

Department of Electronics
Report for Akansha: 2017-2018

1. Academic Activities:

A. Workshop:

1) Department has organized Science Academies' Lecture Workshop on "Smart Materials and Future Technologies for Sustainable Development", on 16th and 17th January, 2018. **One hundred and twenty participants** from sixteen different colleges in the vicinity of the college attended the workshop. Dr. Sulabha Kulkarni from Center for Materials for Electronics Technology (CMET), Panchwati, Pune worked as convener while Prof. Vaishali Salunke from the department worked as a coordinator of the workshop. Dr. Gopinath C. Subramanian, Principal Scientist working in Catalyst Division of National Chemical Laboratory, Dr. Dilip G. Kanhere, SPPU, Pune and Dr. B.B.Kale, Director, CMET, Pune were the dignified speakers from established research institutions.

2) Board of Students' Development, Savitribai Phule Pune University sanctioned district level hands on training workshop of three days titled "Interfacing Sensors to Arduino Board and Applications". **Thirty Eight** students from six different colleges from Pune District participated in the event. Mr. Z.V. Patil from BICARD training institute, Shivajinagar, Pune worked as a expert trainer for the workshop.

B. Guest Lecture :

1) **Dr. Supriya Patil, from Garware College**, delivered lecture on "Optical Fiber Sensors and Applications" on 16th February 2018. She shared her research products which are applied in industries. **153 students** attended in the guest lecture.

C. Industrial Visit:

1) Industry Visit to MINILEC pvt. Ltd., Pirangut was arranged by the department on 10th Aug. 2018. Along with specific product manufacturing process, students were exposed to transformer winding process, PCB manufacturing unit, spray painting unit and standard product testing methods. Sixteen Students of B.Sc. Comp.Sc. visited the industry. H.R.manager Mr. Manoj G. presented the profile of the industry and guided the students about the opportunities in their industry. CEO of the industry Mrs. Ghaisas shared success

story of the industry. Also a discussion was done on the reforms that should happen in the current syllabus. Sixteen students participated in the event.

2. Extracurricular Activities:

- Training on Circuit Assembly Techniques is imparted to all the F.Y.B.Sc. Comp.Sc. and Electronic Sc. students as an activity conducted under DBT STAR status scheme to strengthen the basic technical skills of the students .
- Project, Poster and Model presentation was organized at department on 10/1/18, as part of Science Exhibition activity "ANUBHUTI" of Science Association of the college. Twenty Five Students of B.Sc. Electronics and Computer Sc. participated in the event.

3. Staff achievements:

1. Dr. Saroj Hole:

- Selected as Editorial Board Members for the International Journal Of Nanoparticles & Nanotechnology
- A biographical-note is included in Famous India :Nation's Who's Who an yearly publication by Reguerd on Inc.,1369,Kashmeri Gate,Delhi-06

2. Dr. Varsha Bapat:- Delivered Key Note Address as Chief guest of 3rd Convocation Ceremony of Swaraj College of Commerce and Computer Sc.

3. Mrs. Pradnya Pathakji:-Completed orientation course with 'A' grade organized by Academic Staff College of Savitribai Phule Pune University 1st Sept. to 28th Sept. 2017

B. Publications:

1. Dr. Saroj Hole:

- Presented paper on "Analytical study of diabetic control through daily meal planning and exercise" in National Conference on the Advanced Computer Science and Information Technologies organized by department of Computer Sc. of the college during 29th -31st December, 2017.
- Paper is published on "Laser applications in various fields" at National conference at Hyderabad.

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2. Mrs. Bhadane M.P.:

- A paper on “An Electronic Attendance System to Record Students’ Presence in the college using ARDUINO UNO” in National Conference on the Advanced Computer Science and Information Technologies organized by department of Computer Sc. of the college.

3. Mr.Kumbhar D.S:

- A paper on “Development of Wireless Electronic Voting Machine as an Effective Enhancement of Voting System Security” published in an international journal on **Future Revolution In Computer Science and Communication Engineering. :ISSN No. 2454-4248 109-112 Vol. 4,Issue:4**
- A paper on “Identification of spices by Electronic Nose using pattern recognition technique” published in an international journal on **Future Revolution In Computer Science and Communication Engineering. :ISSN No. 2454-4248 pg. no. 243-250 Vol. 4,Issue:3**
- A paper on “Development of Portable Optical Sensor Based System for Detection of Phosphate in Wastewater”, published in an international conference on advances in Functional Materials held on 12,13 January 2018 held at KTHM, College, Nashik.

C. Training Programs Attended :

All the staff members of the department attended

1. Faculty development program organized by the college during 23rd June to 1st July 2018. Lectures on the topics Role of Teachers in College Administration by Nandkumar Nikam, Role of Teachers in College Administration by Dr. Arun Adsul, How to communicate effectively with the students by Dr. Ashok Thorat and Role of Teachers in interdisciplinary Research by Dr. Bhosale were organized on 23rd,24th,30th June ,1st July 2017 respectively .
2. Faculty development program organized by the college on 29th September 2017. Dr. Beena Inamdar Guided the teachers on the topic “Teachers and Teaching Profession”.

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D. Workshops/Seminars attended :

1. **Mrs.Varsha Bapat and Mrs. Pradhnya Pathakji** attended Two Day National workshop on 'Use of Appropriate Software in Mathematical Modeling and Statical Analysis" organized by Department of Mathematics of the college on 9,10 February , 2018.

E. Extension Activity:

1. Demonstration of Wireless Voting Machine was arranged for the students of Political Science on the occasion of Voter's Day.
2. Students' Council Election Procedure was assisted with the Wireless Voting Machine developed by the students of the department.
3. **Mrs. Mrinalini Bhadane** : Delivered Guest Lecture on "Computer Hardware and Peripherals" to F.Y.B.Sc. Comp. Sc. Students of D.Y.Patil College of Arts, Science and Commerece, Pimpri .
4. **Dr. Varsha Bapat**: Delivered Guest Lecture on "Applications of Wireless Sensor Network" to S.Y.B.Sc. Comp. Sc. Students of D.Y.Patil College of Arts, Science and Commerece, Pimpri .

4. Students' Achievement:

1. **Industrial Training:** Pradyumna Shivtare a student of S.Y.B.Sc.Comp.Sc. has completed extensive training on PCB manufacturing process during 27th October to 6th Nov. 2017 from Shogini Technoarts Pvt. Ltd.,Pune.
2. **Mr.Mayur Thakur (F.Y. B.Sc.(Comp.Sc.) and Saurabh Gaikwad (F.Y.B.Sc.(Comp.Sc.)** Research paper titled 'An Electronic Attendance System to Record Students' Presence in the college using ARDUINO UNO' in National Conference on the Advanced Computer Science and Information Technologies organized by department of Computer Sc. of the college.Students secured **First prize** for their paper presentation.



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