

Research committee report 2017-18

Committee Members

1.	Prof. A.T. Kanade	Chairman
2.	Dr. N. D. Sali	Member
3.	Dr. S.S. Pandit	Member
4.	Dr. B. A. Pawar	Member
5.	Dr. N.M. Patil	Member
6.	Dr. G.M. Pondhe	Member
7.	Dr. S. P. Giri	Member
8.	Dr. Mrs. P.V. Kanawade	Member

The research committee has actively engaged in the institutes research and extension activities during the academic year 2017-18. The progress of the work can be gauged by the fact that the staff and students of P.V.P. College have made steady progress in various aspects of research such as in obtaining recognition as research guides, obtaining research grants from various funding agencies, number of papers published / presented, awards, honors and distinctions, such as chairing technical session at conferences, citation of appreciation and many more. The details are presented with quantitative figures as below.

1. Details regarding major projects

Project detail	Completed	Ongoing	Sanctioned	Submitted
Number	01	01	Nil	Nil
Outlay in Rs. Lakhs	7,44,000/-	12,50,000/-	--	--

2. Details regarding minor projects

Project detail	Completed	Ongoing	Sanctioned	Submitted
Number	08	02	--	26
Outlay in Rs. Lakhs	18,65,000/-	4,35,000/-	--	--

3. Details regarding research publications

Peer Review Journals	108
e-Journals	12
Conference proceedings	10

4. No. of books published i) With ISBN No. : Nil Chapters in Edited Books: 10

5. No. of conferences Organized by the Institution

Level	International	National	National	State	University	College
Number	--	Nil	01	02	01	Nil
Sponsoring agencies	---	UGC(WRO) Self-Financed	BCUD S. P. Pune University	BCUD S. P. Pune University	BCUD S. P. Pune University	--.

6. No. of faculty served as experts, chairpersons or resource persons:

7. No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
06	02	01	01	02	Nil	Nil

8. No. of Ph.D. awarded by faculty from the Institution: 03

9. No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones):01

10. AVISHKAR Zonal level and University level activity

Many teachers have submitted proposals for BCUD and also for Minor and Major research projects. Research Committee encouraged students to participate in Avishkar leading to a very warm response from undergraduate and postgraduate students. As many as 10 different groups of students from UG, PG and Teacher category of Arts, Science and Commerce participated at the University Research Festival Avishkar. The talks arranged by the committee on research project selection and planning helped students to take up research projects and present at the festival. Details of participants are as below.

Zonal level organized in Rahuri College, Rahuri on 10th December 2017.

Earlier in zonal level 10 Projects from Science and Commerce faculty were selected for Zonal Level round.

Pure Science and Engineering category

Sr. No	Name of the Student	Class	Contact phone no & email ID	Level	Title of the project
1	Gadhe S.S. Ughade S.P.	T.Y.B.Sc.	9096579763	UG	Smart LPG gas leakage detector using metal oxide semiconductor sensor.
2	Kapkar A.N. Mali V.R.	T.Y.B.Sc.	9158748415	UG	Piezoelectric based energy harvesting for powering the street light.
3	Pansare S.D. Badhe P.B.	T.Y.B.Sc.	7038878401	UG	Smart greenhouse control and monitoring system

4	Bendre T.V. Chokhande S.S.	F.Y.B.Sc.	9527104173	UG	Design and development of electronic mosquito repellent based on ultrasound wave.
5	Kshirsagar Akshay Suresh Gore Sattyam Shivaji	T.Y.B.Sc.	9604983600	UG	Synthesis, characterization of Fe doped CaO nanoparticles and its catalytic applications
6	Miss. Kharde Harshal S. Miss. Gholap Varsha R.	M.Sc.	9860709033	PG	Natural Cleaning Agent
1	Mane S.S. Agre K.M.	T.Y.B.Sc.	9096795660	UG	Smart E-Voting system using GSM mobile SMS
2	Tanpure S.D. Raskar A.D.	TYBSC	9975269071	UG	Liquid vending machine using microcontroller
3	Aher S.R.	T.Y.B.Sc.	9518797708	UG	Smart home automation using GSM and internet of thing IoT

Name of Category: - II. Commerce, Management & law

Sr. No	Name of the Student	Class	Contact phone no & email ID	Level	Title of the project
1	Miss. Gauri Janardhan Jadhav Miss. Vaishnavi Sudhakar Kharde	S.Y.B.Com	9922444987	UG	Smart villages in India based on solar power.

Following student's projects were selected for S.P. Pune University round organized in S.P. Pune University (2nd January 2018) of AVISHKAR 2017.

- 1) **Mr. Saurabh Tanpure T.Y. B.Sc. Electronics**
- 2) **Ms. Swapnali Pansare T.Y. B.Sc. Electronics**
- 3) **Ms. Harshal Kharde M.Sc. Chem I**

The above selected candidate present for University Level AVISHKAR-2017 research competition scheduled on 02 January, 2018 at Department of Commerce, Savitribai Phule Pune University Pune - 411007.

The “**ORIENTATION WORKSHOP for AVISHKAR 2017**” was sponsored by BCUD, S.P. Pune university and organized by P.V.P. College Pravaranagar on Thursday, 5th October 2017 in Seminar hall, central library building. There were 109 students, ARCs and teachers participants registered from affiliated colleges of S. P. P. U. of Ahmednagar district zone II (covering Rajur, Akole, Sangamner, Rahata, Kopargaon, Pathardi and Rahuri tahsil).

The inauguration was by the auspicious hands of resource persons Dr. D. M. Gujarathi, Sangamner College Sangamner and Dr. A. A. Kulkarni from Ahmednagar College Ahmednagar in presence of president of the function hon. Principal Dr. P.M. Dighe at 11 a.m. The students and faculty of P.V.P. College were also present for the function.

In this scheduled workshop both the resource persons have explained and gave information about AVISHKAR concept, vital importance, rules and regulations for

participation in this competition. They have included power point presentation, different devices related examples and flex boards during their speech. Both have shared their experience as expert examiner and research guide for this competition. The healthy discussions among the participants will be beneficial through various angles for the participants. Hospitality was good for them. Participants were issued certificate of participation.



Dr. Sali N.D. Asso. Prof. Dept of Electronics have received “The Best Poster Presentation Award” in the International conference ICNHW-2018 Organized in H.V. Desai College Pune, Physics department during 1-3 February 2018.

11. The participation of students in various events and award winners in the same.

- **IMAGINE18**

Organized in Abasaheb Garware College, Pune on 24th February 2018. Our student Ms. Kajal Agre get 1st Prize, Mr. Sanchit Aher and Ms. Swapnali Pansare of B.Sc. Electronics has been awarded with Consolation Prize in Project presentation competition IMAGINE18. They received Certificate, Cash Prize and Trophy.

- **PRECision18**

A NATIONAL LEVEL SOCIO-TECHNICAL SYMPOSIUM

Organized in Pravara Rural Engineering College, Pravaranagar during 3-4th April 2018. Our student Ms. Harshal Kharde M.Sc. Chemistry and Mr. Sanchit Aher B.Sc. Electronics has been awarded with 2nd Prize in Project presentation competition PRECision18. She received Certificate, Cash Prize and Trophy.

12. Research proposals.

During this academic year research committee motivate the teaching staff for preparing and submission of minor research project proposal. Till date 26 minor research project proposals were submitted to University research cell, SPPU, Pune for funding.

Chairman
(Prof. A.T. Kanade)