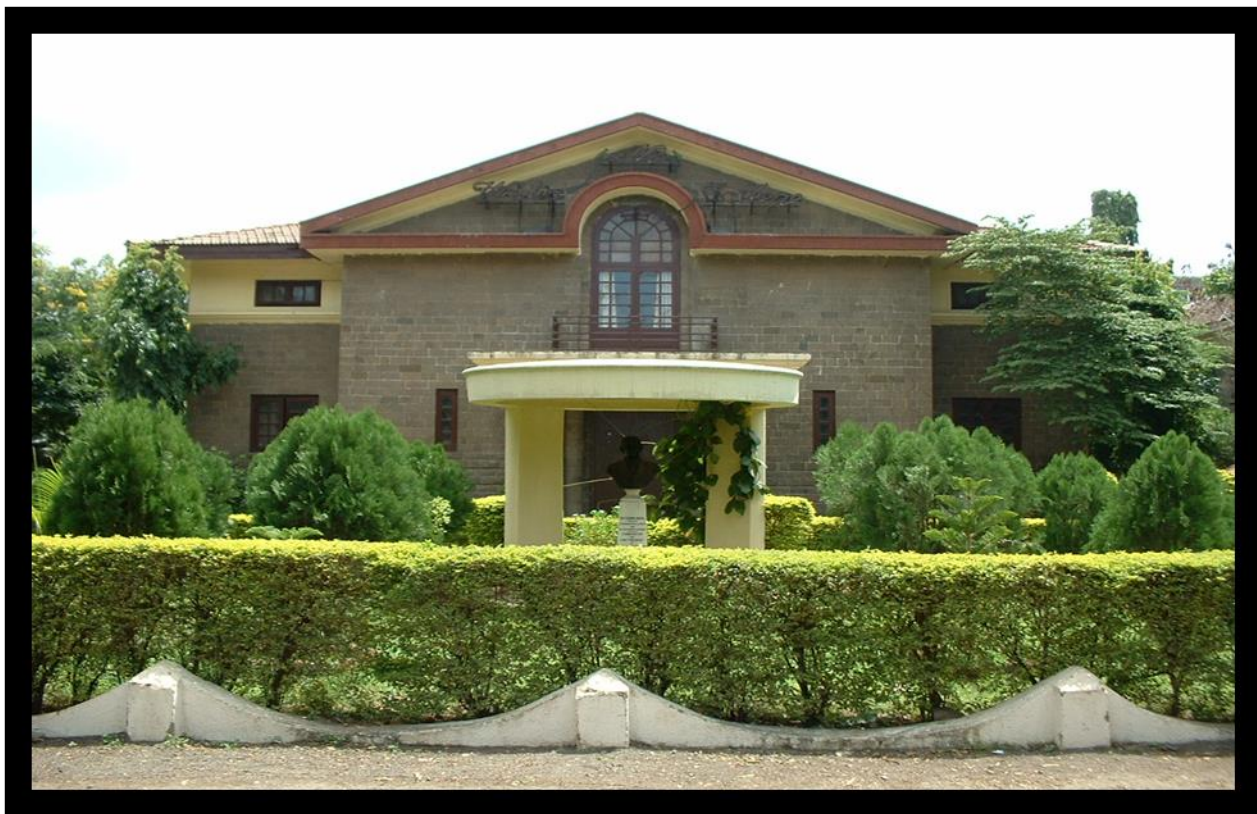


**Modern Education Society's  
Nowrosjee Wadia College, Pune**



**Annual Quality Assurance Report (AQAR)**

**2016 - 2017**

## The Annual Quality Assurance Report (AQAR) of the IQAC

IQAC team of Nowrosjee Wadia College, Pune is very much delighted to present the Annual Quality Assurance Report of the academic year 2016-2017.

### Part – A

#### 1. Details of the Institution

##### 1.1 Name of the Institution

Nowrosjee Wadia College

##### 1.2 Address Line 1

19, Late Prin. V. K. Joag Path

Address Line 2

Camp

City/Town

Pune

State

Maharashtra

Pin Code

411001

Institution e-mail address

principal@nowrosjeewadiacollege.edu.in

Contact Nos.

020-26169108(Principal's Office)

020 -26162944(College Office)

Name of the Head of the

Dr. K. S. Venkataraghavan

Institution:

Tel. No. with STD Code :

020-26169108

Mobile:

9890593331

Name of the IQAC Co-ordinator :

Dr. Ms. S. A. Boxwala

Mobile :

+91 9822969029

IQAC e-mail address :

iqac@nowrosjeewadiacollege.edu.in

**1.3 NAAC Track ID**

N. A.

**1.4 NAAC Executive Committee No. and Date :**

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**1.5 Website address :**

www.nowrosjeewadiacollege.edu.in

**Web-link of the AQAR :**

<http://nowrosjeewadiacollege.edu.in/aqar-2016-17/>

**1.6 Accreditation Details**

Sr.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	--	2003	2008

**1.7 Date of Establishment of IQAC :**

22<sup>nd</sup> March 2010

20<sup>th</sup> June 2014 (Newly constituted)

**1.8 AQAR for the year :**

2016-2017

**1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC**

- i. AQAR 2010-11 submitted on 28<sup>th</sup> October 2016.
- ii. AQAR 2011-12 submitted on 28<sup>th</sup> October 2016.
- iii. AQAR 2012-13 submitted on 29<sup>th</sup> October 2016.
- iv. AQAR 2013-14 submitted on 5<sup>th</sup> November 2016.
- v. AQAR 2014-15 submitted on 23<sup>rd</sup> November 2016.
- vi. AQAR 2015-16 submitted on 2<sup>nd</sup> December 2016.

**1.10 Institutional Status**

University : State

Affiliated College : Yes

Constituent College : No

Autonomous college of UGC : No

Regulatory Agency approved Institution : Yes

**1.10 Type of Institution**Co-education  Men  Women Urban  Rural  Tribal Financial Status Grant-in-aid  UGC 2(f)  UGC 12B Grant-in-aid + Self Financing  Totally Self-financing **1.11 Type of Faculty/Programme**Arts  Science  Commerce  Law  PEI (Phys Edu.) TEI (Edu)  Engineering  Health Science  Management 

Others(Specify) : --

**1.12 Name of the Affiliating University :**

Savitribai Phule Pune University, (formerly University of Pune), Pune

**1.13 Special status conferred by Centra l/ State Government :**

Autonomy by State / Central Govt. / University : No

University with Potential for Excellence : No

UGC-CPE : No

DST Star Scheme : No

UGC-CE : No

UGC-Special Assistance Programme : No

DST-FIST	:	No
UGC-Innovative PG programmes	:	No
Any other ( <i>Specify</i> )	:	No
UGC-COP Programmes	:	No

## **2. IQAC Composition and Activities**

<b>2.1</b>	<b>1 No. of Teachers</b>	<b>:</b>	<b>08</b>
<b>2.2</b>	<b>No. of Administrative/Technical staff</b>	<b>:</b>	<b>03</b>
<b>2.3</b>	<b>No. of students</b>	<b>:</b>	<b>01</b>
<b>2.4</b>	<b>No. of Management representatives</b>	<b>:</b>	<b>01</b>
<b>2.5</b>	<b>No. of Alumni</b>	<b>:</b>	<b>01</b>
<b>2.6</b>	<b>No. of any other stakeholder and community representatives</b>	<b>:</b>	<b>01</b>
<b>2.7</b>	<b>No. of Employers/ Industrialists</b>	<b>:</b>	<b>00</b>
<b>2.8</b>	<b>No. of other External Experts</b>	<b>:</b>	<b>00</b>
<b>2.9</b>	<b>Total No. of members</b>	<b>:</b>	<b>17*</b>

\* (01 Chairperson + 01 Coordinator)

<b>2.10</b>	<b>No. of IQAC meetings held</b>	<b>:</b>	<b>21</b>
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### **2.11 No. of meetings with various stakeholders:**

Faculty : 17	Non-Teaching Staff : 01	Students : 01
Alumni : 02	Others : 00	

### **2.12 Has IQAC received any funding from UGC during the year? No**

If yes, mention the amount : N. A.

### 2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total No.: 00

International: 00      National: 00      State: 00      Institution Level: 00

(ii) Themes: Not Applicable

### 2.14 Significant Activities and contributions made by IQAC

- CAS (Career Advancement Scheme) for teachers.
- PBAS (Performance Based Appraisal System) implemented for teaching staff.
- Preparation and submission of AQA Rs.
- Preparation and submission of SSR/RAR.
- IQAC motivated each department to conduct student oriented activities to strengthen academics.
- IQAC encourages Debating Society and Staff academy to conduct various activities.
- Planning of Programmes for the academic year, monitoring the programmes and reviewing the plan at the end of the year.

### 2.15 Plan of Action by IQAC/Outcome

The plan of action was decided by the IQAC just before commencement of the new academic year for the excellence development which is responsible for the grand outcome achieved at the end of the year.

## Academic Calendar 2016-17

### Undergraduate

#### First Term

Sr. No.	Details of Activities	Dates
1	Commencement of First Term	15/06/2016
2	International Yoga Day	21/06/2016
3	College Foundation Day	21/07/ 2016
4	First Mid-Semester Examination of B.Sc.	4 <sup>th</sup> week of August, 2016
5	Scholars' Day	Last week of August
6	Hindi Day	14 <sup>th</sup> September
7	NSS Day	24 <sup>th</sup> September
10	First Semester University Examination of B.Sc.	4 <sup>th</sup> week of October, 2016
11	Conclusion of First Term	22/10/2016

#### Second Term

Sr. No.	Details of Activities	Dates
1	Commencement of Second Term	21/11/2016
2	Constitution Day	26/11/2016
3	Term End Examination of B.A.	1 <sup>st</sup> and 2 <sup>nd</sup> week of December, 2016
4	N.S.S. Camp	3 <sup>rd</sup> week of December, 2016
5	Extra and Co-curricular Departmental Activities	3 <sup>rd</sup> week of January, 2017
6	Convocation Day	January 2017
7	Gokhale Cup (An Intercollegiate Elocution Competition)	First or Second Week of February
8	Sethi Quiz (An Intercollegiate Quiz Competition)	First or Second Week of February
9	Gymkhana Day	First or Second Week of February
10	NCC Day	First or Second Week of February
11	Second Mid-Semester Examination of B.Sc.	2 <sup>nd</sup> and 3 <sup>rd</sup> week of February, 2017
12	Science Day	28 <sup>th</sup> February, 2017
13	University Annual Examination of B.A.	2 <sup>nd</sup> week of April, 2017
14	Second Semester University Examination of B.Sc.	4 <sup>th</sup> week of April, 2017
15	Maharashtra Day/International Workers Day	1 <sup>st</sup> May, 2017
16	Conclusion of Second Term	02/05/2017

**Note :-**

1. The Dates of Commencement of First Term and Second Term for Undergraduate Courses have been declared by the Savitribai Phule Pune University, Pune vide **Circular No. 81 of 2016-2017** dated **28 /05 /2016**.
2. The Principal can make necessary changes in the Academic Calendar as per requirement.

Plan of Action	Achievements
<ul style="list-style-type: none"> <li>Promoting teachers for</li> </ul>	<ul style="list-style-type: none"> <li>01 teachers successfully completed refresher course and 05 teachers attended</li> </ul>

<p>refresher/orientation programs, workshops, conferences etc.</p>	<p>orientation programmes.</p> <ul style="list-style-type: none"> <li>• Several faculty members participated in conferences and Workshops and most of these presented their research work in the conferences.</li> <li>• Dr. V.V. Chabukswar was Resource person in a National Conference.</li> <li>• Ms. P PDasture, was Chairperson at an International Conference in Sri Lanka.</li> <li>• Dr. S. V. Bankar chaired a plenary session in a National Conference.</li> <li>• The Department of Zoology organized a one day workshop on “Common Bird Monitoring Programme” in collaboration with BNHS in February 2017.</li> <li>• NET-SET workshop was held for M.Sc. Chemistry students on 4<sup>th</sup> March 2017.</li> <li>• The Department of Mathematics organized a “National Conference on Pure and Applied Mathematics” in honour of Prin. Dr. M. M. Andar in April 2017.</li> </ul>
<ul style="list-style-type: none"> <li>• Encouraging students to participate in inter-collegiate and intra-collegiate competitions and events.</li> </ul>	<ul style="list-style-type: none"> <li>• A large number of students participated in various intercollegiate events and competitions and brought laurels to the college.</li> <li>• NCC Cadets won several awards at the University, State, National level Cadet Captain Anand Nair represented DG NCC team at <b>All India G.V. Mavlankar Shooting Championship</b> held at Mumbai and he won Gold Medal in 0.22 open sight standard rifle 3 position 50m Junior mens event. Cadet Manvendra Kashyap attended <b>Republic Day Camp</b> held at New Delhi in January this year.</li> </ul>
<ul style="list-style-type: none"> <li>• Organizing competitions, soft-skill workshops for overall development of students.</li> </ul>	<ul style="list-style-type: none"> <li>• Several intra collegiate and inter collegiate competitions were organized by different departments for building camaraderie, promoting creativity and critical thinking.</li> </ul>
<ul style="list-style-type: none"> <li>• Improving student evaluation procedures.</li> </ul>	<ul style="list-style-type: none"> <li>• The choice based credit system at the First Year and Second year PG students allow to initiate many activities like seminars, home assignments, groupdiscussions, extension work etc.</li> </ul>
<ul style="list-style-type: none"> <li>• Encouraging teachers to take up major/minor research projects</li> </ul>	<ul style="list-style-type: none"> <li>• The faculty members worked onmajor/minor research projectsfunded by BCUD, DST-SERB, and UGC.</li> </ul>



<ul style="list-style-type: none"> <li>Organizing competitions, soft-skill workshops for overall development of students.</li> </ul>	<ul style="list-style-type: none"> <li>Most of the departments organized their annual festivals and several departmental events for overall development of the students.</li> </ul>
<ul style="list-style-type: none"> <li>Active participation in curricular development at university level.</li> </ul>	<ul style="list-style-type: none"> <li>C. S. Nimkar, N. D. Abhyankar, H. R. Arvind, Ms. Poonam Ponde, Mrs. Reena Bharathi and Ms. P. P. Dasture are Member of BOS, St. Mira's College, Pune.</li> <li>9 faculty members participated in syllabus related workshops.</li> </ul>
<ul style="list-style-type: none"> <li>Organizing events highlighting duties and responsibilities of citizens</li> </ul>	<ul style="list-style-type: none"> <li>Several activities like Cleanliness Drive, Blood Donation camps, International Yoga day, Tree Plantation were organized.</li> </ul>
<ul style="list-style-type: none"> <li>Strengthening Industry Interaction and Exposure</li> </ul>	<ul style="list-style-type: none"> <li>Several departments organized Industry visits and lectures by Industry experts.</li> </ul>
<ul style="list-style-type: none"> <li>Upgrading laboratory equipments.</li> </ul>	<ul style="list-style-type: none"> <li>New equipment useful for research was purchased.</li> </ul>
<ul style="list-style-type: none"> <li>Expanding the reach of Extension activities</li> </ul>	<ul style="list-style-type: none"> <li>College in association with the Maharashtra State Commission For Women (MSCW) and People United against Sexual Harassment (PUSH) organised One day workshop on "Sexual Harassment of women at work places(under the Prevention, Prohibition and Redressal Act, 2013)" on 3<sup>rd</sup> March, 2017 in order to sensitize and make aware the staff members and students about safety of women at workplaces.</li> <li>Rotary club of Poona, Downtown in collaboration with Zoology Department, college organized Rotary Youth Leadership Award (RYLA)- three day programme was held in Suyog Sunderji School, Wagholi from 13<sup>th</sup>-15<sup>th</sup> 2017. 4 students of the college participated in the above camp.</li> <li>Centre for Talent Search and Excellence (CTSE),conducted MTS examinations for the standards VIII, IX and X throughout Maharashtra, Karnataka, Goa,and Gujarat in April 2017.This year 83,802 students from 2,935 schools of Maharashtra, Goa, part of Karnataka appeared for the MTS Examination at 573 centres across Maharashtra. The CTSE also conducted GEE and other entrance examinations in association with YASHADA. Many staff members contributed significantly to the activities of CTSE.</li> </ul>

## 2.16 Whether the AQAR was placed in statutory body: Yes

Management : Yes

Syndicate : N. A.

Any other body : Steering Committee

Provide the details of the action taken

- Rough draft presented before the Steering Committee on 01/09/2017
- Revised draft presented before IQAS and approved with suitable changes on 08/09/2017
- Presented before Management and approved by Management on 11/09/2017
- Uploaded on the college website [www.nowrosjeewadiacollege.edu.in](http://www.nowrosjeewadiacollege.edu.in) on 13/09/2017 at the following link: <http://nowrosjeewadiacollege.edu.in/aqar-2016-17/>

## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
Ph.D.	04 <b>Annexure 1.1 (a)</b>	0	04	0
PG	17 <b>Annexure 1.1(b)</b>	0	17	0
UG	17 (08+07+02) <b>Annexure 1.1(c)</b>	0	03	0
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	0	0	0	0
Others	0	0	0	0
<b>Total</b>	38	0	24	0
<b>Interdisciplinary</b>	01 <b>Annexure 1.1 (d)</b>	0	01	0

##### Annexure 1.1 (a)

##### Ph. D. Programmes :

Number of Ph. D. Programmes shown here are indicative of the number of recognized research centres in the college. There are however recognized research guides in 10 departments in all.

1. Chemistry
2. Physics
3. Geography
4. Geology

## **Annexure 1.1 (b)**

### **P. G. Courses**

1. M. Sc. Computer Science
2. M. Sc. (Industrial Mathematics with Computer Applications)
3. Master of Computer Applications (Science)
4. M. Sc Physical Chemistry (Aided and Un Aided)
5. M. Sc. Analytical Chemistry
6. M. Sc. Organic Chemistry
7. M. Sc. Polymer Science
8. M. Sc. (Applied)Petroleum Technology
9. M. Sc. Physics
10. M. Sc. Electronics
11. M. Sc. Zoology
12. M. Sc. Botany
13. M. A. Geography
14. M. Sc. Geography
15. M. A. Psychology
16. M. A. Economics
17. M. A. English

## **Annexure 1.1 (c)**

### **Under Graduate**

#### **Arts Faculty**

#### **Subjects at Special Level (up to 3<sup>rd</sup> year)**

1. English
2. Economics
3. History
4. Politics
5. Psychology
6. Geography
7. Mathematics
8. Marathi

#### **Subjects at General Level (Not included in the count for UG Programmes)**

1. French
2. Hindi
3. Industrial Mathematics
4. Mathematical Statistics
5. Optional English
6. Logic and Methodology of Science
7. Statistics
8. Applied Mathematics
9. Philosophy

## **Science Faculty**

### **Subjects at Special Level (up to 3<sup>rd</sup> year)**

1. Mathematics
2. Physics
3. Chemistry
4. Zoology
5. Geology
6. Electronic Science
7. Botany

### **Subjects at Optional Level (Not included in the count of the UG Programmes)**

1. Geography
2. Industrial Chemistry
3. Electronics Equipment Maintenance
4. Environment Awareness Programme (Compulsory Subject at S.Y.B.A./B.Sc./Computer Science/Biotechnology).

### **UG Courses (Self Financing Courses):**

1. B. Sc. Computer Science
2. B. Sc. Biotechnology
3. T. Y. B.Sc. Botany
4. S.Y/T.Y B.A Marathi Special (Papers)
5. F.Y/ S.Y/ T.Y B.A Defence and Strategic Studies (Papers)

### **B. Sc. Vocational**

1. Electronics Equipment Maintenance
2. Industrial Chemistry

## **Annexure 1.1 (d)**

### **Interdisciplinary Courses:**

#### **M. Sc. (Industrial Mathematics with Computer Applications)**

#### **1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options**

- Our UG course is a Core Curriculum, prescribed by the Savitribai Phule Pune University. Our PG courses consist of Electives, prescribed by the Savitribai Phule Pune University, thereby providing flexibility in the curriculum.

#### **(ii) Pattern of programmes:**

<b>Pattern</b>	<b>Number of programmes</b>
Semester	18 + 7 + 2
Trimester	0
Annual	8 + 7 + 2

- For the UG Science programmes the First Year follows the Annual Pattern whereas the second and third years follow the Semester Pattern. For the UG Arts Programmes, the Annual Pattern is followed for all the three years.
- For the PG programmes, the Semester Pattern is followed for all the classes.

### 1.3 Please provide an analysis of the feedback.

Feedback from stakeholders	Alumni	Parents	Employers	Students
(On all aspects)	Yes	Yes	Yes	Yes
Mode of feedback	Verbal	Verbal	Verbal	Manual

#### Analysis of feedback:

##### Feedback from Stakeholders:

We take regular feedback from Alumni, with respect to our Curriculum Implementation. Our Alumni has a constant active rapport with their departments. They regularly participate in various co-curricular activities, as Judges and Speakers. During these co-curricular activities, discussions related to Syllabi implementation are held and Alumni feedback is noted. The mode of feedback is verbal.

##### Feedback from Employer:

Placement officers are in continuous contact with various organizations. Every year when they visit for recruitment, there is a positive or negative feedback from the employer. Companies satisfied by the performance of the students that they have recruited visit again.

##### Feedback from Students:

We take regular feedback from the students by filled-in forms and then analyzing the responses. The Feedback Analysis Report is then discussed at the Heads' Committee meeting and the views are then passed on to the faculty members of the college who are the members of Board of Studies.

#### Analysis of Feedback

Feedback is analysed and timely implementation of good suggestions is done so as to ensure improvement in all aspects related to the college.

### 1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- 1) Our course curricula are prescribed by the Savitribai Phule Pune University. Certificate courses are designed in consultation with Industrial or Domain Experts.
- 2) Our UG and PG syllabi are revised once every five years.

### 1.5 Any new Department / Centre introduced during the year. If yes, give details. No.

## Criterion – II

### 2. Teaching, Learning and Evaluation

#### 2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
80 (Aided)	40	38	--	02*
07 (Non Aided)	04	03	--	--

\*Others include Librarian, Director of Physical Education

#### 2.2 No. of permanent faculty with Ph.D.: 45(from Aided)

#### 2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year :

Faculty	Assistant Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
(Aided)	40	24	38	00	00	00	02	00	80	24
(Non-aided)	04	85	03	00	00	00	00	00	07	85

#### 2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest And Visiting*	Temporary
105(NG)	23(G) 84(NG)

\*Faculty other than permanent and on consolidated salary has been considered as visiting faculty.

#### 2.5 Faculty participation in conferences and symposia : Refer Annexure 2.5

No. of Faculty	International level	National level	State level
Attended	03	14	09
Presented papers	17	25	02
Resource Persons	--	01	--

**Annexure 2.5**

**Faculty Participation in Conferences / Seminars and Symposia**

**Department of Biotechnology**

<b>Name of Faculty Member</b>	<b>Name of Conference/Symposium</b>	<b>Dates of the Conference/Symposium</b>	<b>Organizer of the Conference</b>	<b>Whether Conference is International/National/State Level</b>	<b>Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/Symposium</b>	<b>Title of Paper Presented in case of Presentation.</b>
S. B. Deokar	International conference on Ancient Science and Technology: Retrospection and Aspirations (ASTRA-2017)	18 <sup>th</sup> and 19 <sup>th</sup> January 2017	HV Desai College, Pune	International	Presented Poster	Instances of cloning technique in Mahabharata
S. B. Deokar	“3 <sup>rd</sup> International Conference on Environment and Ecology’	27 <sup>th</sup> March to 29 <sup>th</sup> March 2017.	St. Xavier’s College, Ranchi, Jharkhand	International	Presented paper	The Study of the Physicochemical parameters and Bacteriological examination of Tural acrothermal spring, (Dist Ratnagiri), Maharashtra, India ;
Kshitija Mutalik	International conference on Ancient Science and Technology: Retrospection and Aspirations(AS TRA-2017)	18 <sup>th</sup> and 19 <sup>th</sup> January 2017	HV Desai College, Pune	International	Presented Poster	Use of Herbal Plants as medicines in Ancient India



### Department of Botany

Name of Faculty Member	Name of Conference/ Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International/ National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium	Title of Paper Presented in case of Presentation.
Dr. S. S. Gadekar	National Conference on Indian Aerobiological Society	9 <sup>th</sup> to 11 <sup>th</sup> December 2016	Bose Institute, Kolkata	National	Attended	-----
Dr. S. V. Ahire	International Conference organized by Indian Science Congress	3 <sup>rd</sup> to 7 <sup>th</sup> January 2017	Indian Science Congress	International	Poster Presentation	
Dr. A. S. Limaye	2 <sup>nd</sup> International Conference on Bridging Innovations in pharmaceutical, medical and Biosciences	11 <sup>th</sup> and 12 <sup>th</sup> February 2017	Innovare and M. P. Science Council, Bhopal, M. P.	International	Poster Presentation	“Phytochemical analysis and antioxidant potential of <i>Pterisvittata</i> ”

### Department of Chemistry

Name of Faculty Member	Name of Conference/Symposium	Dates of the Conference/Symposium	Organizer of the Conference	Whether Conference is International/National/State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/Symposium	Title of Paper Presented in case of Presentation.
Dr Vasant V. Chabukswar	Invited speaker in National Conference on Chemistry of Chalcogens and its Nano-technology (NC3-2017)	12 <sup>th</sup> -13 <sup>th</sup> January 2017	Defence Institute of Advanced Technology, Girinagar, Pune-411025.	National	Resource Person	“Highly Sensitive Polymer/metal Oxide Nanocomposite: Use as a Sensor for Detection of Sulphur Containing Analyte
Dr Vasant V. Chabukswar	Indian Peptide Society, (6 <sup>th</sup> IPS) HBCSE, (BARC) Trombay, Mumbai.- 400008	23 <sup>rd</sup> -24 <sup>th</sup> February 2017	Indian Peptide Society, (6 <sup>th</sup> IPS) HBCSE, (BARC) Trombay, Mumbai.- 400088	International Conference	Oral and Poster presentation	“Selective epoxide opening by N-terminal amine of peptide to give β-amino alcohols as new prodrugs” HBCSE, (BARC) Trombay, Mumbai.
Dr Vasant V. Chabukswar	International Conference on Advanced Rechargeable Batteries and allied Materials (ICARBM 2017)	8 <sup>th</sup> -10 <sup>th</sup> March 2017	C-MET, Pune in IISER, Pune.	International Conference	Poster presentation	“Polyaniline-Graphene Oxide Nanocomposites for Energy Storage Application”
Dr Vasant V. Chabukswar	National Seminar on Research opportunities in Chemical Physical and Biological Sciences		SPPU, Pune, and B. J. S. Art, Science, and Commerce College, Wagholi, Pune	National Conference	Resource Person	Nanocomposites: An advanced material as hazardous gas sensor”

Dr Vasant V. Chabukswar	“Awareness on Conservation of Energy Resources and Management: An Interdisciplinary Approach”	17-18 <sup>th</sup> January 2017	SPPU, Pune, and S M Joshi College, Hadapsar, Pune-28,	National Seminar	Resource Person	“Awareness on Conservation of Energy Resources and Management: An Interdisciplinary Approach”
Dr Vasant V. Chabukswar	6 <sup>th</sup> Bhartiya Vigyan Sammelan 2017	11 <sup>th</sup> -14 <sup>th</sup> May 2017	Organised by Maharashtra Govt. and Fergusson College, Pune, Pune,	National Conference	Oral presentation	Small molecule peptide derivatives: New potent anticancer prodrugs
Dr.A.S. Deshpande	International conference of Indian Council of Chemists at Bali	7 <sup>th</sup> to 9 <sup>th</sup> June 2017	Indian Council of Chemists	International	Presented Paper	Influence of ammonium polyacrylate (Darvan) and polyethylene imine (PEI) on rheology of SiC suspension
Dr.A.S. Deshpande	Indian Council of Chemists	22-24 <sup>th</sup> December 2016	H.V. Desai College	National	Presented Paper	Rheological study of silicon carbide powders
V.T. Borkar, Dr. R.P. Bhadane and Dr. V. T. Dangat	National conference on RTPCB -2016 held at VPASC college, Baramati,	16-17 <sup>th</sup> December 2016	RTPCB -2016 held at VPASC college, Baramati	National	Oral presentation	A quantitative structure-reactivity assessment of 2, 4-Dichloroaniline and 2, 6-Dichloroaniline by investigation of rapid iodination kinetics using hydrodynamic voltametry,

### Department of Computer Science

<b>Name of Faculty Member</b>	<b>Name of Conference/Symposium</b>	<b>Dates of the Conference/Symposium</b>	<b>Organizer of the Conference</b>	<b>Whether Conference is International/National/State Level</b>	<b>Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/Symposium</b>	<b>Title of Paper Presented in case of Presentation.</b>
C. S. Nimkar	Conference on Pure and Applied Mathematics	27 <sup>th</sup> – 28 <sup>th</sup> April 2017	Nowrosjee Wadia College	National	Attended	----
Poonam Ponde	21 <sup>st</sup> European Conference on Pattern Language of Programs	6 <sup>th</sup> – 10 <sup>th</sup> July 2016	EUROPLOP Committee	International	Presented	An Analytical Study of Security Design Patterns
Reena Bharathi	ICACDS	November 11 <sup>th</sup> -12 <sup>th</sup> 2016	Krishna college of engineering	International	Presenter	A distributed scalable computing facility for Big data analytics in Atmospheric Physics
Reena Bharathi	IBSS	21 <sup>st</sup> -22 <sup>nd</sup> December 2016	Vidya prathishtan Baramati	International	Presenter	A distributed scalable parallelization of Fuzzy-cmeans algorithm

### Department of Defence Studies

<b>Name of Faculty Member</b>	<b>Name of Conference Symposium</b>	<b>Dates of the Conference Symposium</b>	<b>Organizer of the Conference</b>	<b>Whether Conference is International/ National/ State Level</b>	<b>Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium</b>	<b>Title of Paper Presented in case of Presentation.</b>
David V Sagalgile	Terrorism and Counter-Terrorism	23 <sup>rd</sup> and 24 <sup>th</sup> March 2017	Dept of Defence and Strategic Studies, Savitribai Phule Pune University, Pune	International	Attended	

### Department of Economics

<b>Name of Faculty Member</b>	<b>Name of Conference Symposium</b>	<b>Dates of the Conference Symposium</b>	<b>Organizer of the Conference</b>	<b>Whether Conference is International/ National/ State Level</b>	<b>Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium</b>	<b>Title of Paper Presented in case of Presentation.</b>
Dr. Manjusha Musmade	National Conf.- Chandwad Dist-Nashik MH	6 <sup>th</sup> - 8 <sup>th</sup> November ,2016	Marathi Arthashatra Parishad	National	Presented paper	Contribution of N.V. Sovani

### Department of Electronics

Name of Faculty Member	Name of Conference/ Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International/ National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium	Title of Paper Presented in case of Presentation.
Dr.P.K.Bhadane and Mrs. S.P.Bhangale	Pure and Applied Mathematics	27 <sup>th</sup> and 28 <sup>th</sup> April 2017	Nowrosjee Wadia College	National	presented a paper	Mathematical modelling of glass electrode: a semiempirical approach
R.K.Nerakar	Pure and Applied Mathematics	27 <sup>th</sup> and 28 <sup>th</sup> April 2017	Nowrosjee Wadia College	National	presented a paper	Use of Mathematics in Electronics
Mrs. V.S.Jadkar	Pure and Applied Mathematics	27 <sup>th</sup> and 28 <sup>th</sup> April 2017	Nowrosjee Wadia College	National	Attended	-

### Department of English

Name of Faculty Member	Name of Conference/ Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International/ National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium	Title of Paper Presented in case of Presentation.
Dr Sachin Bankar	Indian Writing In English	8 <sup>th</sup> -9 <sup>th</sup> February 2017	Hutatma Rajguru College, Rajgurunagar	National	Presented paper/ <b>chaired Plenary session</b>	Arvind Adiga's "The Last Man in Tower: a Critique of Indian Urban Life"

### Department of French

Name of Faculty Member	Name of Conference/ Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International/ National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium	Title of Paper Presented in case of Presentation.
Mayur Gohad	Phonetique et les chansons en classe duFLE	24 <sup>th</sup> -25 <sup>th</sup> February 2017	Institut français en Inde and University of Mumbai.	State level	Only attended	N.A.

### Department of Geography

Name of Faculty Member	Name of Conference/ Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International/ National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium	Title of Paper Presented in case of Presentation.
Dr. Ujjwala Khare	National Conference on Pure and Applied Mathematics	27 <sup>th</sup> – 28 <sup>th</sup> April 2017	Nowrosjee Wadia College	National	Attended and Presented	1*
Dr. Ujjwala Khare	X international Geography Union Conference on Urbanization, Health and Well Being and Sustainable Development Goals	17 <sup>th</sup> -19 <sup>th</sup> March 2017	Department of Geography Osmania University Hyderabad	International	Attended and Presented	2*
Dr. Ujjwala Khare	Application of Geoinformatics in Geographical and Botanical Studies	30 <sup>th</sup> -31 <sup>st</sup> January 2017	Department of Geography S.P. College Pune	National	Attended and Presented	3*

Ujjwala Khare	Spaces and Flows	10th and 11th November 2016	University of Pennsylvania, Philadelphia, U.S.A	International	Attended and Presented	4*
Dr. Ujjwala Khare	workshop on 'smart cities and Geo-Ict Initiative	18 <sup>th</sup> June 2016	Indian Society of Geomatics Pune Chapter's	National	Attended	
Dr. (Mrs) Anargha Dhorde	X IGU International Conference on Urbanization, Health and Well Being and Sustainable Development Goals, held at Hyderabad, India	17th -19th March,2017	International Geographical Union and Department of Geography Osmania University Hyderabad	International	Attended and Presented	Evaluation of Impervious surface growth over Pimpri Chinchwad Municipal Corporation (PCMC) using Satellite data
Dr. (Mrs) Anargha Dhorde	29 <sup>th</sup> IGI conference at Calcuta University, Kolkata,	24 <sup>th</sup> to 27 <sup>th</sup> November 2017.	Calcutta University, Kolkata	National	Attended and Presented	Detection of Shoreline Change employing Medium Resolution Satellite Imagery: A case study of the coastal tracts from the Shrivardhan Tahsil, Maharashtra, India,
Ms. Ranjana Rathod	Problems and Prospects of Agriculture Labour in India	20 <sup>th</sup> March 2017	Bharti Vidyapeeths Dr.Patangrao Kadam Mahavidyalaya, Sangli	National Seminar	Attended and Presented	An Assessment of Floriculture Using Ranking Coefficient and Crop Combination In Solapur District, Maharashtra.
Ms. Ranjana Rathod	Indian Agricultural Development after Globalization	18 <sup>th</sup> February 2017	Department of Geography Santosh Bhimrao Patil Mahavidyalaya, Solapur.	National	Attended and Presented	Identification Of Floriculture Concentration Zone In Solapur District, Maharashtra.
Ms. Ranjana Rathod	Applications of Geoinformatics in Geographical and Botanical studies	30 <sup>th</sup> -31 <sup>st</sup> January	S.P.College Pune	National Workshop	Attended and Presented	Evaluating the geo political importance of fort: A case study of Rajmachi fort,Pune



Ms. Ranjana Rathod	Strengthening Research skills of college Students and Teachers	10 <sup>th</sup> November 2016	Sanameshwar college, Solapur	National Workshop	Attended	-
Mr. N.K. Bhagat	Environmental Resource Management for Sustainable Development.	27 <sup>th</sup> February 2016	D,G. Tatkare mahavidyalay, Mangaon Raigad.	National	Attended and Presented	Beach Carrying capacity Appraisal for Coasts in Raigad District, Maharashtra,
Mr. Y.N. Pawar	Environmental Resource Management for Sustainable Development.	27 <sup>th</sup> February 2016	D, G. Tatkare mahavidyalay, Mangaon Raigad.	National	Attended and Presented	Beach Carrying capacity Appraisal for Coasts in Raigad District, Maharashtra,

**Title of Paper Presented in case of Presentation (for Dr Ujjwala Khare)**

1. Application of Mathematics in Map Projection
2. Dynamics of Urban Morphology and Regeneration : a Case study of Pune
3. Application of GIS techniques in study of selected Population Parameters for Maharashtra
4. Rural Urban Spatial Diversity in a Globalised Landscape: A case study of an Information technology Part nucleus, Hinjewadi, Pune, India.

**Department of Geology**

Name of Faculty Member	Name of Conference/ Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International/ National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium	Title of Paper Presented in case of Presentation.
Sangeeta Pachakhande	Application of Microfossil proxy in solving earth and environmental problems	25/02/2017	Dept. Of. Geology RTMNU Nagpur	National	Attended	-

### Department of Hindi

Name of Faculty Member	Name of Conference/ Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International/ National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium	Title of Paper Presented in case of Presentation.
Pardeshi Kranti Devdas	Hindi sahitya mein rashtriya ekta evm sampradaiek sadbhav	4 <sup>th</sup> January 2017	Poona college of Arts and Science, Pune.	National Level	Attended	----

### Department of History

Name of Faculty Member	Name of Conference/ Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International/ National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium	Title of Paper Presented in case of Presentation.
P P Dasture	International Conference on the 'Asian Elephants in Culture and Nature'	Aug 2016	University of Kelaniya	International	Presented	'Imperialism and the Elephants in Burma: An Analytical Perception of George Orwell's 'Shooting the Elephant'
P P Dasture	International Conference on the 'Asian Elephants in Culture and Nature'		University of Kelaniya	International	Presented	'The Indian War Elephant; Fascinating Tales from its Historical Past'
P P Dasture	3 <sup>rd</sup> International Conference on Social Sciences, 'Global Challenges in Development; Social Sciences Perspectives'	September-October 2016	University of Kelaniya	International	Presented	Heritage Tourism and Sustainability: Surveying the Asian Scenarion'

P P Dasture	International Conference on 'Intellectual Property Rights: Emerging Trends- Global Perspectives'	10 <sup>th</sup> February 2017	Dept of Law University of Mumbai	International	Presented	'Protection of Cultural Heritage and Intellectual Property Rights'
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### Department of Logic and Philosophy

Name of Faculty Member	Name of Conference/ Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International/ National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium	Title of Paper Presented in case of Presentation.
Narwade Milind	Akhil Bhartiya Darshan Parishad	10 <sup>th</sup> to 12 <sup>th</sup> September 2016	Patna University	National	Presented	Manushyakendritata.

### Department of Marathi

Name of Faculty Member	Name of Conference/ Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International/ National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium
Dr. J. G. Ahiwale	Dr. Ambedkar vicharancha aadhunik kalatil sandarbh vichar	20-21 <sup>st</sup> January 2017	Ness Wadia College Pune	National	Paper presented
Mr. Vikas Bahule	Dr, Bhalachandra Phadke yanche sahitya ani samajik staravaril margadarshan	13 <sup>th</sup> may 2016	Nirantar shikshan, Pune	national	Attended
Mr. Vikas Bahule	Dr. Ambedkar vicharancha aadhunik kalatil sandarbh vichar	20-21 <sup>st</sup> January 2017	Ness Wadia College Pune	National	Paper presented

### Department of Mathematics

Name of Faculty Member	Name of Conference/Symposium	Dates of the Conference/Symposium	Organizer of the Conference	Whether Conference is International/National/State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/Symposium	Title of Paper Presented in case of Presentation.
Dr. S. A. Boxwala (Convenor)	National conference on Pure and Applied Mathematics.	27 <sup>th</sup> -28 <sup>th</sup> , April 2017	Department of Mathematics Nowrosjee Wadia College, Pune	National	Attended	
P. N. Shinde (Co convenor)	National conference on Pure and Applied Mathematics.	27 <sup>th</sup> -28 <sup>th</sup> , April 2017	Department of Mathematics Nowrosjee Wadia College, Pune	National	Attended and Presented	A Combinatorial Identity about the set of presumed minimal solutions of the Multipeg Tower of Hanoi Problem.
P. N. Shinde	A Symposium in Mathematics	22 <sup>nd</sup> July 2017	Bhaskaracharya Pratishthana	State Level	Attended	
Dr. S. G. Latpate	National conference on Pure and Applied Mathematics.	27 <sup>th</sup> -28 <sup>th</sup> , April 2017	Department of Mathematics Nowrosjee Wadia College, Pune	National	Attended and Presented	On some new nonlinear integral inequalities with delay
Dr. S. G. Latpate	A Symposium in Mathematics	22 <sup>nd</sup> July 2017	Bhaskaracharya Pratishthana	State Level	Attended	
Dr. V. S. Jadhav	National conference on Pure and Applied Mathematics.	27 <sup>th</sup> -28 <sup>th</sup> , April 2017	Department of Mathematics Nowrosjee Wadia College, Pune	National	Attended and Presented	The New Iterative Method for Approximate Solution of Time Fractional Kdv, K(2,2), Burger, and Cubic Boussinesq Equations
Dr. V. S. Jadhav	A Symposium in Mathematics	22 <sup>nd</sup> July 2017	Bhaskaracharya Pratishthana	State Level	Attended	

Dr. Aditi S. Phadke	National conference on Pure and Applied Mathematics.	27 <sup>th</sup> -28 <sup>th</sup> April 2017	Department of Mathematics Nowrosjee Wadia College, Pune	National	Attended and Presented	A Combinatorial Identity about the set of presumed minimal solutions of the Multipeg Tower of Hanoi Problem.
Dr. Nilesh Mundlik	INNOVATION 2016	7th Oct 2016	BCUD SPPU	State	Attended and Presented	On prime ideals in partially ordered set
Dr. Nilesh Mundlik	National Conference on Discrete Mathematics	20 <sup>th</sup> -22 <sup>nd</sup> , February 2017	BCUD SPPU	National	Attended and Presented	Baer ideals in partilly ordered sets
Dr. Nilesh Mundlik	National conference on Pure and Applied Mathematics.	27 <sup>th</sup> -28 <sup>th</sup> , April 2017	Department of Mathematics Nowrosjee Wadia College, Pune	National	Attended and Presented	On some new nonlinear integral inequalities with delay
Dr. Nilesh Mundlik	A Symposium in Mathematics	22 July 2017	Bhaskaracharya Pratishthana	State Level	Attended	
Dhanashree Deshpande	National conference on Pure and Applied Mathematics.	27 <sup>th</sup> -28 <sup>th</sup> April 2017	Department of Mathematics Nowrosjee Wadia College, Pune	National	Attended	
Priyanka Katkar	National conference on Pure and Applied Mathematics.	27 <sup>th</sup> -28 <sup>th</sup> April 2017	Department of Mathematics Nowrosjee Wadia College, Pune	National	Attended	
Devendrasingh Thakur	National conference on Pure and Applied Mathematics.	27 <sup>th</sup> -28 <sup>th</sup> April 2017	Department of Mathematics Nowrosjee Wadia College, Pune	National	Attended	

### Department of Politics

Name of Faculty Member	Name of Conference / Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International / National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium	Title of Paper Presented in case of Presentation.
Anil Madhale	India's extended Neighbourhood Policy: New Perspective and Future Direction	6 <sup>th</sup> and 7 <sup>th</sup> January 2017	S.G.College of Arts, Science and G.P. College of Commerce, Shivale, Tal. Murbad, Dist. Thane	International	Presented A Paper	India Bangladesh Relations
Anil Madhale	Recent trends in Social and Political Movement	10 <sup>th</sup> and 11 <sup>th</sup> January 2017	S.B.B. alias Appasaheb Jedhe Arts, Commerce and Science College, Pune	State	Presented A Paper	A review of Social and Political Movements
Anil Madhale	Social Movements in Maharashtra	20 <sup>th</sup> and 21 <sup>st</sup> January 2017	Artss, Commerce and Science College, Satral, Tal. Rahuri, Dist. Nagar.	State	Presented A Paper	Social movements in Maharashtra
Anil Madhale	Changing Indian Foreign Policy	30 <sup>th</sup> and 31 <sup>st</sup> January 2017	Annasaheb Awate Arts, Commerce and Babu Genu Science College, Manchar	National	Presented A Paper	Indo- Russia Relations
Anil Madhale	Indian Constitution and Secularism	6 <sup>th</sup> February 2017	Indrayani Mahavidyalaya Talegaon Dabhade .	State	Presented A Paper	Understanding Secularism in Indian Constitution

## Department of Physics

Name of Faculty Member	Name of Conference/Symposium	Dates of the Conference/Symposium	Organizer of the Conference	Whether Conference is International/National/State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/Symposium	Title of Paper Presented in case of Presentation.
Dr. G. R. Aher	Indian Aerosol Science and Technology Association (IASTA),	5 <sup>th</sup> -7 <sup>th</sup> December 2016	Physical Research Laboratory, India	International	Oral Presentation	Diurnal and monthly variability of black carbon aerosols during pre-monsoon season at environmentally distinct observing sites
Dr. G. R. Aher	Indian Aerosol Science and Technology Association (IASTA),	5 <sup>th</sup> -7 <sup>th</sup> December 2016	Physical Research Laboratory, India	International	Poster Presentation	Estimation of short-wave aerosol direct radiative forcing at high altitude and coastal locations in western Maharashtra
Dr. G. R. Aher	Indian Aerosol Science and Technology Association (IASTA),	5 <sup>th</sup> -7 <sup>th</sup> December 2016	Physical Research Laboratory, India	International	Poster Presentation	Radiative properties of aerosol mixtures observed over Arid and Island AERONET station
Dr. G. R. Aher	Indian Aerosol Science and Technology Association (IASTA),	5 <sup>th</sup> -7 <sup>th</sup> December 2016	Physical Research Laboratory, India	International	Poster Presentation	Aerosol and ozone influence on the UV erythemal irradiance
Dr. F. I. Surve	Frontiers of Research in Speech and Music, ISBN 978-93-81693-07-3; 11-12 Nov. 2016	11 <sup>th</sup> -12 <sup>th</sup> November 2016	Jadavpur University	International	Paper Presentation	Helmholtz resonator based computational algorithms assist in bass reflex design for direct radiator loud speakers

Dr. L. M. Chaudhari	Indian Science Congress 2017	3th -7 <sup>th</sup> January 2017	HRD/UGC	National	Attended and presented	---
Dr. S. S. Warule, S. R. Kate	Physics Laboratory Experiments	9 <sup>th</sup> January 2017	BCUD and Ahmednagar College, Ahmednagar.	State	Attended	-
Mrs. R. F. Surve	Frontiers of Research in Speech and Music, ISBN 978-93-81693-07-3; 11-12 Nov. 2016	11 <sup>th</sup> -12 <sup>th</sup> November 2016	Jadavpur University	International	Paper Presentation	Power Spectrum analysis of Tabla – the basic percussion instrument used in Indian classical music

### Department of Psychology

Name of Faculty Member	Name of Conference/ Symposium	Dates of the Conference/ Symposium	Organizer of the Conference	Whether Conference is International/ National/ State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/ Symposium	Title of Paper Presented in case of Presentation.
Dr. V. Borkar	Late. Prin. Dr. B.S.Bharage Memorial National Conference	20 <sup>th</sup> - 21 <sup>st</sup> January 2017	BCUD S.P.P.U.	National Conference	Attended and Presented	Dr. Yeshwant Manohar and kalakruti Ramai: Ek Samajik and Bhavanik Aandholan.



## Department of Zoology

Name of Faculty Member	Name of Conference/Symposium	Dates of the Conference/Symposium	Organizer of the Conference	Whether Conference is International/National/State Level	Whether Faculty member Only Attended/ Presented or Was Resource Person at the Conference/Symposium	Title of Paper Presented in case of Presentation.
Dr. Veena Rambal/ Sadhvani Bhavna	1) <i>Global Environment all Issues, Challenges and Solutions</i>	23/09/2016	Ahemdnagar Jilha Maratha Vidya Prasarak Samaj's New Arts, Commerce College, Parner	International Conference	Attended	-----
Dr. Veena Rambal/ Sadhvani Bavna	2) <i>"Environment and Development"</i>	09/09/16 and 10/09/2016	Dr. B. N. Purmdare Arts, Smt. S. G. Gupta Commerce and Science College, Lonavala	National Conference	Attended	
Dr. Veena Rambal/ Dr. A. V. Andhale	3) <i>"Animal Dissection – Need and Alternatives"</i>	3/2/17 and 4/3/17	S.G. Gupta College, Lonavala	National Conference	Attended	
Dr. Veena Rambal/ Dr. Sangita Kudale/Ms. Kanchan Phatak/ Dr. Ruchira Raina / Trupti Tondarkar/ Sadhwani Bhavna/ Abhishek Buxi/ Dr. Sangeeta Sinha	4) <i>"Concepts in Molecular Biology"</i>	27/09/2016	Shikshan Prasarak Mandals, Sir Parshurambhau College, Pune	State Level Symposium	Attended	
Dr. R. M. Pawar	Climate change : Assessment Impact its relevance to India held	4th and 5th March, 2016.	S.P. College, Pune	National Conference	Presented	Participated and made on oral presentation on "Diversity and conservation of fresh water fishes of Chaskaman Dam Rajgurunagar part of Northern Nester Chats and their role of endemicity"

Dr. R. M. Pawar	"Recent Trends in Life Science"	10th and 11th July 2016	S.M. Joshi College, Hadapsar, Pune,	National	Published in the Proceedings of the conference (Page no. 46-51. ISBN (Print) 978-93-5235-362)	"Diversity and Composition of Fresh Water Fishes in Bhima River, Rajgurunagarpart of Northern Western Ghat"
Dr. Kudale S. R	"International Conference on "Global Environmental Issues, Challenges and Solutions"	Date: 23 <sup>rd</sup> September 2016	Ahmednagar Jilha Maratha Vidya Prasarak Samaj's, New Arts, Commerce College, Parner	International Conference	Paper presented	1. Oral Presentation: "DIVERSITY OF LESSER SARDINES WITH REFERENCE TO FOOD AND FEEDING IN <i>SARDINELLA FIMBRIATA</i> OF KARWAR COAST"
Dr. Kudale S.R.	Attended Two days State Level Conference on 'Conservation of Biodiversity'	Venue: V. C. E Society's, Abedanamdar	Dates: 17 <sup>th</sup> and 18 <sup>th</sup> February	State Level Conference	Attended	
Dr. Kudale S. R.	"National Conference on "Environment and Development"	Date: 9 <sup>th</sup> and 10 <sup>th</sup> September 2016	Lonavla Education Trust's Dr. B. N. Purndare Arts, Smt. S. G. Gupta Commerce and Science College, Lonavla	National Conference	Presented paper	1. Oral Presentation-TITLE: "ANALYSIS OF LENGTH WEIGHT RELATIONSHIP OF FRINGE SCALE SARDINE, <i>SARDINELLA FIMBRIATA</i> (CUV. and VAL.) FROM KARWAR COAST"
Dr Kudale S. R.	National Conference on " Pure and applied mathematics "	Date: 27 <sup>th</sup> and 28 <sup>th</sup> April 2017	Nowrosjee Wadia College, Pune.	National Conference	Presented paper	2. Oral Presentation: "STUDY OF BIOMETRIC CHARACTERS IN FISH AND THEIR PRACTICAL APPLICATIONS IN FISHERY BIOLOGY"

Dr. A. V. Andhale	Recent Trends of computer Science, Applications and Computational Mathematics	Dated 22 <sup>nd</sup> and 23 <sup>rd</sup> Dec 2016.	Indira College of commerce and Science, Pune.	National Conference	Participated and Presented research paper on,	“Integral Inequalities for Biological Modals” in national conference on,
Dr. Andhale A .V.	National conference on, “ Animal Dissection-Need and Alternatives ”	Dated 3 <sup>rd</sup> and 4 <sup>th</sup> Feb 2017.	Dr B N. Purandare Arts, Smt. S. G. Gupata Comers and Science College, Lonawala Tal-Mawal, District Pune (MS, India)	National conference	participated and presented a research paper	
Dr. Andhale A .V.	“ Current trends in Life Sciences for Rural Improvment ”	Dated 30th January 2017.	held at RajashriShahu Arts, Commerce and science College, PathriTq. Fulambari, District Aurangabad (MS, India)	National conference	Participated and presented a research paper .	
Dr. Somnath Balbhim Waghmare	Two Day National Conference on- “Biodiversity need ”	22 <sup>nd</sup> and 23 <sup>rd</sup> September 2016.	Lonawala Education societies B.N.PurandareCollege Arts, Science and Commerce, Lonawala, Maval .	National	Attended	
Dr. Somnath Balbhim Waghmare	Animal Dissection : Need and Alternatives ”	04 <sup>th</sup> and 05 <sup>th</sup> February 2017.	Lonawala Education societies B.N.PurandareCollege Arts, Science and Commerce, Lonawala, Maval .	National	Attended and Presented a paper	Physicochemical and immunological studies of MHC
Kanchan Phatak	XL All India Cell Biology Conference at Gwalior, India	17 <sup>th</sup> -19 <sup>th</sup> November 2016	Cell biology association of India	International	Presented a paper	Leucism in drosophila: response to silver metal stress”

Kanchan Phatak	Chemistry of Chalcogens”	13 <sup>th</sup> -14 <sup>th</sup> January 2017	Department of Applied Chemistry, DIAT, Pune	National	Presented a paper	“Biological impact of zinc on survival of Drosophila melanogaster
Trupti Tondarkar	<u>National Symposium</u> on “Accelerating Biology”	17 <sup>th</sup> -19 <sup>th</sup> January 2017	Centre for Development of Advanced Computing (C-DAC), Pune	National	Attended	--
TruptiTondarkar	<u>National Symposium</u> on “Recent Trends in Biology”	16 <sup>th</sup> -17 <sup>th</sup> March 2017	Department of Zoology, Savitribai Phule Pune University	National	Attended	--

## 2.6 Innovative processes adopted by the Department in Teaching and Learning:

- Teachers of the Botany Department delivered most of the lectures using Power-point presentations. Animated clips of life cycles of plants and concepts in Molecular Biology were shown during lectures for better understanding.
- Department of Chemistry organized outdoor studies and surveys, study tours and camps to make the subject more effective. Power point presentations, films and softwares were used to explain the subject matter in a lucid way.
- In Department of Chemistry coaching was given to students for various competitive examinations like IIT entrance examination, SET/NET and University entrance examination. Lectures by eminent scientists, personalities were arranged for students. Workshops, seminars, quiz competitions were organized to provide suitable platform for the students. Faculty members along with the students regularly visit renowned institutes such as NCL, IISER which gives them opportunity to interact with the eminent scientists of these institutes. Allowing selected students for small projects by providing free references, chemicals and infrastructure which help them to explore independently new experiments using research instruments. Recommending reference books and journals as per their needs from PG as well as main library which furnish their acquired knowledge. To cherish their problem-solving abilities we provide them questionnaires as home assignments.
- Students were encouraged to participate in activities like “Avishkar” to motivate them to work on research projects and share their ideas
- Projects at UG and PG level inculcate the habit of independent thinking, teamwork and the ability to face challenges.
- Use of Quiz and Crosswords for different subjects is made along with regular teaching to know the subject in depth
- Computer science Department make use of ICT in delivering lectures at PG level, and also for demonstration of programs in the classroom.
- Department of Economics conducted Class tests/ Seminars, Field Visits, Guest Lecture, Group Discussions.
- Department of Electronics showed Demonstration of advanced electronic devices such as robot, CCTV, mobile, etc.
- Department of Zoology used over-head projector and charts while teaching. Conducted seminars and group discussions for students. Power point presentations, videos, animations were shown to the students.
- Department of History- Along with audio-visual teaching methods, inter and intra class debate competitions were conducted and competitive exam guidance was given to the students. History special students were taken on visits to different places of historical relevance. Ms. P P Dasture took the students on a visit to Sri Lanka to get them to know about the history, culture and political administration of the country; students were made to visit the Sri Lankan Parliament, where they got to interact with the Members of Parliament and the Prime Minister Mr Ranil Wickreme Singhe. History special students were also made to attend and present research papers at the 3<sup>rd</sup> Biennial Conference of the International Association for Asian Heritage, University of Kelaniya, Sri Lanka, to build in them a flare for historical research and public speaking. Students were also taken to attend and participate in workshops and

conferences, for example, Ms.P P Dasture took the history students of FY/SY/TY BA, to attend and participate in the 3<sup>rd</sup> Annual Workshop on Explorations in Maharashtra, at the Centre for Archaeology in the Centre for Extra-Mural Studies, University of Mumbai, in order to know the latest happenings in the field of historical research. Field visits were also conducted to generate historical awareness. Ms.P P Dasture also took the history students on field visits to places of historical relevance in Pune and Maharashtra- to the Trishundya Ganpati, Shinde Chhatri, Shaniwarwada, Ajanta Ellora Cave, Daulatabad Fort , in order to inculcate a fondness for history.Dr J S Aniruddha and Ms. P P Dasture took the students to the Kesari Wada and the Pataleshwar Caves.

- Dr. F. I. Surve, Department of Physics, continued to develop and employ e-learning resources: website and online shares providing content for MSc II and TYBSc Physics courses  
viz.i. sites.google.com/site/worldacousticsii.www.slideshare.com/farhatsurve.

## 2.7 Total No. of actual teaching days during this academic year

Arts	Science
202	205

## 2.8 Examination/ Evaluation Reforms initiated by the Department (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)-

- Continuous comprehensive assessment of the Post Graduate students has been continued throughout the academic year 2016-17.
- Department of Botany conducted Open book test for F. Y. B. Sc. and S. Y. B. Sc. Students. Also Seminars were conducted for S. Y. B. Sc. and T. Y. B. Sc. Students of botany department so as to improve presentation skills. M. Sc. botany students participated in seminars and open book tests as per their syllabus.
- Department of Electronics conducted open book examination, group discussion, oral presentation, project like experiments as a part of credit system evaluation system.
- Department of Geography conducted MCQ tests, Seminars, Presentations as well as Open book examination for post graduate students. Seminars were conducted for the undergraduate classes.
- Department of History has introduced the project work including a viva along with routine assessment by an External and an Internal Supervisor for T.Y.B.A students.

## 2.9 No. of faculty members involved in curriculum restructuring/ revision/ syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

04	--	05
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**Annexure 2.9**

<b>Name of Faculty</b>	<b>Name of Workshop</b>	<b>Date and Organizer</b>	<b>Whether it was curriculum restructuring/revision/syllabus development</b>
P. P. Dasture	--	--	Member- BOS, St Mira's College
C. S. Nimkar	--	--	Member- BOS, St Mira's College
N. D. Abhyankar	--	--	Member- BOS, St Mira's College
H. R. Arvind	--	--	Member- BOS, St Mira's College
Reena Bharathi	--	--	Member- BOS, Computer Science, St Mira's College
Poonam Ponde	--	--	Member- BOS, Computer Science, St Mira's College
Dr. Veena Rambal	Syllabus framing workshop for S. Y. B. Sc.	17/01/2017	Restructuring of syllabus. S. Y. B. Sc. Zoology (Autonomous)
Dr. K. S. Bhosale	Syllabus framing workshop for S. Y. B. Sc.	19/01/2017 Fergusson College, Pune.	Restructuring of syllabus. S. Y. B. Sc. Botany (Autonomous)
Dr. A .S. Limaye	Syllabus framing workshop for M. Sc. II	23/01/2017 Fergusson College, Pune.	Restructuring of syllabus M. Sc. II Botany (Autonomous)
Poonam Ponde	Syllabus Restructuring	July 2016, St. Mira's College	Curriculum development for T.Y. B.Sc. Computer Science
Poonam Ponde	Curriculum Development	July 2016, SPPU	Curriculum development for S.Y. B.C.A.
Reena Bharathi	Syllabus Restructuring	July 2016, St. Mira's College	Curriculum development for F.Y. B.C.A
Reena Bharathi	Syllabus restructuring	Jan 2017, Dept of CS, SPPU	Curriculum development for M.C.A. (Science)
Dr. F. I. Surve	Approval and extensions of PG Science Courses and recognition of Research Centres	Savitribai Phule Pune University	Curriculum restructuring
S. R. Kate, Dr. S. S. Warule, S. S. Gaikwad	State level workshop on Physics Laboratory Experiments	Ahmednagar College, Ahmednagar	Syllabus development

**2.10 Average percentage of attendance of students: Exact percentage varies from class to class**

**2.11 Course/Programme wise distribution of pass percentage:**

Title of the Programme	Total no. of students appeared	Division				
		Distinction	I	II	Pass Class	Total No. Of Pass students
T. Y. B. A.	449	59	129	109	30	327
T. Y. B. Sc.	396	90	82	34	2	208
T. Y. B. Sc. (Comp. Sci.)	198	15	38	41	04	98
T. Y. B. Sc. (Biotechnology)	32	03	18	07	00	28
M. Sc.(Final year)	316	63	141	59	05	268
M. A.(Final year)	76	23	28	15	00	66

### 2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching and Learning processes:

IQAC encourages Faculty members to attend as well as serve as resource persons at syllabus revision workshops. IQAC conducts meetings with the Heads of the Departments to discuss their teaching learning plan for year at the beginning of the year and takes a review at the end of the year.

### 2.13 Initiatives undertaken towards faculty development

TYPE	Faculty / Staff Development Programmes	Number of faculty benefitted
1	Refresher courses	01
2	UGC – Faculty Improvement Programme	01
3	HRD Programmes	--
4	Orientation Programmes	05
5	Faculty exchange programme	--
6	Staff training conducted by the university	--
7	Staff training conducted by other institutions	02
8	Summer / Winter schools, Workshops, etc.	20
9	Others	12

**Annexure 2.13**

<b>Name of Faculty</b>	<b>Name of Programme</b>	<b>Date and Organizer</b>
Dr. Mahesh S Pandharpatte	Orientation programme conducted by university of Mumbai	4 <sup>th</sup> February – 3 <sup>rd</sup> March 2017 Academic Staff College, Mumbai.
Dr. Manjusha Musmade	Workshop on ‘Classroom Experiment’  Workshop on sexual Harassment of Women at Work place, Act 2013.	1 <sup>st</sup> February 2017. Meghnad Desai Academy and Fergusson College. Pune. 3 <sup>rd</sup> March, 2017 Nowrosjee Wadia College, Pune.
Sonali More-Madhale	1..Training course on Design and Evaluation of Innovation policies 2.Workshop on ‘Classroom Experiment’  3. Workshop on ‘Research Methodology and data Analysis’  4. Training Programme on sexual Harassment of Women at Work place, Act 2013 5. Workshop on sexual Harassment of Women at Work place, Act 2013 6. Workshop on Explorations in Maharashtra	20 <sup>th</sup> to 24 <sup>th</sup> March 2017. CTIER, CII AND UNU- MERIT 1 <sup>st</sup> February 2017. Meghnad Desai Academy and Fergusson College. Pune. 24 <sup>th</sup> , 25 <sup>th</sup> , 26 <sup>th</sup> February, 3 <sup>rd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> March 2017. Ness Wadia College of Commerce ,Pune  2 <sup>nd</sup> February 2017 Maharashtra State Commission for Women  3 <sup>rd</sup> March, 2017. Nowrosjee Wadia College, Pune. 16 <sup>th</sup> July 2016 University Mumbai
Ranjana Rathod	161 <sup>th</sup> General Orientation Program	HRDC, Savitribai Phule Pune University. 01 <sup>st</sup> to 28 <sup>th</sup> June 2016
P P Dasture	Refresher Course	December 2017, UGC, HRDC, University of Mumbai
P P Dasture	Faculty Development Program	June 2016, Department of Education and Extensive, SPPU.
P P Dasture	Staff training conducted by other institutions	March 2017, Ness Wadia College of Commerce
P P Dasture	Workshop	July, 2016 Centre for Archaeology in the Centre for Extra-Mural Studies, University of Mumbai and INSTUCEN Trust
P P Dasture	Workshop	3 <sup>rd</sup> March 2017, Nowrosjee Wadia College, in association with the Maharashtra State Commission For Women (MSCW) and People United against Sexual Harrassment (PUSH)



P P Dasture	One year diploma in Geopolitical and International relations	Aug 2016- May 2017, JRVGTI, DES, Fergusson College
P P Dasture	One year diploma in Underwater Archaeology	July 2016- Jun 2017, Deccan College, Post Graduate Research Institute
Dr. S. D. Shinde	Orientation Programme	Goa University (January-2017)
Anil Madhale	Training Course on Design and Evaluation of Innovations Policies	20 <sup>th</sup> to 24 <sup>th</sup> March 2017 Center for Technology, Innovations and Economic Research and Confederation of Indian Industry and United Nations University UNU-MERIT
Anil Madhale	One Day Workshop on awareness of The Sexual Harassment of Women at Workplace(Prevention, Prohibition and Redressal) Act 2013	03 <sup>rd</sup> March 2017 Nowrosjee Wadia College, Pune
Sachin Sanap	One Day Workshop on awareness of The Sexual Harassment of Women at Workplace(Prevention, Prohibition and Redressal) Act 2013	03 <sup>rd</sup> March 2017 Nowrosjee Wadia College, Pune
Dr. Veena Rambal / Dr. S. R. Kudale/. Kanchan Phatak/ Dr. Ruchira Raina /. Trupti Tondarkar/ Dr. Sangeeta Sinha	Seminar on “Tools and Techniques in Animal Sciences”	29 <sup>th</sup> September 2016. Ahmednagar College, Ahmednagar.
Dr. Veena Rambal	Sexual Harassment of Women at workplace (Prevention, Prohibition and Redressal) Act 2013, Funding Body : BCUD (SPPU)	St. Mira’s College for Girls, Pune on 2 <sup>nd</sup> February 2017.
Dr. Veena Rambal / Dr. Usha Ashtekar / Dr. M. S. Arora / Dr. S. R. Kudale/Dr. A. V. Andhale /Dr. S. B. Waghmare / . Kanchan Phatak/. Sadhvani Bhavna/ Dr. Gunwati V. Arak/ .Abhishek Buxi/ Dr. Sangeeta Sinha	Workshop on “ <i>Common Bird Monitoring Programme</i> ”	Department of Zoology, Nowrosjee Wadia College on 10 <sup>th</sup> February 2017

Dr. Veena Rambal/ Dr. M. S. Arora/ Dr. S. R. Kudale/ .Trupti Tondarkar/ Dr. Gunwati V. Arak	Workshop on “ The Sexual Harassment of Women at Workplace ( Prevention, Prohibition and Redressal) Act 2013	Department of Zoology, Nowrosjee Wadia College on 3 <sup>rd</sup> March 2017
Dr. Veena Rambal / Dr. Usha Ashtekar/ Dr. M. S. Arora/ Dr. S. R. Kudale / Dr. A. V. Andhale . Kanchan Phatak / Dr. Ruchira Raina/ .Sadhvani Bhavna/ .Abhishek Buxi/ Dr. Sangeeta Sinha	One day lecture series on molecular biology, developmental biology and neurobiology at NWC.	Department of Zoology, Nowrosjee Wadia College on 4 <sup>th</sup> March 2017.
Dr. R. M. Pawar	National Workshop on "Recent Advances in Cell Biology and Molecular Biology"	5th and 6th February, 2016 organized by the Department of Botany and Zoology, S.P. College, Pune,
Dr. R. M. Pawar	UGC Sponsored Conservation and Climate National Seminar on "Current Trends in Biodiversity Change	24th and 25th February, 2016. Organized by the Department of Zoology, Bharati Vidyapeeth University, Yashwantrao Mohite College of Arts, Science and Commerce, Pune
Dr. Somnath Balbhim Waghmare	One week Training programme- “Challenges in Higher Education”	Department of Education and Extension Savitribai Phule Pune University Pune; Dates: 05 <sup>th</sup> to 10 <sup>th</sup> June 2016; Sponsored by UGC- HRDC and Savitribai Phule Pune University
Kanchan Phatak	Two day state level workshop on bioinformatics and biostatistics using R-software.	S.P. College, Pune.
Dr. R. M. Pawar	National Workshop on "Recent Advances in Cell Biology and Molecular Biology"	Organized by the Department of Botany and Zoology, S.P. College, Pune
Dr. R. M. Pawar	2)UGC Sponsored Conservation and Climate National Seminar on "Current Trends in Biodiversity Change,	24 <sup>th</sup> and 25 <sup>th</sup> February, 2016. organized by the Department of Zoology, BharatiVidyapeeth University, Yashwantrao Mohite College of Arts, Science and Commerce, Pune
Dr. Ruchira Raina	Attended Inauguration of ‘Rotary Youth Leadership Award Programme’ (RYLA)	13 <sup>th</sup> January 2017 Organised by ‘Rotary Club of Poona Downtown’ at Suyog Sunder ji School (SSS), Wagholi,
Ms. Komal Dhumal	161 <sup>th</sup> General Orientation Program	HRDC, Savitribai Phule Pune University. 01 <sup>st</sup> to 28 <sup>th</sup> June 2016

Dr. S. P. Sutar	95 <sup>th</sup> General Orientation Program	HRDC, Goa University. 05 <sup>th</sup> January to 01 <sup>st</sup> February 2017
Poonam Ponde	Android Development	26 <sup>th</sup> – 31 <sup>st</sup> December 2016 at Department of Computer Science, SPPU
C. S. Nimkar	Workshop on teaching methods in Mathematics for B. Sc. (Computer Science) teachers of SPPU	Modern College of Arts, Science and Commerce, Pune
Mr. N.K. Bhagat	Workshop on dGPS and Total Station Survey on 13 <sup>th</sup> to 19 <sup>th</sup> Nov.16.	Department of Geography, Savitribai Phule Pune University, Pune
Mr. Y. N. Pawar	Workshop on dGPS and Total Station Survey on 13 <sup>th</sup> to 19 <sup>th</sup> Nov.16.	Department of Geography, Savitribai Phule Pune University. Pune

#### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	37 (Aided)	11 (Aided)	-- (Aided)	--
	75 (Non Aided)	21 (Non-aided)	--	02 (Non-aided)
Technical Staff	76 (Aided)	06 (Aided)	--	--

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/promote Research Climate in the institution

- As the main objective of the management and college is to create research atmosphere, thus, they always encourage faculty members to apply for research grants of reputed national and state funding agencies such as ISRO, SERB-DST, UGC, BCUD, SPPU etc.
- Many faculty members with undergraduate and post-graduate students carry out exceptional projects and participate in state , national seminar, conferences as well as in competitions like ‘Avishkar’ organized by Savitribai Phule Pune University at various levels.
- IQAC team members guide younger faculty members to write research projects to be submitted to various national funding agencies and thus transfer the research ideology.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	03	---	---
Outlay in Rs.	15,82,000/-	*1,42,00,000/-	---	--

##### Annexure: Projects Completed (Major)

Sr. No.	Name of Faculty	Funding Agency	Sanctioned Amount in Rs.
01	Dr. V. V. Chabukswar	BCUD-SPPU	15,82,000/-

##### Annexure: Projects Ongoing (Major)

Sr. No.	Name of Faculty	Funding Agency	Sanctioned Amount in Rs.
01	Dr. G. R. Aher	DST-SERB	45,00,000/-
02	Ms. P. P. Dasture	Bishop’s School	*80,00,000/-
03	Dr. S. P. Sutar	DST-SERB	17,00,000/-

\* The project is sanctioned to Bishop’s School and Ms. P. P. Dasture from Department of History, is the correspondent for this project.

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	05	03	07	--
Outlay in Rs.	9,00,000/-	9,40,000/-	14,90,000/-	--

##### Annexure: Projects Completed (Minor)

Sr. No.	Name of Faculty	Funding Agency	Sanctioned Amount in Rs.
01	Dr. V. V. Chabukswar	BCUD-SPPU	1,75,000/-
02	Dr. S. G. Latpate	UGC-WRO	1,50,000/-
03	Dr. N. D. Mundlik	BCUD-SPPU	1,55,000/-
04	Dr. M. S. Arora	BCUD-SPPU	2,20,000/-
05	Dr. SangitaPachkhande	BCUD-SPPU	2,00,000/-

**Annexure: Projects Ongoing (Minor)**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Funding Agency</b>	<b>Sanctioned Amount in Rs.</b>
01	Dr. L. M. Choudhari	BCUD-SPPU	2,70,000/-
02	Dr. R. M. Pawar	UGC	2,35,000/-
03	Dr. M. S. Arora	UGC	4,35,000/-

**Annexure: Projects Sanctioned (Minor)**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Funding Agency</b>	<b>Sanctioned Amount in Rs.</b>
01	Dr. S. S. Gadekar	BCUD-SPPU	2,00,000/-
02	Dr. V.V. Antad	BCUD-SPPU	2,75,000/-
03	Dr. S. D. Shinde	BCUD-SPPU	2,45,000/-
04	Dr. S. S. Warule	BCUD-SPPU	2,35,000/-
05	Dr. V. T. Borkar	BCUD-SPPU	1,20,000/-
06	Dr. R. M. Pawar	UGC	2,55,000/-
07	Ms. K.A. Phatak	BCUD-SPPU	1,60,000/-

**3.4 Details on research publications (See Annexure 3.4 for details)**

	<b>International</b>	<b>National</b>	<b>Others</b>
Peer Review Journals	37	04	00
Non-Peer Review Journals	00	00	00
e-Journals	07	00	00
Conference proceedings	00	03	00

### Annexure 3.4

Author name(s)	Title of the paper	Full name of the journal and number of volume, issue and pages	ISSN/ISBN	Impact Factor (if any)	Whether paper published in Journal/e-Journal/Conference Proceeding	Type National/International/Others	Whether Journal is Peer Reviewed/ Non Peer reviewed
Reena Bharathiet al	A distributed scalable computing facility for Big data analytics in Atmospheric Physics	Springer CCIS, Volume 721, PP 529 - 540	978-981-10-5426-3		Journal	International	Peer reviewed
Reena Bharathiet al	A distributed scalable parallelization of Fuzzy-cmeans algorithm	IEEEExplore	978-1-5090-2730-9		Journal (Digital library)	International	Peer reviewed
Poonam Pondeet al	An Exploratory Study of the Security Design Pattern Landscape and their Classification	<i>International Journal of Secure Software Engineering (IJSSE)</i>	1947-3036		Journal	International	Peer reviewed
Poonam Pondeet al	Knowledge Representation of Security Design Pattern Landscape Using Formal Concept Analysis	<i>Journal of Engineering Science and Technology</i>	1823-4690		Journal	International	Peer reviewed
Poonam Pondeet al	An Analytical Study of Security Design Patterns	21 <sup>st</sup> European Conference on Pattern Language of Programs (EuroPLoP'16)			Conference Proceedings published by ACM	International	Peer reviewed
Poonam Pondeet al	Hierarchical Cluster Analysis on Security Design Patterns	International Conference on Advances in Information Communication Technology and Computing			Conference Proceedings published by ACM	International	Peer reviewed
Manjusha Musmade	Brexit	Parivartanacha Watsaru	2250-3143		Journal		

Manjusha Musmade	Contribution of N.V. Sovani	Arthanemi	978-93-24457-02-2		Conference Proceeding	National Conf.- Chandwad Nashik MH	
	Book Review- Microfinance	Arthasanwad Vol,-40 Issue-3	0973-8452		Journal		
R. M. Pawar	"Evaluation of antibacterial and antifungal activity of various concentration of Azadirachta indica (Neem) against human pathogenic bacterial and fungal strains" 3rd, February, 2016	Asian Journal of Multidisciplinary Studies	ISSN:2321-8819	1.498 Vol.4, Issue	e-journal	International	Peer reviewed
R. M. Pawaret. al.	Analysis of Physicochemical Properties of Water From Different Sources in and around Pune city" (Print)	Asian Journal of multidisciplinary studies	ISSN 2326-8819(on line) 2348-7186	1.498 Vol. 4 issue	e-journal	International	Peer reviewed
R. M. Pawaret. al.	Diversity and Composition of Fresh Water Fishes in Bhima River, Rajgurunagar part of Northern Western Ghat	Proceedings of the UGC Sponsored National Conference on "Recent Trends in Life Science" 10 <sup>th</sup> and 11 <sup>th</sup> July 2016	ISBN (Print) 978-93-5235-362)	---	Proceedings (National)	National	----
SomnathWaghmareand VirenGomase	Ab initio Structural Insights and Functional Analysis of Thioredoxin Glutathione Reductase from Schistosomajaponicum	J ApplBioinformaComputBi olVol: 5 Issue: 2 doi:10.4172/2329-9533.1000126	ISSN: 2329-9533	Journal Impact Factor: 1.0 * TM	e-Journal	International	Peer Reviewed

Kanchan Phatak <i>et. al.</i>	“Particle size independent induction of leucism in <i>Drosophila melanogaster</i> by silver: nano vs. micro	RSC Metallomics, 8(12): 1243-1254.	1756-591X	3.975	e-Journal	international	Peer reviewed
Geeta Pillai <i>et. al.</i>	Assessment of Groundwater Suitability for Drinking and Irrigation Purpose in the Dimbhe Command Area of River Ghod, Maharashtra, India	Journal of Water Resource and Protection, Scientific Research Publishing, 2016 (4) pp-142-157	ISSN online 2327-4344		Journal	International	Peer Reviewed
Geeta Pillai <i>et. al.</i>	Hydrogeochemistry of Groundwater from Different Aquifer in Dimbhe Command Area of Ghod River, Maharashtra India	Journal of Water Resource and Protection, Scientific Research Publishing, 2017 (9) pp-656-662	ISSN online 1945-3108		Journal	International	Peer Reviewed
U. R. Khare N. Bhagat <i>et.al.</i>	Urban Sprawl: A temporal Study of the Impact of the IT parks in Pune Using Remote Sensing	Transaction, Indian Intitute of Geographers, Vol. No. 38 no. 1 Pg. No 25	ISSN-0970-9851		Journal	National	Peer Reviewed
U. R. Khare <i>et.al.</i>	Assessing the Impact of IT parks on Surrounding Villages using GIS: A case study of Hinjewadi and Talwade IT park Pune,	International Journal of Geomatics and Geosciences, Volume 7 No.1, pg. No 44-54.	ISSN -0976-4380		eJournal	International	Peer Reviewed
A. A. Dhorde <i>et.al.</i>	Spatial distribution of temperature trends and extremes over Maharashtra and Karnataka States of India,	Theoretical and Applied Climatology, doi: 10.1007/s00704-016-1876-9.	ISSN: 0177-798X (Print) 1434-4483 (Online)	Impact Factor : 2.640 Citations :1	Journal + online	International	Peer Reviewed



R. S. Kolapkaret. <i>al.</i>	Morphometric analysis of Vincharna watershed, Maharashtra and calculation of surface runoff using ArcCN tool of ArcGIS.					International	
R. S. Kolapkaret. <i>al.</i>	“Comparative study of the Two different remotely sensed data set with respect to morphometric analysis of Vincharna River.”					International	
P. P. Dasture	‘Anglican Scholastic Heritage in Poona (1818-1947.	‘Historicity’, Vol II, Issue; IX May 2016.	ISSN: 2393-8900	0.4521 UIP		International	Peer reviewed
R.T. Shisode	Enhanced field emission characteristics of a 3D hierarchical HfO <sub>2</sub> -ZnO Heteroarchitecture	ChemistrySelect, 2, 2305-2310	DOI:10.1002/slt.20161723		eJournal	International	Peer Reviewed
G. R. Aheret. <i>al.</i>	Investigation of temporal variability of total column ozone over a tropical urban, high altitude and coastal stations in Western Maharashtra	International Journal of Remote Sensing, 38 (5): 1197-122	--	1.65	Journal	International	Peer Reviewed
G. R. Aheret. <i>al.,</i>	Multi-Year Analysis of Aerosol Properties Retrieved from the Ångström Parameters for Different Spectral Ranges over Pune	Aerosol and Air Quality Research, 16: 3266–3280, 2016	ISSN: 1680-8584	2.539	Journal	International	Peer Reviewed

F. I. Surve <i>et al</i>	Helmholtz resonator based computational algorithms assisting bass reflex design for direct radiator loudspeakers	Proceedings of the 22nd International Symposium on "Frontiers of Research in Speech and Music" (FRSM-2016), 11-12 Nov. 2016; pp.163-168	ISBN 978-93-81693-07-3	---	Conference Proceeding	Nat.	Non Peer reviewed
R. F. Surve, K. V. Desa, D. Joag	Power Spectrum analysis of Tabla – the basic percussion instrument used in Indian classical music	Int. Jour. of Scientific and Engr. Research	ISSN 2229-5518	---	Journal	International	Peer reviewed
R. F. Surve, K V Desa, D. Joag	Power Spectrum analysis of Tabla – the basic percussion instrument used in Indian classical music	Proceedings of the 22nd International Symposium on "Frontiers of Research in Speech and Music, 11-12 Nov. 2016	ISBN 978-93-81693-07-3	---	Conference Proceeding	Nat.	Non Peer reviewed
R. S. Devan, Y. R. Ma, M. A. More, R. T. Khare, V. V. Antad <i>et al.</i>	Promising field electron emission performance of vertically aligned one dimensional (1D) brookite (b)TiO <sub>2</sub> nanorods	RSC Advances, 6, 98722, 2017	ISSN:2046-2069	3.108	Journal	Int.	Peer reviewed
Prashant K Bankar, Mahendra S Pawar, Amit S Pawbake, Sambhaji S Warule, <i>et al.</i>	Spatially branched CdS–Bi <sub>2</sub> S <sub>3</sub> heteroarchitecture: single step hydrothermal synthesis approach with enhanced field emission performance and highly responsive broadband photodetection	RSC Advances,	ISSN:2046-2069	3.108	Journal	Int.	Peer reviewed
Prashant K Bankar, Sambhaji S Warule, <i>et al.</i>	Nanostructured BiOI–GO composite: facile room temperature synthesis with enhanced multifunctionality in field emission and photocatalytic activity	RSC Advances	ISSN:2046-2069	3.108	Journal	Int.	Peer reviewed

V.V. Chabuksware <i>t. al.</i>	Synthesis, Properties and Ammonia gas sensing applications of Poly-[1-(4-nitronaphthalen-1-yl)-2,5-di(thiophen-2-yl)-1H-pyrrole]; (Impact Factor 1.511);	Polymer-Plastics Technology and Engineering; 2017, Vol. 56, No. 3, pp 268–275,	ISSN 0360-2559 (Print),	(Impact Factor 1.48).	Journal	International	Yes, Peer Reviewed
V. V. Chabuksware <i>t. al.</i>	“Synthesis and characterization of methanesulfonic acid doped poly(2-chloroaniline), study of its physical properties and ammonia gas sensing application.”	Journal of Macromolecular Science, part A:Pure and Applied Chemistry; 2016, Vol. 53, No. 12, pp 768–772;	ISSN 1060-1325 (Print),	(Impact factor 0.85)	Journal	International	Yes, Peer Reviewed
V. V. Chabuksware <i>t. al.</i>	“Synthesis and evaluation of Analgesic, anti-asthmatic activity of (E)-1-(8-hydroxyquinolin-7-yl)-3-phenylprop-2-en-1 ones”	Arabian Journal of Chemistry; 2016 (9) pp704-712	ISSN 1878-5352	(Impact factor 3.725)	Journal	International	Yes, Peer Reviewed
V.V. Chabuksware <i>t. al.</i>	“A novel route towards the ultrasound assisted synthesis of polyindole-TiO <sub>2</sub> nanocomposite and evaluation of antibacterial activity”	Polymer-Plastics Technology and Engineering 2016, <a href="http://dx.doi.org/10.1080/03602559.2016.1163581">http://dx.doi.org/10.1080/03602559.2016.1163581</a> . 27 <sup>th</sup> Sep 2016, Ref Manuscript no. LPTE #1163581	ISSN 0360-2559	(Impact Factor 1.511)	Journal	International	Yes, Peer Reviewed
V.V. Chabukswar <i>et. al.</i>	“Ultrasound assisted M-bromocatalyzed one pot condensation approach for synthesis of Bis(indoyl)methane from primary alcohols	Current Chem. Lett. Vol-5, 2016	129-135	--	Journal	International	Yes, Peer Reviewed

V.V. Chabukswar <i>et. al.</i>	Thermal conductivity of polythiophene doped with iodine	Res. J. Mat. Sci. Vol-4, Issue-6, 2016	2320- 6055	--	Journal	International	Peer Reviewed
	A Novel Method to Quantify the Nucleophilicity of Dihydroxy Benzoic Acid Regioisomers by Polarography	Res. J. Chem. Sci Vol.6(12), 56-58, December (2016)	E-ISSN 2231-606X	1.25	e-Journal	International	Peer Reviewed
R.P. Yadav, B.B. Bahule, V.T. Borkar and V.T. Dangat	Rapid iodination kinetics of alkyl derivatives of aniline by iodine monochloride using competition technique: a quantitative assessment of substrate nucleophilicity	Res. J. Chem. Sci Vol. 7(2), 60-62, February (2017)	E-ISSN 2231-606X	1.25	e-Journal	International	Peer Reviewed
Y. M. Nandurkare <i>et. al.</i>	Study of Weathering of rocks using physiochemical analysis of Groundwater at the confluence of Mula-Mutha and Bhima Rivers, Maharashtra	Indian Journal of Applied and Environmental Sciences	2348-1056	--	Journal	National	Peer Reviewed
Y. M. Nandurkare <i>et. al.</i>	Assessment of Nitrate pollution in groundwater in eastern part of Pune district, India.	Ecology, Environment and Conservation	0971-765X	--	Journal	National	Peer Reviewed
R. P. Bhadane <i>et.al.</i>	Development and validation of an accurate, sensitive and reproducible RP-HPLC method for the estimation of vitamin D3 in pharmaceutical drugs and confirmation of the results by UV/Visible spectrophotometry,	Indian J. of applied research, Vol 7 (6), pg- 559-561, (2017)	I2249-555X	4.894	Journal	National	Peer Reviewed

S. B. Walke, S. L. Bonde, R. P. Bhadane	Quantitative assessment of relative reactivity of molecular halogens in the kinetics of halogenations of 2-methylethiazole in aqueous medium using hydrodynamics voltametry,	J. of current chemical and pharmaceutical sciences, vol 6 (3), pg-46-52, (2016)	2277-2871	--	Journal	National	Peer Reviewed
B. B. Bahule, C.B. Mhaske, S. B. Kalaskar and R. P. Yadav	A mild and efficient method for the preparation of substituted Benzimidazole derivatives from o-phenelynediamine and various aromatic aldehydes catalysed by cation exchange resins	Res. J. Chem. Sci Vol. 7(3), 40-63, March (2017)	E-ISSN 2231-606X	1.25	e-Journal	International	Peer Reviewed
B. B. Bahule, C.B. Mhaske, R. P. Yadav <i>et.al.</i>	Synthesis characterisation and biological evaluation of pyrimidine derivatives	International Journal of advanced research	ISSN – 2320-5407	-	Journal	International	Peer Reviewed
B. B. Bahule, R. P. Mahajan, S. B. Kalaskar <i>et.al.</i>	Isolation, Characterisation and physiochemical study of saponins derived from morusnigra plant	International Journal of advanced research	ISSN – 2320-5407	-	Journal	International	Peer Reviewed
S. B. Deokar <i>et. al.</i>	Evaluation of antibacterial and antifungal activity of various concentration of Azadirachta, indica (Neem) against human pathogenic bacterial and fungal strain	Asian Journal of Multidisciplinary Studies	ISSN-2021-8819 (53nline) 2348-7186 (Print) Vol. 4 (3)	1.49	Journal	International	Peer reviewed

S. L. Bonde S. B.Deokar <i>et. al.</i>	Kinetics of Rapid Chlorination of Imidazole by N-Chlorosuccinimide in Aqueous Medium and Study of Antimicrobial Activity of its Chloro Derivative	International Journal of Chemistry and Pharmaceutical Sciences	ISSN-2321-3132	---	Journal	International	Peer reviewed
S. B. Deokar K. Mutalik <i>et. al.</i>	Study of Antimicrobial potential and 'Phytochemical analysis of <i>Ocimumsanctum</i> (Tulsi) leaves extract	International Journal For Science and Research in Technology	ISSN No.2395-1052 Vol. 2: (7)	2.1	Journal	International	Peer reviewed
S. B.Deokar. K.Mutalik. <i>et. al.</i>	Synthesis of Microbial Biodegradable Starch- based Bioplastic	Asian Journal of Multidisciplinary Studies	ISSN-2021-8819 (54nline) 2348-7186 (Print) Vol. 4 (3)	1.49	Journal	International	Peer reviewed
S. B.Deokar <i>et. al.,</i>	Evaluation of Antimicrobial Activity and Phytochemical Analysis of <i>Zingiberofficinale</i> (Ginger) Rhizome Extract	International Journal of allied practice, Research and review	ISSN 2350-1294 Vol. 3: (1)	---	Journal	International	Peer reviewed
S. B. Deokar K. Mutalik <i>et. al.,</i>	Production of Biodiesel using waste temple oil from Shani Shingnapur temple (Dist.Ahmednagar),Maharashtra,India using chemical and biological methods	International Journal of Environment , Agriculture and Biotechnology'	ISSN-2456-1878 Vol 2: (1)	2.01	Journal	International	Peer reviewed

### 3.5 Details on Impact factor of publications: Impact factor range is 0 to 4.894

### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2016-2019	SERB-DST	46,00,000/-	16,00,000/-
	2014-2017	SERB-DST	17,00,000/-	7,00,000/-
	2015-2018	Bishop's School	80,00,000/-*	---
Minor Projects	2016-2018	BCUD, SPPU	2,75,000/-	--
		BCUD, SPPU	2,45,000/-	
		BCUD, SPPU	2,35,000/-	
		BCUD, SPPU	2,00,000/-	
		BCUD, SPPU	1,20,000/-	
		BCUD, SPPU	1,60,000/-	
		BCUD, SPPU	2,20,000/-	
		UGC	4,35,000/-	
		BCUD, SPPU	2,55,000/-	
		BCUD, SPPU	2,70,000/-	
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)				
Any other(Specify)			--	--
Total				

### 3.7 No. of books published

- i) With ISBN No.: 09 Refer Annexure 3.7
- ii) Without ISBN No.: 00
- iii) Chapters edited No.: 01

#### Annexure 3.7

##### Department of Chemistry

- Dr. B. B. Bahule published a book entitled "Advance Organic spectroscopy" by Lambert Academy Publishing (ISBN: 978-3-330-04259-9)

##### Department of Physics

- Dr. G. R. Aher published a book entitled "Aerosol-cloud interaction: a case study" by Science, Technology and Medicine open access publisher, UK (ISBN: ISBN 978-953-51-2843-4).
- Dr. G. R. Aher published edited a chapter entitled "Atmospheric Aerosols: Optical, Physical and Radiative Properties" in Research India Publication (RIP) (ISBN: ISBN 978-86138-12-5).

### Department of Botany

- Dr. S. S. Gadekar published a text book of T. Y. B.Sc. published by Success book publication (ISBN: 978-93-5158-376-9)
- Dr. S. V. Ahire published a text book of T. Y. B.Sc. (Cryptogamic Botany) published by Success book publication (ISBN: 978-93-5158-374-5)
- Dr. S. V. Ahire published a text book of T. Y. B.Sc. (Horticulture and Floriculture) published by Success book publication (ISBN: 978-93-5158-384-4)
- Dr. K. S. Bhosale published a text book of F. Y. B.Sc. published by Nirali publication (ISBN: 978-93-83750-15-3)
- Dr. K. S. Bhosale published a text book of S. Y. B.Sc. published by Nirali publication (ISBN: 978-93-51-64-284-8)

### Department of Computer Science

- H. R. Aravind published a text book Computer Organization published by Vision publication (ISBN: 978-93-5016-393-1)
- Vandana Babrekar published a text book Relational Database Management System published by Vision publication (ISBN: 978-93-5016-396-2)

### 3.8 No. of University Departments receiving funds from: NA

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges  Autonomy  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

### 3.10 Revenue generated through consultancy: Nil

### 3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	--	01	--	--	03 Workshop
Sponsoring agencies	--	SPPU and TMC	--	--	BNHS, MSCW, NWC

### 3.12 No. of faculty served as experts, chairpersons or resource persons: 24

3.13 No. of collaborations International: 01

National: 02 Any other: 01

### 3.14 No. of linkages created during this year: 04



- A MoU has been signed between Nowrosjee Wadia College and Training Institute of Poona Blind Mens' Association to set up a computer laboratory for visually impaired students in College.
- Nowrosjee Wadia College initiated a MoU with Science Education Initiative (SEI)-India, an International NGO that selects and trains UG and PG science students to become supplementary primary teachers at PMC schools and in low-income schools in order to improve the quality of science and mathematics education.
- As per the directions of Government of Maharashtra, CTSE of Nowrosjee Wadia College has signed a MoU with YASHADA, Pune for the selection and appointment of ST candidates for Maharashtra State Tribal Development Associates.
- CTSE has signed a MoU with M. J. College, Jalgaon

### 3.15 Total budget for research for current year in Lakhs:

From Funding agency	23,00,000/-		
From Management of University/College		13,71,453/-	Total <span style="border: 1px solid black; text-align: center;">36,71,453/-</span>

### 3.16 No. of patents received this

Type of Patent		Number	year
National	Applied	--	
	Granted	--	
International	Applied	--	
	Granted	--	
Commercialised	Applied	--	
	Granted	--	

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

Total	International	National	State	University	District	College
<b>06</b>	<b>01</b>	<b>01</b>	<b>01</b>	---	---	<b>03</b>

### Annexure 3.17

- Mrs. Reena Bharati received Best Poster Award at International Conference IBSS organized by Vidyapratishthan College, Baramati
- Dr. Anita Deshpande received best oral presentation award in National conference of Indian Council of Chemists held at H. V. Desai College, Pune on 22-24 December 2016.
- Dr. Veena Rambal Received Best Teacher Award on 3<sup>rd</sup> September 2016 from Shikshan Mandal, Pune Corporation.
- Dr. R. M. Pawar received M. V. Gokhale Award instituted by Nowrosjee Wadia College on 16<sup>th</sup> August 2016 on Scholar's Day.
- Dr Sangita Kudale was given Scholar's Day Award from Nowrosjee Wadia College for Academic achievement for her Ph. D. degree.

- Ms. P. P. Dasture was awarded the Platinum Jubilee Award, for excellence in academic, extracurricular and co-curricular activities in February 2017.

**3.18 No. of faculty from the Institution who are Ph.D. Guides: 14**

No. of Students registered under them: 22

**3.19 No. of Ph.D. awarded by faculty from the Institution: 02**

**3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)**

JRF  SRF  Project Fellows  Any other

**3.21 No. of students Participated in NSS events:**

University level: 100

State level: 00

National level: 00

International levels: 00

**3.22 No. of students participated in NCC events:**

University level

State level

National level

International level

University Level: Army – 45, Navy- 39, Air: 26      State Level: Army – 06, Navy- 10, Air-02

National Level: Army –12, Navy- 07, Air: 03

**3.23 No. of awards won in NSS:**

University level       State level

National level       International level

**3.24 No. of Awards won in NCC:**

University level       State level

National level       International level

University Level: Army –11, Navy-12, Air- 02      State Level: Army – 00, Navy-16, Air- 00

National Level: Army – 03, Navy-14, Air- 00

\*Ex-NCC Cadet Lt. H. S. Gill was selected at Officers' Training Academy (OTA) and currently serving in the 1<sup>st</sup> Assam Regiment of Indian Army. While, two Ex-NCC cadets, namely CQMS V. Golhar and Sgt. H. Kamanboina, are currently pursuing training at the Indian Military Academy (IMA) and OTA, respectively.

### 3.25 No. of Extension activities organized

University forum  College forum   
NCC  NSS  Any other

For details, please refer to Annexure 3.25

#### Annexure 3.25

##### ➤ University Forum

- 1) Department of Mathematics organized a ‘National Conference on Pure and Applied Mathematics’ on 27th and 28th April, 2017. The Conference was organized in honour of Dr. M. M. Andar, Principal, Ness Wadia College of Commerce. The Conference was partially sponsored by Savitribai Phule Pune University, Pune and The Mathematics Consortium. Dr. S. A. Boxwala was the Convenor of the conference and P. N. Shinde was Co-convenor.
- 2) NET-SET workshop was held for M.Sc. Chemistry students on 4<sup>th</sup> March 2017. Lectures were conducted by Dr. S.S. Pingale SPPU and Dr. Anup Thakur from NALCO.
- 3) Department of Zoology organized a one day workshop on “Common Bird Monitoring” in association with Bombay Natural History Society [BNHS] Mumbai on 10<sup>th</sup> February 2017.
- 4) Debating Society: The following are the activities conducted by the College Debating Society:
  - The College also conducted the prestigious annual intercollegiate H. H. The Raja of Sangli's Gokhale Cup Elocution Competition on 2<sup>nd</sup> February 2017.
  - The Late Mayadevi Chandanlal Sethi Trophy Intercollegiate Quiz Competition was conducted this year on 6<sup>th</sup> February 2017.
- 5) Department of Biotechnology organized an intercollegiate event of Biotech Fest called “Biotechcellence 2K17”.
- 6) Department of Botany organized 13<sup>th</sup> intercollegiate competition cum exhibition “BOTANICA-2017”. Guest lectures and Field tours were organized.
- 7) The Department of Computer Science organized event intercollegiate events namely ‘TechQriosity’ and ‘Concept Concretization’.
- 8) Department of Geography organized an intercollegiate event ‘Geographica-17’.
- 9) Department of Geology organized one day workshop on groundwater and remote sensing.
- 10) Department of Geology also organized a three-day intercollegiate event ‘Tectonia-17’.
- 11) Department of Mathematics organized an intercollegiate ‘Mathematical Treasure Hunt’ with a view to popularising the subject and to facilitate learning of Mathematics, thereby taking away the inherent fear of the subject. The events this year were Poster and Project Competitions. A ‘Mathematical Dance’ was performed in the Cultural sequel to the event.
- 12) Department of Psychology organized annual intercollegiate psychology festival ‘Beautiful minds – 2017’.
- 13) Department of Zoology organized a two day Intercollegiate Zooplanet on 24<sup>th</sup> and 25<sup>th</sup> of January 2017.

##### ➤ College Forum:

- 1) The College in association with the Maharashtra State Commission For Women (MSCW) and People United against Sexual Harassment (PUSH) organised a One day workshop on “Sexual

Harassment of women at work places (under the Prevention, Prohibition and Redressal Act, 2013)” on 3<sup>rd</sup> March, 2017 in order to sensitize and make aware the staff members and students about safety of women at workplaces. Dr. Soniya Nagrale and Dr. Alka Joshi delivered lectures for the participants.

- 2) The Wadians Alumni Association organized a blood donation Camp.
- 3) Staff Academy of the college organized recreational event in the form of Cricket Competition for the ladies and gents teaching and non-teaching staff in January 2017. Staff academy of the College organized a ‘Medical check up’ for teaching and non-teaching staff in association with Sahyadri Hospital.
- 4) An Extempore Speech Competition was conducted in the college during January 2017 by the Debating Society of Nowrosjee Wadia College.
- 5) Department of Botany conducted a study tour for F. Y. and S. Y. B. Sc. students to Mahabaleshwar to observe biodiversity. T. Y. B. Sc. students were taken to Malvali and Agriculture College, Pune. Study tour for PG students was organized at Mahad.
- 6) Department of Chemistry held a grand exhibition for UG and PG students, to apprise them the power of Chemistry. Silver jubilee Lecture competition was held in Feb. 2017. Chemistry exhibition was held on 25<sup>th</sup> January 2017.
- 7) Department of Computer Science, organized ‘Web-page designing’ competition for F. Y. B. Sc. (Computer Science), Case study designing competition for S. Y. B. Sc. (Computer Science) and ‘Graphics design’ competition for T. Y. B. Sc. (Computer Science).
- 8) The Department of Economics organized the departmental fest ‘ECOELSIOR’. The Faculty of the Department organises a unique programme- Academic Club wherein the teachers and students meet every month to discuss various important current issues such as demonetisation, central budget 2017-18, etc. The Department of Economics published a House Magazine ‘ECONOMICA’ in which all the teachers in the department contributed their articles on various socio-economic issues.
- 9) Department of Electronics organized a fest “Electrotech-17” on 27<sup>th</sup> January 2017.
- 10) Department of English organized The Annual Poetry Reading Competition for original works for U.G and P.G students in October 2016. They also organized an annual fest ‘Literaria 17’.
- 11) Department of French organized two competitions in January 2017: Translation competition and quiz about France and French culture. The department has initiated an interdisciplinary activity called ‘Copains de Wadia’ which conducts a topic based presentation.
- 12) Department of Geography conducted a study tour for S.Y. B.A., S.Y. B.Sc. and T.Y.B.Sc. to Karla caves and Begdewadi. F.Y. B.Sc. students were taken for an educational visit to the Indian meteorological department on 2<sup>nd</sup>, 3<sup>rd</sup> and 6<sup>th</sup> Fe. 2017.
- 13) Department of Geology organized field tours at Bagalkot, Kankauli, Panhala and Badami.
- 14) Department of Hindi enthusiastically celebrated ‘Hindi Divas’ on 14<sup>th</sup> September 2016. They also organized various competitions such as Essay writing, Elocution, Hand-writing, etc for students.
- 15) Department of History annually organises an intra-collegiate fest, the theme of which revolves around history-based activities, like Treasure Hunt, Know Your College, and other such.
- 16) Department of Marathi organized ‘Marathi Bhasha Gaurav Divas’ and a guest lecture on “Marathi and Employment opportunities’ was organized.
- 17) PhysiQuest- 2017 was organized by the Department of Physics.
- 18) Department of Politics organized a maiden fest ‘Pioneer 17’
- 19) Department of Psychology organized documentary screening on Psychopathy on the famous cases.

20) Department of Zoology organized a one day lecture series on “Molecular Biology, Developmental Biology and Neurobiology” on 4<sup>th</sup> March 2017. They also organized study tours to various places.

➤ **NSS**

- 1) NSS Special Winter Camp
- 2) Blood Donation Camp
- 3) Actively participated in the Swach Bharat Abhiyan in the college premises.
- 4) More than 50 NSS volunteers helped blind students as writers for university examinations.
- 5) Participation in Tree Plantation,
- 6) Celebrated International Yoga Day
- 7) Organized a Rally on AIDS day.
- 8) ‘Deepstambh’ was organized which includes competition for science as well as arts students.
- 9) Celebration of Birth anniversary of social reformers like Mahatma Gandhi, Savitribai Phule, Swami Vivekanand, Chattrapati Shivaji Maharaj, Mahatma Phule, Dr. Babasaheb Ambedkar etc.

➤ **NCC**

- 1) This year NCC cadets actively participated in various social service activities and community work. On 21<sup>st</sup> June, cadets participated in International Yoga Day along with the college staff.
- 2) Cadets undertook ‘Drug Abuse and Awareness Drive’ around the college campus by making charts and chanting slogans in August 2016.
- 3) Tree plantation programme carried out in the college campus along with NSS volunteers August, 2016.
- 4) Lt. Pramod Shinde and 2 cadets donated blood in August 2016 and Lt. Vikas Jadhav along with 4 cadets donated blood on 2<sup>nd</sup> February 2017, blood donation camps were held at Wadia College campus.
- 5) NCC cadets actively participated in ‘Swach Bharat Abhiyan’ during Sunday parades and took part in cleaning the College campus.
- 6) All cadets participated in spreading awareness about cashless transactions among students studying in Nowrosjee Wadia College.
- 7) In the month of October – 2016, NCC cadets actively took part in Swacchta Abhiyaan. They carried out this drive in our college, along with other areas of Pune city and two schools in the locality.

➤ **Any other:**

Many of our staff members are involved in the work of YASHADA Exam, MTS and GEE Examinations in various roles – Coordinators at different levels, on Board of Studies, as Paper setters etc.

### **3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility**

#### **C.T.S.E. conducted following activities in the year 2016 -17**

##### **➤ Maharashtra Talent Search Examination :**

- The prestigious Maharashtra Talent Search Examination was successfully conducted on 23<sup>th</sup> April 2017 by CTSE for the students studying in Std. VIII, IX and X. This was the 25<sup>th</sup> year of conducting the examination.
- This year 83802 students from 2935 schools of Maharashtra, Goa, part of Karnataka appeared for the MTS Examination at 573 centres across Maharashtra. Student Training programs were organized at many places in Maharashtra for the preparation of Competitive examinations.
- Teacher Training Programs and Head Masters Meetings were also organised in several places in Maharashtra. Interviews of top 815 students of X<sup>th</sup> were conducted and prize of Rs. 23 lakhs were awarded to 8763 students of class VIII, IX and X standards.

##### **➤ Graduate Excellence Examination – 2017**

- The Graduate Excellence Examination was conducted on 5<sup>th</sup> February 2017 across Maharashtra for the students doing graduation / post-graduation.
- The examination was held at three levels viz. F.Y., S.Y. and T.Y. and there were two streams for each level namely Administrative Services and Management Services.
- 272 Students from different colleges across Maharashtra participated in the examination.
- Group Discussion and Personal Interviews of Top 50 students of S.Y. and T.Y. level were conducted at Pune and Aurangabad. The prizes were distributed accordingly.

##### **➤ Entrance Examination for MSTDA, ACEC, YASHAD**

- CTSE conducted the entrance examination for the post “Maharashtra State Tribal Development Associates” by Dr. Ambedkar Competitive Examination Centre (ACEC), YASHADA for the seventh consecutive year.
- The entrance examination was successfully conducted at 06 centres across Maharashtra on 14<sup>th</sup> August 2016 and 1434 candidates from all over Maharashtra appeared for the Examination.

##### **➤ Entrance Examination for ACEC, YASHADA**

- CTSE conducted the entrance examination for the selection of candidates from different categories for the UPSC Preliminary Examination Coaching program which is conducted by

- Dr. Ambedkar Competitive Examination Centre (ACEC), YASHADA for the seventh consecutive year.
- The entrance examination was successfully conducted at 27 centres across Maharashtra on 20<sup>th</sup> November 2016 and 5461 candidates from all over Maharashtra appeared for the Examination.
  - Mahatma Phule Adhyasana and Samata Mandal organised various programmes throughout the academic year 2016-2017.
    - Birth anniversaries of eminent social reformers like Chhatrapati Shahu Maharaj, Lokshahir Annabhau Sathe, Krantijyoti Savitribai Phule and Chhatrapati Shivaji Maharaj were celebrated.
    - On 14th October 2016 Dhamma Chakra Pravartan Din was celebrated.
    - On 26th November 2016 Constitution Day was celebrated.
    - On 6th December 2016 Dr. Babasaheb Ambedkar Mahaparinirvan din was observed.
    - All the Five colleges on Campus came together to celebrate Mahatma Phule and Dr. Babasaheb Ambedkar Samyukta Jayanti Samaroh in April 2017. The Deputy Mayor of Pune Municipal Corporation, Hon. Navnath Kamble, an eminent ex Wadian inaugurated the Samyukta Jayanti Samaroh on Mahatma Phule Jayanti on 11th April 2017. During these grand celebrations lectures by eminent literary figures like Dr. Manohar Jadhav, Prin. Dr. M.M. Andar, Principal, Ness Wadia College of Commerce and eminent Scholar on Constitution, Hon. Member of Legislative Council, Maharashtra State Hon. Jaydeorao Gaikwad were held. The teaching, non teaching staff and students from all 5 colleges on campus participated in the celebrations.
    - A unique event called '14 taas salag abhyas' was organised for the students on 14<sup>th</sup> April 2017
  - The College has a 'Foreign Students' Forum' which guides the foreign students in various aspects.

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	17.6 acres	--	--	17.6 acres
Class rooms	48	--	--	48
Laboratories	49	--	--	49
Seminar Halls	01	--	--	01
Important equipments purchased during the current year with value (Comp. Equipments) (in Rs.)	1,64,45,821/-	18,08,231/-	Self Finance	1,82,54,052/-
Value of major equipment purchased ( $\geq 25,000$ ) during the year (in Rs.) (PCR, UV trans illuminator, Gel Electrophoresis unit, Scientific microwave, Digital balance, Colorimeter, Weighing balance, synthesis machine, gas sensor system, Xerox machine etc.)	1,58,20,736/-	9,74,185/-	BCUD and Self Finance	1,67,94,921/-
Others (Furniture, Fixtures, Library Books) (in Rs.)	89,67,132/-	86,830/-	Self Financing	90,53,962/-
Assembly Hall	01	--	--	01
Computer Centre for visually impaired students	01	--	--	01
Green House	--	--	--	01
Botanical Garden	01	--	--	01
Laboratory for visually impaired	01	--	--	01

#### 4.2 Computerization of administration and library:

- The College has a Central library with a huge reading room for students and separate reading cubicles for staff. The College also has a Post Graduate Library with its own reading room. Digitalization of the Library is in progress.
- Over the years all processes related to examinations, student admissions, leaving certificate have been computerized and are now done by using 'Vridhi' software.



- Most of the departments have computers with internet facility and much of their administrative work is computerized.
- In the Computer Science department the attendance system of the students is completely computerized.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value in Rs.	No.	Value in Rs.	No.	Value in Rs.
Text Books and Reference Books	1,14,791	--	564	3,93,084/-	1,15,355	--
e-Books	--	--	--	--	--	--
Journals	--	--	57	52,472/-	--	--
e-Journals	--	--	--	--	--	--
Digital Database	--	--	--	--	--	--
CD and Video	--	--	--	--	--	--
Others (Magazines and periodicals)	--	--	--	50,993/-	--	--

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet connection	Browsing Centres	Computer Centre for visually impaired students	Office	Departments	Others
Existing	392	13	02	13	--	21 (Grant) 13 (No Grant)	306	07
Added	49	--	--	11	Centre-01 (10 computers)	02 (Grant)	36	01 (Exam section)
Total	441	13	02	24	01	36	342	08

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

- The college provides internet facility with a 4 mbps dedicated connection from BSNL and 2 mbps from Reliance Communications. Most of the departments are connected by a secured firewall through switches. Departmental computers are connected through one

more level of switch to the Internet. A fibre optic line is laid out to improve internet access speed.

- Technical training Institute, Hadapsar of Pune Blind Men’s Association along with the college has designed a special computer lab with internet facility for visually impaired students.
- Principal’s office and Vice-Principals’ offices have BSNL and RELIANCE dedicated internet connections.
- M.Sc. Computer Science Laboratory has a separate WiFi facility.

#### **4.6 Amount spent on maintenance in Rs.:**

i) ICT (in Rs.) (Internet, software and maintenance to computers A/c)	15,97,634/-
ii) Campus Infrastructure and facilities (in Rs.) (Repairs and maintenance A/c)	11,93,291/-
iii) Equipment (Lab expenses A/c) (in Rs.)	39,77,003/-
iv) Others (Sanitation and Cleaning A/c) (in Rs.)	71,335/-
<b>Total:</b>	68,39,263/-

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

i) Initiated MoU with Science Education Initiative (SEI)-India, a NGO that selects the UG and PG science students and trains them to become supplementary primary teachers in PMC schools and in low-income schools. The first batch of 14 students has been placed for training under this scheme. These students earn Rs. 3000/- pm at UG level and Rs.15000/- pm at PG level and in turn they implemented for the betterment of science and mathematics education at school level.

ii) IQAC guides writers who assist visually impaired students to write the examination papers.

#### 5.2 Efforts made by the institution for tracking the progression

The IQAC ensures that students are made aware of the Student Support Services through regular notices put up on notice boards and on the college website, through teacher – student interaction and also through periodic meetings with the students.

Students are made aware regarding:

- 1) Scholarships and Free-ships available for various categories of students. Students are enlightened regarding different scholarships available and encouraged to fill online forms
- 2) Reservation of seats for specific categories of students
- 3) Students' Aid Fund
- 4) Samata Mandal: For promoting the ideals of social and economic equality
- 5) Earn and Learn Scheme
- 6) Support for Physically Impaired Students
- 7) Foreign Students' Forum : a platform for overseas students
- 8) Debating Society
- 9) Medical Assistance for students: Compulsory Health check up, Health Centre on the campus; Health Insurance etc. Doctor is available in Health Centre on the campus.
- 10) Organising Coaching for competitive Examinations
- 11) Skill Development and Counselling Services
- 12) NCC: To promote sense of nation building through preliminary military preparedness.
- 13) NSS: To imbibe social awareness through social service in college, Pune city and nearby villages.
- 14) Sports: To nurture team spirit and physical fitness.

#### 5.3 (a) Total Number of students:

UG: 931(Non Grant) + 2505 (Grant) = 3436

PG: 1024 (Non Grant) + 42 (Grant) = 1066

Ph. D.: 30

(b) No. of students from other states: 176

(c) No. of international students: 123

Men and Women: Men: 953 (NG) + 1687 (G) = 2640      Women: 1002 (NG) + 1290 (G) = 2292

Number	Percentage
2640	53.53

Number	Percentage
2292	46.47

	2015-16						2016-17					
	General	SC	ST	OBC	Physically Impaired	Total	General	SC	ST	OBC	Physically Impaired	Total
Grant	945	387	112	222	73	1666	1433	453	118	303	50	2357
Non Grant	1194	208	70	236	01	1969	1278	242	44	387	04	1955

**Demand ratio:**

**Number of Applications Received for the year 2016-2017:**

Sr. No.	Course Name	No. of Applications Received	No. of students	Demand ratio
	<b>UG</b>			
1	F. Y. B. Sc.	1221	519	1:2.35
2	F.Y.B.A. (Grantable )	920	387	1:2.38
3	F. Y. B. Sc. Computer Science	708	172	1:4.11
4	F. Y. B. Sc. Biotechnology	101	48	1:2.10
5	F.Y. B.A. (Non Grantable )	604	268	1:2.25
	<b>PG</b>			
1	M.Sc. Physical Chemistry (Grantable)	372	24	1:15.5
2	M. Sc. Electronics	50	24	1:2.08
3	M. Sc. Physics	298	24	1:12.41
4	M. Sc. Petroleum Technology (Applied)	85	19	1:4.47
5	M. Sc. Geography	48	24	1:2.00
6	M. Sc. Chemistry	372	144	1:2.58
7	M. Sc. Zoology	74	25	1:2.96

8	M. Sc. Botany	40	25	1:1.60
9	M. Sc. Computer Science	552	60	1:9.20
		248	30	1:8.26
10	M. Tech ( Industrial Mathematics with Computer Applications)			
11	M. A. English	86	46	1: 1.86
12	M. A. Economics	115	60	1:1.91
13	M. A. Psychology	87	23	1:3.78

### Drop-out%

#### 5.4 Details of student support mechanism for coaching for competitive examinations:

- The Department of Mathematics trains students for the Madhava Mathematics Competition, IIT JAM and University Entrance Examination.
- Many teachers are involved in delivering lectures under the banner of Graduate Excellence Examination (GEE). These lectures provide guidance to students in their subjects as well as careers. GEE is a unique activity of Nowrosjee Wadia College aimed at preparing students in all aspects of the Civil Services Examinations. There are three different examinations for students of first year, second year and third year. There are two parts to this examination – one is the written examination and the other is a Personal Interview/ Group Discussion. Teachers of our college are involved in guiding, conducting the examination, assessment as well as evaluation.
- Most of the college teachers provide informal career counselling to students.

No. of students beneficiaries: GEE: 272

Others: 110

#### 5.5 No. of students qualified in these examinations:

NET	05	SET/SLET	04	GATE	02	CAT	--
IAS/IPS etc	--	State PSC	--	UPSC	03	Others	01

#### 5.6 Details of student counselling and career guidance

- The Disha Counselling Centre handled various cases of students' counselling. The counsellor met and guided students showing an unusual behaviour and pattern of remaining absent or misbehaving in class.
- Workshops on 'Life Skills' were organized throughout the year for the students. Students from various departments benefitted from them.
- TechQriosity is a unique intercollegiate event organized every year for post graduate students by the Department of Computer Science. The event comprised of an inter-collegiate post-Graduate competition as well as a series of seminars delivered by experts from the Industry. The Department of Computer Science organized the competition "Concept

Concretization Contest (C<sup>3</sup>)”, for PG students. It was a team event and 37 teams participated, from colleges all over Pune. All these teams were mentored by very senior experts from IT industry. The seminars were organized on 11<sup>th</sup> February 2017.

- Projects at UG and PG level inculcate the habit of independent thought, teamwork and facing a challenge
- The students of Department of History are provided with guidance for competitive exams as well as opportunities for overseas studies.

### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
<b>Number of Organizations Visited</b>	<b>Number of Students Participated</b>	<b>Number of Students Placed</b>	<b>Number of Students Placed</b>
20	191	38	62

### 5.8 Details of gender sensitization program

- The main objective of the Women’s Forum is to prepare women of the 21<sup>st</sup> century to face the challenges of life more efficiently and effectively by organizing various workshops and training sessions. College in association with the Maharashtra State Commission For Women (MSCW) and People United against Sexual Harassment (PUSH) organised One day workshop on “Sexual Harassment of women at work places (under the Prevention, Prohibition and Redressal Act, 2013)” on 3<sup>rd</sup> March, 2017 in order to sensitize and make aware the staff members and students about safety of women at workplaces.

### 5.9 Student Activities:

5.9.1 No. of students participated in Sports, Games and other events ( See Annexure 5.9.1)

State/ University level: 27      National level: 10      International level: 00

No. of students participated in cultural events: 92

5.9.2 No. of medals /awards won by students in Sports, Games and other events

(See **Annexure 5.9.2**)

Sports:      State/ University level: 12      National level: 03      International level: 00

Cultural:      State/ University level: 00      National level: 00      International level : 00

Other: 00

## Annexure 5.9.1

### National Level:

1. Mr. Kunal Gandhi participated in fencing Senior National Championship held at Raipur Chattisgad and was also selected to represent Pune University in the West Zone Inter University games held at Bhopal.
2. Irranggar Haileuyige represented Pune University in the West Zone Inter University Football Competition held at Bhopal.
3. Miss. Debanjana Rajak represented Pune University in the West Zone Inter University Table-Tennis competition held at Ahmedabad.
4. Priya Dodke participated at the MTB National Cycling Competition.
5. Sharanya Shetty won the Silver Medal in National Lawn Tennis doubles competition held at Andheri Mumbai.
6. Arya Gadekar participated in National Golf competition.
7. Premkumar Honnale won the Gold Medal at the National Taekwando competition.
8. Pradeep Machale won the Bronze Medal at the National Level Taekwando competition.
9. Pratik Ubhe was selected in the National Trials in Basket Ball held at Amravati.
10. Omkar Gadade was selected in the National Trials in Basket Ball held at Amravati.

### State Level:

1. Mr. Arun Singh represented University in the West Zone Inter University Hockey Competition held at Gwalior. He is also selected to represent Savitribai Phule Pune University (SPPU) in the All India University Hockey Competition to be held in Delhi.
2. Shantanu Gadhve won the bronze medal in the Maharashtra State Ashtedo Akhada competition held at Bhandara.
3. Saurav Rajguru won the bronze medal in the Maharashtra State Ashtedo Akhada competition held at Bhandara.
4. Karan Kamthe won the Bronze Medal in the Maharashtra State Karate competition.
5. Priya Doke participated in the Maharashtra State cycling road race competition.
6. Sanika Kshirsagar was selected to participate in the Maharashtra State Cricket Womens competition held at Azam Campus, Pune.
7. Sanika Gaikwad was selected to participate in the Maharashtra State Cricket Womens competition held at Azam Campus, Pune.
8. Krushna Hiwarkar participated in the Maharashtra State Roller Skating competition.
9. Ketan Sarode was selected Inter Zonal football competition.
10. Lamtinmang Haokip was selected Inter Zonal football competition.
11. Mrunal Sandkar was selected Inter Zonal Boxing competition.
12. Akash Kargave was selected Inter Zonal Cricket competition.
13. Rishikesh Saphal was selected Inter Zonal Cricket competition.
14. Sara Anwar was selected Inter Zonal Hand ball competition.
15. Chaitanya Kulkarni won the Silver Medal in the divisional kick Boxing competition held at Solapur.
16. Shivam Patil participated in the divisional Carrom competition held at Solapur
17. Miss. Shruti Manapure participated in the divisional Lawn Tennis competition held at Solapur.
18. Miss. Renuka Vindvas won the gold Medal in the Shot-put and discuss event in district.

19. Shantanu Gadhve won the Bronze Medal in 200 meters run in district athletic competition.
20. Our Power lifter Pooja Gumbade won the gold Medal in the Inter Collegiate Powerlifting competition.
21. Mrunal Sondkar won the Gold Medal in light Middle Weight category.
22. Jyoti Jaybhaye won the Bronze Medal in Light Middle weight category.
23. Kunal Kale won the Gold Medal in Half Kido Boxing competition.
24. Shantanu Gadve won the Silver Medal in Half Kido Boxing competition.
25. Aishwarya Gole won the Gold Medal in Teng-Su-Du competition and also won the Gold Medal in Sikai Marshall Arts competition.
26. Shantanu Gadhve won the Gold Medal in the Thangta Marshal Arts competition.
27. Priya Dokhe participated in the Maharashtra State road Raceand Track Cycling competition.

**(Annexure 5.9.2)**

**Gold Medal:**

1. Premkumar Honnale won the Gold Medal at the **National Taekwando competition**.
2. Miss. Renuka Vindvas won the Gold Medal in the Shot-put and discuss event in district.
3. Our Power lifter Pooja Gumbade won the gold Medal in the Inter Collegiate Power lifting competition.
4. Mrunal Sondkar won the Gold Medal in light Middle Weight category.
5. Kunal Kale won the Gold Medal in Half Kido Boxing competition.
6. Aishwarya Gole won the Gold Medal in Teng-Su-Du competition and also won the Gold Medal in Sikai Marshall Arts competition.
7. Shantanu Gadhve won the Gold Medal in the Thangta Marshal Arts competition.

**Silver Medal:**

1. Sharanya Shetty won the Silver Medal in **National Lawn Tennis** doubles competition held at Andheri Mumbai.
2. Chaitanya Kulkarni won the Silver Medal in the divisional kick Boxing competition held at Solapur.
3. Shantanu Gadve won the Silver Medal in Half Kido Boxing competition.

**Bronze Medal:**

1. Pradeep Machale won the Bronze Medal at the **National Level Taekwando** competition.
2. Shantanu Gadhveand Saurav Rajguru won the bronze medal in the Maharashtra State Ashtedo Akhada competition held at Bhandara.
3. Karan Kamthe won the Bronze Medal in the Maharashtra State Karate competition.
4. Shantanu Gadhve won the Bronze Medal in 200 meters run in district athletic competition.
5. Jyoti Jaybhaye won the Bronze Medal in Light Middle weight category



## 5.10 Scholarships and Financial Support

	<b>Number of Students</b>	<b>Amount in Rs.</b>
Financial support from institution	135	90265/-
Financial support from government	560 (Grant)  + 322 (Non Grant)  = 882	24,46,505/- (Grant)  + 73,60,320/- (Non Grant)  = 98,06,825/-
Financial support from other sources Savitribai Phule Pune University	87	8,47,000/-

- Hindustan Petroleum Corporation Limited awarded scholarship of Rs. 1,82,000/- to 28 visually impaired students in year 2016-17.
- Help the Blind Foundation, Chennai has awarded scholarship of Rs. 1,90,000/- to 26 visually impaired students.

## 5.11 Student organised / initiatives

Fairs: University level: 00 National level: 00 International level: 00

Exhibition: State/ University level: 00 National level: 00 International level: 00

TechQriosity – A Seminar event completely organized by PG students every year.

## 5.12 No. of social initiatives undertaken by the students:

NCC, NSS and Student Welfare organized the following activities during the year.

Many students from the College participated in some of these activities.

- a) Two Blood Donation Camps
- b) Conducted the Swachh Bharat Abhiyan at the college premises, M.G. Road, Sadhu Vaswani Chowk, and also in 2 small schools in the locality.
- c) More than 50 NSS volunteers helped blind students as writers for university examinations.
- d) Tree Plantation on the Campus
- e) Celebration of International Yoga Day,
- f) A Rally was organized for AIDS day
- g) NCC Cadets undertook 'Drug Abuse and Awareness Drive' around the college campus by making charts and chanting slogans in August 2016.
- h) NCC cadets participated in spreading awareness about cashless transactions among students studying in Nowrosjee Wadia College.
- i) NCC cadets volunteered in spreading awareness regarding the Traffic Rules in Pune city on 6<sup>th</sup> October 2016

**5.13 Major grievances of students (if any) redressed:**

The departments, through continuous rapport with students ensure that there are no major grievances of students. Minor grievances like change of practical batch, change of division, change of project group are always redressed by the concerned faculty members immediately. Grievances of students are resolved through a Grievance Redressal Cell.

## Criterion – VI

### 6. Governance, Leadership and Management

#### 6.1 State the Vision and Mission of the institution

**Vision:** To provide a holistic all-round education to our young generations of students and to instil in them the true Wadian spirit embodied in the phrase “Sportsmanship on and off the field”.

**Mission:**

- To promote cultural and value education
- To maintain conducive environment for educational activities
- To encourage faculty to improve their qualifications and to keep abreast of latest developments in respective fields
- To promote Industry – Institution interaction
- To generate resources
- To encourage alumni activity
- To encourage students to become good, responsible, broad minded citizens equipped with necessary knowledge and moral values for meeting the needs of society.

#### 6.2 Does the Institution have a management information system

Yes. It uses ‘Vridhhi’ software and other software indigenously written and produced by the Department of Computer Science. These software enable

- Computerized admission process.
- Examination/result process.

The software make it possible to obtain reports regarding various aspects of students’ progress like yearwise/ departmentwise analysis of students’ results.

#### 6.3 Quality improvement strategies adopted by the institution :

##### 6.3.1 Curriculum Development

- Academic activities of the College are monitored by the Academic Council of the Modern Education Society.
- Heads of Departments review academic activities of their Departments and guide the staff accordingly
- Modern electronic devices such as Mobile phones, laptops were included in the curriculum of Vocational Electronic Equipment and Maintenance course.

##### 6.3.2 Teaching and Learning

- Standing Committee, Local Managing Committee and Heads of Departments together monitor the teaching-learning process in the College.

- Effective teaching is achieved by adopting several modern tools like Power-Point Presentations, open source software, films etc.
- Classroom attendance is taken regularly.
- Guest Lectures by eminent personalities are organised periodically by different departments for motivating the students, for guidance and for giving them a taste of cutting edge technology.
- The college has established regular contact with renowned Institutes like NCL, ARI, CMET, IISER Pune, IITM and IUCCA which the PG students visit regularly for project work. Students are exposed to a high level of research methodology and use of sophisticated instruments and facilities.
- Use of Quiz and Crosswords competitions for various subjects is made along with regular teaching to make learning of the subject enjoyable.

### **6.3.3 Examination and Evaluation**

- The Senior College Examination Committee looks after all aspects of the Examinations.
- The college appoints a faculty as Chief Examination Officer who is In-charge and responsible for all aspects of the Examinations, both Internal as well as External.
- Continued use is made of Examination Module of Vriddhi software approved by the Savitribai Phule Pune University.
- We continued to adopt a uniform pattern of marking scheme for the Internal Examination. The 10 internal marks for semester pattern and 20 internal marks for yearly pattern are decided on the basis of 30 and 60 marks question papers respectively which are then appropriately scaled down. Objective as well as subjective questions are asked in these question papers which prepares students for the final university examination which improves their performance.
- Credit Grade Based Performance Assessment and continuous evaluation was introduced by the University for the first time in 2013-14 for PG students and is continued since then. At least two regular tests are conducted for every course. In addition to this, surprise test, open-book tests, home assignments, seminars, group discussions and extension work are also included. The students are given a fair chance to earn the 50 marks in Internals as a part of continuous evaluation. Our faculty members strive to evaluate the students in a transparent manner. A credit handbook is issued to every PG student so that each student has a detailed record of his/ her evaluation.
- After every examination the paper setters write model answers to the questions before checking the answer sheets. These model answers are available for the students to go through in case of doubt. Answer sheets are checked after internal tests and shown to the students and their problems are addressed immediately.
- Many of the teaching Staff Members from the college are involved in examination work of the Savitribai Phule Pune University in various capacities.

#### **6.3.4 Research and Development**

- Many of our faculty members are recognised Ph. D. and M. Phil guides in Savitribai Phule Pune University and other Universities and they are actively involved in guiding students as well as faculties from other institutes as well. Several Departments of the college like Chemistry, Physics, Geography and Geology are recognized Research Centres of Savitribai Phule Pune University
- Our faculty members regularly attend conferences, symposia and workshops to keep abreast of the latest research and technology in their subjects. These conferences also help to create collaborations with faculties from other Institutes as well as to set up ties with other Institutions which in turn help with their work.
- The Heads of Departments encourage faculty members to take up minor and major research projects and some of them involve other members of the department as co-investigators to give them an opportunity to know about research methodology.
- The English Department has a Research club for M.A. students wherein the students along with a faculty member read an original paper based on literary texts.
- College encourages students to participate in Avishkar, a State Level Inter- University Research Project Competition for UG/PG/ Doctoral students. This is done with the aim of improving their research and development skills.

#### **6.3.5 Library, ICT and physical infrastructure / instrumentation**

- There is sufficient provision in the College Budget for purchase of latest books etc. and the stipulated budget is utilised before the end of the financial year. The Library Committee monitors purchase of books, journals, encyclopaedias, e-books and e-journals.
- Each department has a separate Purchase Committee which monitors their requirements, procures and processes quotations and recommends the Principal to issue Purchase Orders for equipment etc. that is required.
- Most of the PG lectures are conducted using Power Point presentations.
- Some teachers give Assignments to their students by sending a group email to the students.
- Computerized Attendance System is developed in-house and is regularly used by some of the departments to maintain students' attendance for lectures throughout the year.
- Students make temporary websites for online registration of different events.
- Different departments encourage students to familiarize themselves with the use of ICT. For instance :

- a) The Electronics and Computer Science students use circuit simulators to test their designs.
  - b) Electronics' students use CAD tools for PCB design (Electronics).
  - c) Geography students use GPS instruments for practical experiments on mapping.
  - d) Free Software is downloaded for the use of staff and students in the Mathematics department. Several other departments also follow this practice. Some of the open source software used in teaching which allow the students to do experimentation free of cost on their own are SCILAB, PSPICE, PHOENIX, TORA, LATEX, BIOEDIT, FASTA, BLAS and PHYLIP.
  - e) E-books or research papers are downloaded from the internet and made available to the PG students.
  - f) Exercises are given in the form of collecting information about a particular subject from internet. This makes students more aware and enables them to update their core knowledge of the concerned subject.
  - g) Various departments use animations in their Power point presentations to explain difficult concepts.
- Several departments show Films of academic interest to the students.
  - Dr. V. T. Borkar from Department of Chemistry prepared short films based on social awareness on key issues relevant to National interest like Swachh Bharat Abhiyan, eradication of blind faith etc. He was awarded with Certificate of Excellence for his short film "Speaking Hands" by Ministry of Information and Broadcasting and National Film Development Corporation Ltd.
  - Lecture and Seminar competitions for students are arranged by many departments and students are encouraged to use ICT tools for them.
  - Non-Teaching staff is given training in the use of computer software for office automation.

### **6.3.6 Human Resource Management**

- Modern Education Society is a Teacher Managed Society, the Staff can openly express their views, put forth their difficulties and interact frequently with the Management.
- There are three elected Local Managing Committee members from amongst the teachers. These members aid and assist the Management in smooth running of the college in accordance with the Maharashtra University Act.
- Each Head of Department conducts regular meetings at the department level to monitor smooth functioning of the department as well as takes feedback from each staff member regarding completion of the portion, whether he/she needs to conduct extra lectures, concerns related to students, etc. In many departments like the Chemistry department which is the largest department of the college several committees like Program and Hospitality, Purchase committee, Placement committee etc. are operating regularly and records of meetings and activities are regularly operative. This helps the smooth day to day working of the departments.
- Heads of departments encourage and depute faculty for participating in different seminars, conferences and workshops.
- Discussions of assignments and laboratory experiments take place in each department at the beginning of each term.

- Sharing of Power Point presentations takes place among staff members.
- When new faculty members join a department, the senior staff members discuss assignments, laboratory experiments and explanations with them and ensure that students get correct and sufficient guidance regarding newly introduced concepts and technologies in the syllabus. Similarly the Power Point presentations for different subjects prepared by senior staff members are circulated amongst other staff members to ensure knowledge transfer.
- Coordinators for- Arts Circle, Students' Welfare, NSS, NCC, Anti-Ragging Cell, Mahatma Phule Adhyasan, Placement Cell, Samata Mandal, Women's Cell, Staff Academy, Examination Committee, Vigilance Committee, Gymkhana Committee, Discipline Committee, UGC Committee, Admissions Committee ensure smooth functioning of the College.
- To encourage and appreciate the good work done by the teachers, felicitation of teachers for excellence in work at the time of Scholar's Day and Gymkhana Day is carried out. Dr. M. V. Gokhale award and the Platinum Jubilee award have been specifically instituted for this purpose.

### **6.3.7 Faculty and Staff recruitment**

- Modern Education Society carries out the actual Recruitment of Faculty and of Administration and Support Staff depending on the workload and availability of posts.
- Proper Selection procedures are in place for recruitment. Merit and reservation policies are strictly adhered to.
- IQAC monitors the academic progress of Teaching Staff by having a PBAS (Performance Based Appraisal System) and API inputs.

### **6.3.8 Industry Interaction / Collaboration**

- Placement Cell/ Placement Officer in various Departments conduct appropriate training/ placement activity and training sessions for students in various industry-related activities
- Some Departments have Industrial training as part of the course work and students are placed in Industries for a short duration of up to one semester.
- Industry professionals are included as judges for different competitions.
- Industry experts are invited for guest lectures, seminars, workshops etc.
- Interaction is carried out with industries such as All Angels, Community Systems, Arxxus Cloud Solutions, Contensphere Technologies, Equations Work, E – Techno lab, Harbinger Group, Harbinger Systems Pvt. Ltd, Winsoft Technologies, Avon, Sai Biotech, Cipla, Jubilant Chemsys, Pedilite and U. S. Vitamins.

### **6.3.9 Admissions of students**

- Admission of students is entirely based on Merit and reservation criteria as per State Govt. Rules and there is complete transparency in the entire process.

- UG students are admitted on the basis of merit and senior staff members as well as Heads of Departments carry out the counselling activity during the admission process to ensure that good, motivated students confirm their admission.
- For many of the PG classes there is an Entrance Examination conducted and admissions are on the basis of performance in this examination and TY results. Senior staff members set the paper for the entrance examination paper based on aptitude as well as core subject knowledge. PG admissions are carried out with proper counselling and with total transparency.

#### **6.4 Welfare schemes for :**

##### ➤ **Teaching and Non-Teaching Staff:**

- In association with Sahyadri Hospital, the College had organised a Medical Check-up Camp in the College campus for teaching and non-teaching staff members. Some basic tests like blood sugar, BMI, Blood Pressure etc. were checked and the staff members were also counselled on individual basis for improving their health profile.
- Group Insurance Scheme is available for staff.
- General Provident Fund facility for all eligible staff.
- Modern Education Society's Employees' Credit Cooperative Society offers loans at very nominal rates.
- Short term i.e. emergency loan of Rs. 20,000/-
- Long term loan of up to Rs. 12,00,000/- @ 10% interest
- The Employees can also invest money in the Society in Fixed Deposits/ Recurring Deposits and get better returns than other non-equity financial products in the market.
- Free of charge Gymnasiums made available for Staff.
- Free of charge Dispensary on the campus is made available for Staff.
- Non-teaching staff working in various Laboratories are given adequate training in Laboratory and Equipment Maintenance to ensure safety of one and all concerned.

##### ➤ **Students:**

- The college conducts the Earn and Learn Scheme funded by the University for Economically Backward Class students.
- The college attracts a large number of visually impaired students.
- The Louis Braille Writers Club which is functioning in the college for the last 6 years continued to help visually impaired students. The students of our college as well as volunteers from the society in general assist the visually impaired students as writers during their exam. They also help them in their day to day college activities including reading out study material to them and ancillary tasks associated with their academics.
- The college helps socially and economically backward students for getting various scholarships.



- Free of charge Yoga training is provided to the students in the Yoga Hall.
- Free of charge Gymnasium is made available for students.
- Free of charge Dispensary on the campus is made available for students.

**6.5 Total corpus fund generated: Rs. 4, 60,000/-**

**6.6 Whether annual financial audit has been done: Yes**

**6.7 Whether Academic and Administrative Audit (AAA) have been done?**

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	No	Yes	No
Administrative	No	No	No	No

**6.8 Does the University/ Autonomous College declare results within 30 days?**

For UG Programmes: NA

For PG Programmes: NA

**6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?**

Not Applicable

**6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?**

Not Applicable.

**6.11 Activities and support from the Alumni Association**

- The Alumni Association of the college registered this year and is now known as NWAA. Earlier this was known as the Wadians' Association and it has been active since 1958 meeting regularly twice a year viz. on 21<sup>st</sup> July, the College Foundation Day and on 15<sup>th</sup> February, the Society Foundation Day.
- Keeping up with the current trends and technology, Wadians connect through the internet via the Alumni Page on Face book.
- Alumni counsel the current students and provide placement information through talks.
- Several alumni have come forward and instituted prizes for merit holders and other students. These prizes are given away during the Scholars' Day and Gymkhana Day Prize Distributions.
- Tree plantation programmes are carried out on the campus.
- Participation in Blood Donation Camps in association with NSS and NCC.

- Organizes and sponsors inter-collegiate cricket, inter district ball badminton, hand ball games.
- Some prominent sportspersons who are alumni provide coaching in sports to the students.
- Provide feedback to start different courses depending on the need and demand of the Society and Industry
- On 15<sup>th</sup> April, 2017 the NWAA felicitated eminent academicians and politicians who are Alumni of the College. Among them was Deputy Mayor of Pune - Late Navnath Kamble.

### **6.12 Activities and support from the Parent – Teacher Association**

PTA meetings are often held. At such meetings parents give verbal feedback on issues related to various college activities including academic, curricular and co-curricular activities. This leads to subsequent corrective measures being taken to rectify lacunae if any.

### **6.13 Development programmes for support staff**

- The college actively encourages the non-teaching support staff to enhance their educational qualifications. Concession in fees is offered as an incentive to them for the above.
- Non-Teaching staff is given training in the use of computer software for office automation.
- Further the college encourages the clerical staff to appear for the MSCIT examination. They are also encouraged to go in for Spoken English and Business English courses which are held at the Centre for English and Foreign Languages in the Sister Institution – Ness Wadia College of Commerce.

### **6.14 Initiatives taken by the institution to make the campus eco-friendly**

- The campus is very green and beautiful. Periodically, tree plantation is carried out to increase the green cover even further.
- Rain Water Harvesting has been continued on the campus.
- Artificial Bird Nests have been put up this year too on trees to attract a greater bird population.
- Compost pits have been dug up from which fertilizers are obtained periodically and used for the plants.
- Solar water heaters have been in use on the hostels.
- Solar panels have been in use for lighting the roads in the campus.
- Lectures are arranged for students as well as staff to increase awareness regarding environment.

## Criterion – VII

### 7. Innovations and Best Practices

- a. Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.
- College initiated MoU with Science Education Initiative (SEI)-India, a NGO that selects the UG science students and trains them to become supplementary primary teachers in PMC schools and in low-income schools. The first batch of 14 students has been enrolled for training under this scheme. These students earn Rs. 3000/- pm at UG level and Rs. 15000/- pm at PG level. This is a significant contribution for the betterment of science education.
  - A computer lab has been set up in the college for visually impaired students in association with Technical Training Institute of The Poona Blind Men's Association.
  - Home Assignments, Seminars and Open Book Examinations for the PG students.
  - Pre-reading activity for Post-Graduate students with pre-test in every session
  - Mentoring Programme for students.
  - Hobby projects to develop interest amongst the students in their chosen subjects.

#### 7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Based on the inputs from students, the Heads of the departments take remedial action necessary for improvement.

#### 7.3 Give two Best Practices of the institution

7.3.1 The best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college are as follows-

##### Practice 1

a) **Title :**

Search for excellence from talented students

b) **Goal :**

The purpose of this activity is to bring out the talent among meritorious young students in schools and give them scholarships for pursuance of their goals.

c) **The Practice**

The Centre for Talent Search and Excellence conducts the prestigious Maharashtra Talent Search Examination (MTSE) for students studying in Std. VIII, IX and X

Classes. This year, 83,802 students appeared for this Examination. Students from 573 centres of various schools in Maharashtra, Goa and Karnataka appeared for the MTS Examination. Student Training Programs were organized at many places in Maharashtra for the preparation of Competitive examinations. Teacher Training Programs and Head Masters' Meetings were organised in several places in Maharashtra. The Examination was held on 23/04/17.

Graduate Excellence Examination (GEE) for students in their final year of graduation is conducted by the MTS. 272 students appeared for this examination on 05/02/17.

Pre-Medical and Engineering Entrance Examination was held for 306 students from 8 centres on 15/01/2017.

On behalf of Yashwantrao Chavan Academy of Development Administration (YASHADA) the MTS conducted examination for preparation of students for UPSC and MPSC examination for 5,461 students on 20/11/16. The YASHADA has entrusted the responsibility of selecting candidates for Maharashtra State Tribal Development (MSTDA) recruitment, to the MTS.

**d) Evidence of Success**

Rs. 23 lakhs were awarded as prizes to 8,763 students. Prizes for the current years MTS Examination will be given in the next academic year.

**e) Problems encountered and Resources Required**

Considering the large number of students enrolled for this project, we have to take assistance from various schools, junior and senior college teachers in the states of Maharashtra, Goa and Karnataka. This necessitated skilled manpower management and careful planning. For this, we generate our own resources by meticulous management.

**f) Context**

This exercise prepares students for National Talent Search and Competitive Examinations.

**Practice 2**

**a) Title :**

Special Assistance to Visually Impaired Students.

**b) Goal :**

Considering the sizable number of visually impaired students every year in different classes and their special need while writing examinations, this special assistance is devised.

**c) The Practice :**

The college attracts a large number of visually impaired students. The Louis Braille Writers Club which is functioning in the college for the last 6 years to help these students. The students of our college as well as volunteers from the society in general assist the visually impaired students as writers during their exams. They also help them in their day to day college activities including reading out study material to them and ancillary tasks associated with their academics. A computer lab has been set up in the college for visually impaired students in association with Technical Training Institute of

The Poona Blind Men's Association. Ten Computers are made available to the visually impaired students. A full time computer trainer has been appointed to teach computer to the visually impaired students.

**d) Evidence of Success:**

Many of these students are benefitted in getting jobs in banks and computerized offices by clearing their examinations by this special assistance.

**e) Problems encountered and resources required:** Special trainers are needed for this programme. They have to be hired from other institutions and transport has to be provided to them.

**f) Context:** Writers for visually impaired students have to be provided by the parent institution as a part of their social commitment.

#### **7.4 Contribution to environmental awareness / protection:**

- Compost pits have been constructed behind the College ground for waste recycling.
- The college has been implementing an elaborate rain water harvesting project for some years now. The project involves all five institutions on the campus as a result of which the water level in the campus has registered a significant growth. Due to this, barring drinking water requirements, this project has taken care of all the campus water requirements. It has become a permanent source of water for all the institutions on the campus.
- More artificial bird nests have been put up on several trees on the Campus so as to increase the bird population
- Some of the gymnosperms grown and conserved on the campus are Podocarpus elongatus, Juniperous communis etc. Our campus has in all 6 genera of the 16 found in India.
- Tree plantations were carried out on several occasions during the year.

#### **7.5 Whether environmental audit was conducted?**

Yes.

As a part of environmental awareness program, which is a compulsory subject under SPPU syllabus, S. Y. Students from all the departments undergo environmental conservation trainings. Under this initiative, the staff of Botany Department introduced the concept of In-house Green Audit to S. Y. students and other faculty members.

#### **7.6 Any other relevant information the institution wishes to add.**

- Women's Forum: Internal complaint for prevention of sexual harassment of women at work place (under the Prevention, Prohibition and Redressal Act, 2013)
- Cell for atrocities and Anti-Ragging committees are in place.
- Mentoring programmes are conducted. Every faculty member interacts closely with a few students throughout the year mentoring them.

- The Electro Acoustics Research Laboratory was setup in the Department of Physics by Late Dr. H. V. Modak, Reader in the Department of Physics as early as 1971. The Laboratory has the unique distinction of being the first of its kind, where research is carried out in Indian Musical Acoustics. The Laboratory has now diversified to conduct Research in building acoustics and noise control Techniques, facilities for which have now been setup.
- Some of the faculty members from the Computer Science department are engaged in preparing lab books used by all computer Science (UG) students of Savitribai Phule Pune University.
- Most of the Faculty members from the college have been appointed by Savitribai Phule Pune University as paper setters, moderators and examiners.
- Many Faculty members have worked as subject experts for Staff interviews at several colleges.
- Many Faculty members have worked as judges for various competitions both within the college and in other colleges
- Many Faculty members have participated actively in the NSS camp held at Dongargaon.
- A one week period is earmarked where all departments have their departmental fests either Intra or Inter Collegiate. The college is abuzz with quiz and competitions of all sorts.
- There is a Post Office on the campus and Banking Facility is also available within the campus
- The college has well equipped research laboratories for Atmospheric Physics, electro Acoustics, Nuclear Physics, Organic Chemistry, Geology, Bio Technology, Nano Technology, Botany, Zoology etc.
- The college boasts of a very big library with over one lakh books. A huge reading room and separate reading cubicles for staff are available.
- Doctor is available in the dispensary on the campus. Students and staff may avail of this facility free of cost.
- Debating Society: The following are the activities conducted by the College Debating Society:
  - 1) Elocution Competition: An Elocution Competition was conducted in the college in which students of Junior, Senior and PG classes participated.
  - 2) An Extempore Speech Competition was conducted in the college during January 2017.
  - The Late Mayadevi Chandanlal Sethi Trophy Quiz Competition was conducted this year on 6th February 2017.
  - The College also conducted the prestigious annual inter collegiate H. H. The Raja of Sangli's Gokhale Cup Elocution Competition on 2nd February 2017.
  - The college attracts a large number of International students over 10 to 12 countries. The college has a Foreign Students Forum, which guides and helps the foreign students in various aspects.
  - Our Campus has zero tolerance for eve teasing.
  - There is total ban on smoking and tobacco chewing in the campus.

### **Strengths:**

- Modern Education Society which manages the College is a Teacher Managed Society. Due to this there is a Liberal and free atmosphere for both faculty as well as students to express their views.
- The college runs a variety of UG and PG courses which cater to the needs of a large number of national and international students.
- A well established, well known Institution attracting excellent students and faculty
- Cosmopolitan and secular culture
- Well qualified research oriented faculty
- Good academic ambience and academic inputs supported by large number of co-curricular and extra-curricular activities
- Students of this college have brought laurels for their activities in sports.
- Students' potential to do research is encouraged by carrying out research projects at P.G. level.

### **Weaknesses:**

- Limited space.
- Declining student-teacher ratio.
- Being an affiliated college and no autonomy, the course contents do not match exactly the demands of Industry and Society.
- Less access to basic computer and internet facilities.

### **Opportunities:**

- Academic Autonomy.
- International Collaborations.
- Introduction of skill based and need based courses due to the introduction of the credit system at the Post Graduate Level.

### **Challenges:**

- Private players in the field.
- General decline of interest of students in the basic Sciences and in Humanities.
- Encourage students to take up new subjects and excel in their respective branches.
- Quality sustenance.

### **Plans of institution for next year**

#### **a) Infrastructure Development**

- Plan to start well equipped research laboratories for interdisciplinary research
- Plan to create maximum number of smart classrooms which can be shared by all departments
- Solar panel project is in the offing to promote energy saving in an eco-friendly manner.

- Overhaul of roads in the campus is also on the anvil.
- To start maximum Wi-Fi zones for students in the College campus.
- Provide more PCs for the use of students and teachers.

**b) Academics**

- Computer department plans to start need based course for PG students
- Computer department plans start remedial courses
- Arranging more workshops and guest lectures.
- Arranging more field works Encourage Interdisciplinary Projects and Research.
- Economics department plans to organize Workshop/Seminar on interdisciplinary topics
- To start a College Youth Club to foster student awareness and awakening on socially burning issues of the contemporary human community especially us Indians ; through discussions of news, articles of thinkers and film-shows

**c) Extra-curricular and Co-curricular**

- To expand co-curricular activities.
- To tie up with NGOs for activities for enhancing knowledge of students
- To organize inter-class and inter collegiate One Act Play Competitions.
- To make short films on social awareness emphasizing the virtues of equality humanity, humility and eradication of blind-faith.

**d) Sports Activities**

- Physical Education Department to organise Intercollegiate T-20 Cricket and Squash Championship.

**e) Environment Related**

- Carry out Energy and Environment Audits
- To involve students in counting and identifying different species of birds in Nowrosjee Wadia College Campus and create an Ornithological friendly environment
- Move towards more efficient and eco-friendly energy utilization in all the Departments
- Paper-less, eco-friendly inter-departmental communication

**f) Alumni**

- All alumni of the college would be encouraged to associate with their alma-mater at different levels. NWAA would take up a membership drive.
- To arrange meetings with alumni on one day each month for further boosting placement drive with their help and for developmental suggestions.

**g) Social Initiatives and Extension Activities**

- Besides the social initiatives carried out by NSS, the college takes up a few activities more through tie ups with Rotary Club and other NGOs.

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