



Annual Report 2022-23

Department of Electronics

- **Diagnostic test**

Objective-To assess learning level of students

Practice- The electronics department conducted online diagnostic test for F.Y. B.Sc. C.S. and S.Y.B.Sc. C.S. during 12/11/2022 Number of participants: $58 + 27 = 85$

Outcome- Teacher could device teaching methodology.

- **Remedial coaching**

Objectives: To teach as per student requirement. To inculcate foundation for electronics subject.

Practice: The subject area where students lag is found with diagnostic test and class discussion. The essential basic concepts were taught. The remedial coaching was organized during 10/12/2022 to 16/12/2022. Total 27 students participated the coaching.

Outcome: The foundation for electronics subject was developed.

- **Power point presentations by students:**

Objectives: Self-learning and presenting knowledge precisely

Practice: The students of S.Y.B.Sc. Computer science prepared and presented power point presentation on recent trends in computronics. The activity was conducted on 16 /04/2023.

Outcome: Students were able to self-learn and present a new concept.

- **Hobby Project :**

Objectives: Learning by doing.

Practice: The students of F.Y.B.Sc. Computer science constructed various hobby projects. The activity was conducted on 10 /05/2023. Twentifive students participated the activity.

Outcome: Students were able to construct the new circuit.

- **Societal survey:**

Objective: To develop scientific approach and social consciousness among students through societal survey

Practice: The students were motivated and trained to conduct the online societal survey on various topics related to social issues.

The students of SY BSc CS conducted survey through online mode and submitted the report during semester 1.

Outcome: The students were made aware of scientific methods and thinking.

- **E-poster competition:**

Pune District Education Association on the occasion of the birthday celebration of the most respected leader of India Padmvibhushan Sharadchanaji Pawar Saheb ,organized the “E-poster competition” on **27th December 2022** through online mode . **Fifty** posters were presented by the students of **eleven** various senior colleges comprising Arts, Commerce, and Science, Pharmacy, Ayurveda and Architecture faculty under the flagship of Pune District Education Association. Dr Sanjay Cholke Vice Principal Anantrao Pawar College , Pirangut , Prof . Archana Mali Ramkrishna More College ,Akurdi and Prof. Vidyashree Kothavale A P College , Pirangut examined the posters through zoom online platform . Three posters applauded for their performance

Senior Section:

- 1) Shubham Ahire M.Pharm. SGRS college of pharmacy, Saswad
- 2) Aditi Patil M.Pharm. SGRS college of pharmacy, Saswad
- 3) Suraj Shirale S.Y.B.Sc. (C.S.) Mamasahab Mohol College ,Pune.

Junior Section:

- 1) Sanskriti Mundhe 12th Science Annasaheb Waghire College , Otur.
- 2) Gauri Choudhari D.Pharm. Shankarrao Ursal College of Pharmacy, Kharadi.

And

Akshay Gaikwad D.Pharm. SGRS College of Pharmacy(Polytechnique), Saswad.

- 3) Sanika Sukale 11th Science Annasaheb Waghire College , Otur.Dr. Sapana Rane Coordinated the event.

- Head of the Department Dr Sapana Rane has got recognition as research guide in the subject of Electronic Science and Computer Science during the academic year of SPPU.

•Research papers published by Dr Sapana Rane:

Sr.No.	Title of paper	Name of Journal	Vol Issue	ISSN
1	NEP 2020: Implementation with special emphasis on Higher Education	Journal of Oriental Institute UGC care approved group 1	Vol 72,Issue 01 No2 2023	0030-5324

- Dr Sapana Rane Published following Books:

E Books:

Sr. No.	Title of the Book	Co-Author	Name of the Publisher	Month, Year of Publication	ISBN No.
1.	Principles of Digital Electronics	-	Lulu ,USA	4 th June 2022	9781387899395
2.	Gas Sensor : Metal-Metal oxide nanostructures for room temperature thin/thick film hydrogen gas sensor application	01	Lulu ,USA	6 th June 2022	9781387895601

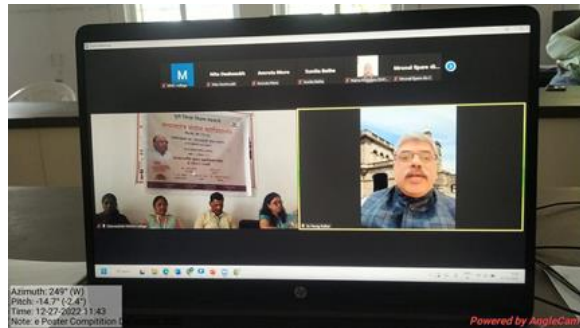
Chapter in Book:

Sr. No.	Title of the Book	Co-Author	Name of the Publisher	Month, Year of Publication	ISBN No.
1.	Handbook of II-VI Semiconductor-Based Sensors and Radiation Detectors Chapter ZnSe- and CdSe-Based Radiation Detectors	03	Springer Nature	Vol. 3: Sensors, Biosensors and Radiation Detectors 30 March 2023	978-3-031-24000-3 https://doi.org/10.1007/978-3-031-24000-3

Dr Sapana Rane

Photo Gallery:

E poster competition moments:



New Equipment training for teachers :

