.
- Submitted a minor research project to the BCUD.
Topic: Study of Acoustical Parameters of classrooms of different sizes
- Attended a one day National seminar on 'Higgs Boson' held at Abeda Inamdar College, Camp, Pune.
- Attended a University level workshop on Restructuring of Syllabus of F.Y.B.Sc. at Ramkrishna More College, Akrdi, Pune.

Mrs. Chhaya Abnave

- Attended a one day National seminar on 'Higgs Boson' held at Abeda Inamdar College, Camp, Pune.
- Completed a survey during NSS camp on "Consumption of various energy resources by the villagers"

Mr. Akshay Vyas

- Participated in National thin Film Synthesis and Characterisation Conference 2012 held at Yashwantrao Mohite College, Pune and stood First in paper presentation.

Student Activity

Study tour-

- F.Y.B.Sc.—Tour was organized on 8th January 2013 at Vidnyan Ashram Pabal and Tank Museum ,Chand Bibi ka Makbara at Ahamadnagar.
- S. Y. B.Sc. and T.Y.B.Sc.—Tour was organized on 24th July 2012 at Gatha Mandir at Dehu road, Modern Energy park Kanhe Phata and Pavana Dam at Pavananagar under the UGC Scheme.
- T.Y.B.Sc.--- Tour was organized at Aurangabad from 20th to 22nd January. The places visited are Ranjangaon Ganapati Mandir, Bibi ka Makbara, Daulatabad Fort, Ellora caves, Jaikwadi Dam, Paithan Garden (Sound and Light show), Shivaji Museum and Deogad Datta sansthan.

Science Exhibition- Students participated enthusiastically in project and model competition of the Science exhibition Anubhuti. Shubhangi Dhumal and Sonali Pawar of F.Y.B.Sc. got second prize in Project competition for their Digital clock from Fruit. Water Level indicator stood second and Hydraulic Lift Stood third on Departmental level.

The model on renewable and non renewable energy sources stood first at departmental level.

VIVIDHA —Students of T.Y. B.Sc. actively participated in Exhibition vividha by running a food stall.

Inter class Competitions—PHYSIQIA

4. Physics Quiz was held on 30th January 2013. 11 teams participated in the quiz. S.Y.B.Sc. team was the winner .Ganesh Salunke, SuvarnaWalunj and Navnath Hoge were the members of winning team.
5. Physics Puzzle competition was held on 30th January 2013. 9 teams participated in the event. Shivanad Birajdar, Shantanu Gholap and Rupali Aware of T. Y. B.Sc.were the winners.
6. A competition of Rangoli based on Physics Theme was held on 31st January 2013. 7 teams participated in the event. Vaishali Salunke and Pushpalata Rajaskar of S.Y. B.Sc. stood first for their rangoli on Newtons laws of motion.

Student Achievements

1. Mr. Sanjit Deokar, a student of T.Y.B.Sc. was selected to be a member of Pune University team for attending Interuniversity National Youth Leadership Camp organized by Association of Universities New Delhi at Gurunanak Dev University Amrutsar from 7-11 August 2012. He got second prize for Best Disciplined Team.
2. Gaurav Garote, Ganesh Salunke and Rupali Aware, 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 2nd February 2013.
3. Sunil Kale, Parag Hatkar and Ajit Ghadhav participated in state level 'Disaster management'workshor held at B.R.Gholap college, sangvi.

4. Anil Chavan, narayan Shirke , kirti Bhopale and Nilima Kabble of S. Y. B.Sc. attended one day workshop on 'How to Enjoy Physics'held at SP College Pune.
5. Santosh Gange, Rupali Aware,Swapnali Dhangar participated in Yuva Jagar abhiyan held at sangvi, pune

Mrs. Varsha Joshi
Head of the Department

Departmental Report

Physics Department 2013-14

Departmental Activity

- One day workshop on 'Telescope and Amateur Astronomy' was organized by department on 6th Feb 2014 under DBT star college scheme, sanctioned by Department of Biotechnology, Government of India. Total 65 Students from all the faculties were participated in the workshop. Mr. Mayuresh Prabhune of Khagol Vishva Conducted the workshop.
- One of our past student Mr. Pavan Survase delivered a lecture to our T.Y.B.Sc. students about the selection of project & how to carry out it.
- Miss. Shweta Kulkarni and Mr. Nachiket Kortikar presented a slide show on Basic Astronomy.

Staff Achievements

Mr. M.D.Waghmare attended a refresher course in experimental physics at Vidya Pratishthan College, Baramati, Pune.

Student Activity >>

Study tour-

- F.Y.B.Sc.—Tour was organized on 7th January 2014 at Sugar factory Pargaon,.Pune and Shivneri fort at Junnar,Pune.
- S. Y. B.Sc. and T.Y.B.Sc.—2 days tour was organized on 21/22th Jan 2014 at Diveagar and Janjira fort in Konkan

Science Exhibition-

Students participated enthusiastically in project and model competition of the science exhibition Anubhuti. Total 30 teams participated in the exhibition.

Swapnil Shevkari, Yogesh Jamdade & Dattatray Sawant of S.Y.B.Sc. got first prize in Project competition for their project “**Effect of different colors of light intensities on stridulation of Black cricket**” on Departmental level.

Inter class Competitions—PHYSIQIA

7. Physics Quiz was held on 3rd Feb 2014. 11 teams participated in the quiz. T.Y.B.Sc. team was the winner .Chetan Sarvade, Prashant Mohite, Suryakant Bhalerao the members of winning team.
8. Physics Puzzle competition was held on 3rd Feb 2014. 10 teams participated in the event. Gaurav Gharote, Priyanka Ubale, Shubhangi Dhumal students of S. Y. B.Sc.were the winners.
9. A competition of Rangoli based on Physics Theme was held on 3rd January 2013. 9 teams participated in the event. Vaishali Salunke and Dhanashri Gawari students of T.Y. B.Sc. stood first for their rangoli on Satellite Communication. Sonali Bhorekar, Radhika Wagale students from F.Y.Biotechnology stood second for their rangoli on Compound Microscope. Varsha Janrao, Akanksha Chakale students of S.Y.BSc. stood third for their Global Cooling

Student Achievements

- Sunil Kale student from T.Y.Bsc attended a 10 day camp of NCC ‘CATC 720.’
- Prashant Mohite, Suryakant Bhalerao have joined ‘Khagol Vishwa Club’ and are working on a project on Light pollution & Lunar
- Ms. Ashiya Pathan student from T.Y.BSc participated in “Avishkar” Zonal level project competition, Pune district.

Mrs. Varsha Joshi
Head of the Department