

# Departmental Report 2016-17

## Physics Department

### Departmental Activity:

- On 21<sup>st</sup> September 2016, a guest Lecture by Dr. Sadhana Natu was organized for T.Y. B.Sc. students on “Life Skill Management”.
- Department had organized a skill development course titled “**Repair and maintenances of electrical home appliances**” during 26<sup>th</sup> September 2016 to 5<sup>th</sup> October 2016 for all Faculty students. Mr. Sanjay Sawant and Mr. Nasir Shaikh from Govt. ITI, Aundh, Pune were the resource persons.
- Department celebrated an alumni meet on 24<sup>th</sup> September 2016.
- To help F.Y. B.Sc. students understand the basic concepts in physics, small educational video clips were displayed and discussed along with the regular practical sessions.
- Survey of electricity consumption was conducted by the department for energy audit.
- Department had organized a workshop on “**Advance Synthesis Methods**” during 7<sup>th</sup> December 2016 to 30<sup>th</sup> December 2016 for T.Y. B. Sc. Physics students under DBT star college Scheme, Government of India, New Delhi. Dr. Jayashree Pant and Dr. Sopan Rathod, Department of Physics, Abasaheb Garware College, Pune, Dr. Mukula Kulkarni, Department of Chemistry, Modern College, Ganeshkind were the resource persons.

### Staff Achievements:

- **Mrs. Varsha Joshi-**
  1. Online course “**Learning physics through simple experiments**” by Dr. H.C. Verma was completed successfully during 20 September 2016 to 20 November 2016.
  2. Attended National conference titled “**Environment and Development**” on 9<sup>th</sup> and 10<sup>th</sup> September 2016 at B. N. Purandare College, Lonawala.
  3. Attended State Level conference titled “**Role of E-learning in Higher Education**” on 29<sup>th</sup> and 30<sup>th</sup> September 2016 at B. R. Gholap College, Sangavi, Pune.
  4. Delivered a lecture to the students of F.Y, S.Y., T.Y.B.Sc. on the topic “**Sound**” on 4<sup>th</sup> Feb.2017 at Dr. Arvind B. Telang Sr. College of Arts, Science and Commerce, Pune.

- **Mr. M.D. Waghmare-**
  1. Attended one day State Level seminar titled “**Characterization Techniques in materials (CMT- 2017)**” on 9<sup>th</sup> February 2017 at Annasaheb Mager Mahavidyalaya, Hadapsar, Pune.
  2. Published an abstract on ‘**Syntesis and characterization of Dy<sup>3+</sup> doped Ni-CO Nanoferrite**’ in conference proceeding with ISBN number 978-93-84659-14-1
  3. Participated in 6<sup>th</sup> International Science Congress (ISC-2016) 8<sup>th</sup> and 9<sup>th</sup> December 2016 held at Hutatma Rajguru Mahavidyalaya, Rajgurunagar ,pune.
  
- **Mrs. Chhaya Abnave-**
  1. Online course “**Learning physics through simple experiments**” by Dr. H.C. Verma was completed successfully during 20 September 2016 to 20 November 2016.
  2. Participated in a workshop “**Joy of Learning Physics through Demonstrations**” at Mahatma Phule Mahavidyalaya, Pimpri,Pune.
  
- **Mrs. Archana Gadre-**
  1. Online course “**Learning physics through simple experiments**” by Dr. H.C. Verma was completed successfully during 20 September 2016 to 20 November 2016.

### Students’ Activity:

- **Students Achievements:**
  1. A student of T.Y.B.Sc. Harsh Kamble attended “**Summer school in physics**” programme (SSP2016) conducted by and at Dept. of Physics, SPPU, Pune. from 9<sup>th</sup> to 20<sup>th</sup> May 2016.
  2. Students of T.Y.BSc Mr. Sangram Gholap and Mr. Kalpesh Mahamunkar Presented a poster titled “ **Antimicrobial Activity using Electrical Impedance; a Biological Approach** “ in Avishkar 2016, Zonal Level Research Project Competition of SSPU held at SP College Pune on 19 -12-2016
  3. A Student of T.Y.B.Sc. Miss. Ruttika Kedare Presented a poster titled “**Plastic Bricks** “in Avishkar 2016, Zonal Level Research Project Competition of SSPU held at SP College Pune on 19 -12-2016
  4. Mr. Nitin Bhosale and Ruttika Kedare attended a Guest lecture titled “**Solar Energy**” on 25<sup>th</sup> November 2016 at F.C. College, Pune.
  5. Miss. Rutticka Kedare of T.Y.B.Sc. and Mrs. Varsha Joshi presented a research paper ‘**Development and Analysis of Bricks made from waste Plastic Bags: Plastic Brick**’ at the international conference on GO Green organized by C.T.Bora College, Shirur on 12-13 January 2017

6. The students of T.Y.BSc. Harsh Kamble, Yash Kamble, Rutticka Kedare and Prajwal Pagar attended three days' workshop titled "**Frontiers in Physics**" on 3,4,5<sup>th</sup> February 2017 at F.C. College, Pune.
7. The students of T.Y.BSc. Rutticka Kedare and Prajwal Pagar attended two days International Conference on "**Go Green**" on 12 and 13 January 2017 at Chandmal Tarachand Bora College, Shirur, Pune.

- **Science Exhibition**

Students participated enthusiastically in project, model competition and poster competition of the science exhibition Anubhuti. 30 students participated in the exhibition.

- Harsh Kamble and Yash Kamble students of T.Y.BSc. got first prize in poster "Hearing Prosthesis" at college level.
  - Rutticka Kedare a student of T.Y.BSc won the third prize in poster on "Plastic brick" at college level.
  - Nachiket kortikar a student of T.Y.BSc won second prize in project competition on "Slayer exciter Circuit" at college level.
- **Field visit-** F.Y.B.Sc. and S.Y.BSc.— Visit was organized on 30<sup>th</sup> September 2016 at Govt. ITI, Aundh, Pune.