



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 2015-2016.

Part – A

I. 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 Institution:	Dr. K. S. Venkataraghavan
Tel. No. with STD Code:	020-26169108
Mobile:	9890593331

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID

1.4 NAAC Executive Committee No. & Date:

1.5 Website address:

Web-link of the AQAR:

1.6 Accreditation Details

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

1.7 Date of Establishment of IQAC:

1.8 AQAR for the year:

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 28th October 2016.
- ii. AQAR 2011-12 submitted on 28th October 2016.
- iii. AQAR 2012-13 submitted on 29th October 2016.
- iv. AQAR 2013-14 submitted on 5th November 2016.
- v. AQAR 2014-15 submitted on 23rd November 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 Central/ 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

2.1 1 No. of Teachers	: 08
2.2 No. of Administrative/Technical staff	: 03
2.3 No. of students	: 01
2.4 No. of Management representatives	: 01
2.5 No. of Alumni	: 01
2. 6 No. of any other stakeholder and community representatives	: 01
2.7 No. of Employers/ Industrialists	: 00
2.8 No. of other External Experts	: 00
2.9 Total No. of members	: 17*
	* (01 Chairperson + 01 Coordinator)
2.10 No. of IQAC meetings held	: 02

2.11 No. of meetings with various stakeholders:

Faculty: 04	Non-Teaching Staff / 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.
- IQAC motivated each department to conduct student oriented activities to strengthen academics.
- Various intercollegiate events like Gokhale cup, Sethi trophy has been organized for the betterment of students overall knowledge.
- Planning of Programmes for the academic year, monitoring the programmes and reviewing the plan at the end of the year.
- Various programmes organised by staff academy for overall development of faculty and students like lectures on stress management, soft skill development etc.

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: 2015-16

First Term:

Sr. No.	Academics/ Events	Dates
1	Commencement of the Academic Year	15 th June 2015
2	College Foundation Day	21 st July 2015
3	First Mid-Semester Examination of B.Sc.	4 th week of August 2015
4	Scholar's day	7 th September 2015
5	NSS day	24 th September 2015
6	First Semester University Examination of B.Sc.	4 th week of October
7	Conclusion of first term	31 st October 2015

Second term:

Sr. No.	Academics/ Events	Dates
1.	Commencement of second term	30 th November 2015
2.	Term end examination of B.A	1 st and 2 nd week of December 2015
3.	NSS Camp	3 rd week of December 2015
4.	Extra and co-curricular departmental activities	3 rd week of January 2016
5.	Gymkhana day	29 th January 2016
6.	Sethi inter collegiate quiz competition	3 rd February 2016
7.	Gokhale cup elocution competition	4 th February 2016
8.	Second Mid-Semester examination of B.Sc.	2 nd & 3 rd week of February 2016
9.	University Annual Examination of B.A	2 nd week of April 2016
10.	Second semester University Examination of B.Sc.	4 th week of April 2016
11.	Conclusion of second term	30 th April 2016

Plan of Action	Achievements
<ul style="list-style-type: none"> Promoting teachers for refresher/orientation programs, workshops, conferences etc. 	<ul style="list-style-type: none"> 03 teachers successfully completed refresher courses and 08 teachers attended orientation programmes. 106 teachers participated in conferences, 04 teachers participated in workshops.
<ul style="list-style-type: none"> Encouraging students to participate in inter-collegiate and intra-collegiate competitions and events. 	<ul style="list-style-type: none"> Around 80 students participated in various intercollegiate events and competitions and brought laurels to the college. Department of Chemistry organized the Silver Jubilee lecture competition for PG Chemistry students.
<ul style="list-style-type: none"> Organizing competitions, soft-skill workshops for overall development of students. 	<ul style="list-style-type: none"> Several intra collegiate and inter collegiate competitions were organized by different departments for building camaraderie, promoting creativity and critical thinking.

<ul style="list-style-type: none"> Improving student evaluation procedures. 	<ul style="list-style-type: none"> The choice based credit system at the First Year and Second year PG students allow to initiate many activities like seminars, home assignments, group discussions, extension work etc.
<ul style="list-style-type: none"> Upgrading laboratory equipments. 	<ul style="list-style-type: none"> Computer laboratory, electronics equipments were purchased.
<ul style="list-style-type: none"> Encouraging teachers to take up major/minor research projects 	<ul style="list-style-type: none"> 8 teachers bagged major/minor research projects
<ul style="list-style-type: none"> Organizing competitions, soft-skill workshops for overall development of students. 	<ul style="list-style-type: none"> Various intercollegiate and intra-collegiate competitions were organized which included entries from 10 different colleges in and around Pune city. Department of Biotechnology, Computer Science also carried out various activities for developing team leadership qualities and working in a group. Tech and talent event organised by Department of Computer Science.
<ul style="list-style-type: none"> Active participation in curricular development at university level. 	<ul style="list-style-type: none"> Participation of teachers in syllabus restructuring workshops.
<ul style="list-style-type: none"> Organizing events highlighting duties and responsibilities of citizens 	<ul style="list-style-type: none"> Several activities like Cleanliness Drive, Voters Awareness Drive, Blood Donation camps, Yoga day, Constitution Day, Hindi Diwas, Marathi Diwas, Sanskrit Diwas, Cyber Crime Awareness Lecture, Financial Awareness for Women, Self-defence for Women, etc. were organised.
<ul style="list-style-type: none"> Strengthening Industry Interaction and Exposure 	<ul style="list-style-type: none"> Jubilant Chemsys Ltd. and Pidilite held campus interviews at the Department of Chemistry in which ten students were selected from the College 44 companies visited the campus for placement of Post-Graduate students in Computer Science and recruited 80 students. 02 organizations visited the campus for placement of Post-Graduate students in Chemistry and recruited 06 students. Several departments organized Industry visits and lectures by Industry experts
<ul style="list-style-type: none"> Expanding the reach of Extension activities 	<ul style="list-style-type: none"> Maharashtra Talent Search (MTS), Centre for Talent Search and Excellence (CTSE), conducted examinations for the standards VIII, IX and X throughout Maharashtra, Karnataka, Goa, and Gujarat in April

	2015. 106845 students appeared for the examination. 389 students appeared for Graduate Excellence Exam (GEE) conducted by CTSE. 4025 candidates appeared for Entrance Examination for UPSC Preliminary Examination Coaching program conducted by CTSE for YASHADA.
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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 03/10/16
- Revised draft presented before IQAS and approved with suitable changes on 20/10/16
- Presented before Management and approved by Management on 19/11/2016
- Uploaded on the college website www.nowrosjeewadiacollege.edu.in on 24/11/2016 at the following link: <http://nowrosjeewadiacollege.edu.in/aqar-2015-16/>

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 Annexure I	0	04	0
PG	17 Annexure II	0	17	0
UG	17 (08+07+02) Annexure III	0	02	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
Total	38	0	23	0
Interdisciplinary	01 Annexure IV	0	01	0

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 University of Pune, thereby providing flexibility in the curriculum.
- Academic flexibility is also available in the Choice Based Credit System for PG courses in which a student can earn credits from other Departments / Institutes through lateral mobility facility.

(ii) Pattern of programmes:

Pattern	Number of programmes
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	Manual	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 manual.

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, We receive mails from recruiters thanking for providing good employees. The letter from TCS states that our college is amongst the top 200 Colleges on the TCS Ignite employability index.

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) PG and UG syllabi are revised once in 5 years.
- 3) From the academic year 2015-16, modified T. Y. B. Sc. and T. Y. B. A. syllabi were implemented.

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
76 (Aided)	45	31	--	02*
07 (Non Aided)	04	03	--	--

*Others include Librarian, Director of Physical Education

2.2 No. of permanent faculty with Ph.D.: 40 (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
42 (Aided)	42	25	38	00	00	04	02	00	80	29
07 (Non-aided)	04	85	03	00	00	00	00	00	07	85

2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest	Visiting*	Temporary
31 (G)	33 (G)	12(G)
02(NG)	101(NG)	76(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 V**

No. of Faculty	International level	National level	State level
Attended	32	60	14
Presented papers	16	53	7
Resource Persons	NIL	2	4

2.6 Innovative processes adopted by the Institution in Teaching and Learning:

1. Our teachers used innovative methods for teaching-learning. Assignments comprising of objective as well as subjective questions were given to the under-graduate students after completion of every topic. Students were made to solve the objective questions in class and were quickly evaluated while the subjective questions were left to the students, for solving at home.
2. Subject related Quizzes were conducted, to improve student-teacher interaction in the classrooms.
3. The concept of pre-reading was introduced for PG students.

4. Use of ICT, in the form of Power Point slides was made for PG courses
5. Wall-magazines have been specifically introduced so that students can share their creative expressions in the form of articles, poems, sketches, quizzes. Technical information is also published periodically by the departments on the wall-magazine.
6. Student mentoring ensures their improvement in performance well in academics. Students get assured that they have someone to share their problems with.
7. Students are encouraged to learn more about the subject by participating in projects, posters, lecture competitions and participatory games arranged by different Departments.
8. The Department of Physics designed innovative Demonstration Experiments which helped the students to understand some difficult concepts.
9. Dr. Aditi Phadke was part of the online book writing committee of F.Y.B.Sc. Mathematics and F.Y.B.Sc. Computer Science appointed by the Board of Studies in Mathematics, SPPU. The Mathematics Department arranged a mathematical treasure hunt. 75 teams of 3 members each participated.
10. The Hindi Department organised an Essay Writing competition and a Poetry Reading competition in which students presented self composed poems.
11. The Marathi Department held several competitions for students like, Comedy Storytelling, Poetry reading, Essay Writing, Guest Lectures, and Handwriting.
12. The Psychology Department used Stimulated Peer Review Teaching Method and Experimental Learning. The department also screened psychological issue based short films and activities like mock crime scene investigations for students to have better understanding of psychological aspects.
13. The Geology Department holds Exhibitions on rare minerals, preserved butterflies, zeolites, dinosaurs' eggs and fish fossils from all around the world annually, since the last few years. The geological evolution of these specimens was explained to the students.
14. Students of the English Department were shown Short films and they were asked to write a commentary. The written script evolved into a short story. This activity was undertaken to explain the students the difference between a short story and a novel. Thus, students are introduced to the elements of the short story using audio-visual aids. During 'Literaria', the literary fest, students dressed up as characters and authors from different literary texts and helped students in understanding the characters, authors, genre and the text better. The English Department has a Research club. They also conducted activities like Play Reading, producing, directing and staging a play and screening films.
15. Audio Video Training is provided to Sportsmen by the Department of Physical Education.

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

Arts	Science
197	192

2.8 Examination/ Evaluation Reforms initiated by the Institution

- Continuous comprehensive assessment of the Post Graduate students has been continued throughout the academic year 2015-16.

- Open Book Tests were conducted for PG students and Group discussions were conducted on a regular basis for Post Graduate students.
- Various innovative practices were undertaken like compulsory seminars for credit system; home assignments, development of study material, literature survey etc. were given to PG students as a part of their continuous assessment and monitored through the year.
- Comprehensive teaching aids were implemented for UG as well as PG science students like crystal structure modules, use of power point presentations during practicals, study tour to various National Institutes and other esteemed departments were organized.
- Multiple Choice Questions were given to UG students as part of their Internal Assessment
- Studying research papers and writing a note on them was a part of the Internal Assessment of PG students.

2.9 Three faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development Workshop

T.Y.B.Sc. Practical Syllabus revision workshop was attended by three staff members of Department of Botany at Abasaheb Garware College, Pune on 5th December 2015. They were Dr. A. S. Limaye, Dr. S. R.Valvi & Ms. K. C. Dhmal

2.10 Average percentage of attendance of students:

Exact percentage varies from class to class. However, the average percentage is approximately 78.

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				Total No. Of Pass students
		Distinction	I	II	III	
T. Y. B. A.	490	38 7.75%	171 34.8%	123 21.3%	39 12.5%	371 75.71%
T. Y. B. Sc.	369	64 17.34%	106 28.72%	57 15.44%	6 1.62%	233 63.14%
T. Y. B. Sc. (Comp. Sci.)	142	6 4.22%	41 28.87%	30 21.12%	0 0	54.23%
T. Y. B. Sc. (Biotech.)	34	04 11.76%	17 50%	04 11.76%	0 0	73.53%
M. Sc.(Final year)	311	64 20.57%	116 37.29%	84 27.00%	1 0.03%	87.49%
M. A.(Final year)	166	136 21.68%	69 41.56%	43 25.90%	05 0.03%	92.64%

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

IQAC encourages the various departments of the college to periodically arrange syllabus revision workshops in collaboration with and with support from the University. Faculty members work as resource persons/ Heads of groups at such 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: **Refer Annexure VI**

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	03
UGC – Faculty Improvement Programme	--
HRD programmes	--
Orientation programmes	08
Faculty exchange programme	--
Staff training conducted by the university	--
Staff training conducted by other institutions	--
Summer / Winter schools, Workshops, etc.	04
Others	13

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	36(Aided)	12(Aided)	08(Aided)	--
	78 (Non Aided)	18(Non-aided)	--	02 (Non-aided)
Technical Staff	80	02	04	--

Criterion – III

3. Research, Consultancy and Extension

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

- National and international level research has been a prime objective of this institution over the last few decades. The year 2015-16 is not an exception. Many faculties are currently engaged in quality research across various scientific domains in the college.
- Our college has encouraged and supported many faculty members to apply for research grants from reputed national and state funding agencies such as ISRO, SERB-DST, UGC, and SPPU etc.
- As the research environment in the college campus is perfectly set to carry out research projects which not only benefit teachers but also many students from their Ph. D. and project research work.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	01	01	--
Outlay in Rs.	15,82,000/-	17,00,000/-	45,92,000/-	--

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	07	02	04
Outlay in Rs.	11,29,865/-	14,15,000/-	3,90,000/-	12,00,000/-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	27	05	--
Non-Peer Review Journals	--	--	--
e-Journals	--	--	--
Conference proceedings	16	17	04

3.5 Details on Impact factor of publications:

Sr. No.	Author Names	Title of the Paper	Name of the Journal	ISSN / ISBN	Impact Factor
1.	Dr. B. B. Bahule	Synthesis of a novel organocopper reagent and its synthetic utility as a potential reducing agent.	International Journal of Chemical Sciences	0972-768X.	0.16

2.	Dr. B. B. Bahule	A Synthesis of coumarin derivatives from readily available precursors and mild acid catalysts	Research Journal of Chemical Sciences	2231-606X	1.085
3.	D. R. Saxena	N-chlorosuccinimide as a potential reagent in the chlorination of the regioisomers of dihydroxy benzoic acid in aqueous solution: Structure activity assessment	Journal of Current Chemical and Pharmaceutical Science	2277-2871	--
4.	D. R. Saxena	A quantitative assessment of the relative reactivity of the regioisomers of resorcylic acid by hydrodynamic voltammetry	International Journal of Engineering and Science	2319-1813/805	0.898
5.	R. P. Yadav	Study of iodination of indole-3-butyric acid by aqueous iodine using hydrodynamic voltammetry	International Journal of Science Engineering and Technology	2348-4098/ 2395-4752	3.25
6.	P. D. Maske	A quantitative assessment of the comparative reactivity of pyridine in bromination and chlorination reactions in aqueous solution by molecular halogens using hydrodynamic voltammetry	International Research Journal of Science and Engineering	2322-0015	--
7.	V. T. Borkar	A quantitative assessment of the nucleophilicity of cytosine in aqueous solution by polarography complemented by hydrodynamic voltammetry	Oriental Journal of Chemistry	0970-020X	--
8.	V. T. Borkar	Rapid bromination study of nucleobase Uracil in aqueous medium by hydrodynamic voltammetry	Asian Journal of Chemistry	1871-1872	--
9.	V. S. Ghorpade	Rapid iodination of the isomers of aminobenzoic acid in aqueous medium by iodine monochloride	International Journal of Current Research in Chemistry and	2348-5221/ 2348-5213	--

		using hydrodynamic voltammetry : regiospecificity effect	Pharmaceutical Science		
10.	V. S. Ghorpade	The rapid iodination of salicylic acid in aqueous medium by iodine monochloride using hydrodynamic voltammetry	Research Journal of Chemical Sciences	2331-606X	--
11.	V. V. Chabukswar	An effect and Regioselective bromination of aromatic amines and phenols using lanthanum (III) nitrate hexahydrate as a catalyst.	Eur. Chem.Bull.	2063-5346	--
12.	V. V. Chabukswar	Synthesis and characterization of polyindole and its catalytic performance study as a heterogeneous catalyst	J. Chem.Sci.	DOI: 10.1007/S10039- 016-1040-1	--
13.	V. V. Chabukswar	Polyaniline-Haematite hybrid nanocomposite as a sensor for detection of ammonia gas	International Conference on Environmental systems and Sustainable Development	--	--
14.	A. V. Andhale	Effect of the vehicle discharge on growth of plant, Vigna aconitifolia and human health	Asian Journal of Multidisciplinary Studies	2321-8819/ 2348-7186	--
15.	Shrikant Sutar	Numerical taxonomy of Abelmoschus medic (Malvaceae) in India	Bangladesh Journal of Plant Taxonomy	1028-2092/ 2224-7297	--
16.	Shrikant Sutar	Phylogenetic informativeness of plastid region in inferring the species relationships among Cucumis species	Indian J.Genet.	DOI:1059.58/ 0975-6906	--
17.	Pravin Bhadane	Development of microcontroller based system for the diagnosis of PH Electrode	International Journal of Innovative Research in Science, Engg and Technology	2319-8753/ 2347-6710	--

18.	S. B. Walke	Kinetics of rapid chlorination of imidazole by N chlorosuccinimide in aqueous medium and study antimicrobial activity of its chloro derivative	International Journal of Chemistry and Pharmaceutical Science	2321-3132	--
19.	S. B. Deokar	Evaluation of antibacterial and antifungal activity of various concentration of Azadirachta indica (Neem) against human pathogenic bacterial and fungal strains	Asian Journal of Multidisciplinary Studies	2321-8819/ 2348-7186	1.498
20.	S. B. Deokar	Evaluation of antimicrobial activity and phytochemical analysis of zingiber officinale (ginger) rhizome extract	International Journal of Allied Practice, Research and Review	2350-1294	--
21.	R. M. Pawar	Analysis of physico chemical properties of water from different sources in and around Pune city	Asian Journal of Multidisciplinary Studies	2321-8819	--
22.	R. M. Pawar	Diversity and composition of fishes of chaskaman dam, Rajgurunagar, part of Northern western ghats, Pune, MS, India	Research Journal of Animal, Veterinry & Fishery Sci.	978-93-5235-362	--
23.	S. B. Waghmare	Redescription of Cotugnia digonopora (Pasquale 1890)(Cestoda:Davaineid ae) from Gallus Gallus domesticus	Asian Journal of Multidisciplinary Studies	2321-8819/ 2348-7186	--
24	Anargha Dhorde	Trends and Projection of temperature, precipitation and snow cover during snow cover-observed period over southwestern Iran	Theor Appl Climatol	DOI 10.1007/s00704-014-1287-8	2.01
25	Ujjwala Khare	Study of temporal changes in land-use / land-cover in the villages near it parks using remote sensing: A case study of Talwade IT park	Journal of Geomatics	-	-

26	Jyoti S. Aniruddha	Contribution of Puneite untouchables in Dr. Babasaheb Ambedkar's movement	Historicity Research Journal	ISSN: -2393-8900	-
27	Yogesh Pawar	Beach carrying capacity appraisal for coasts in Raigad district, Maharashtra, India	Research Journal for interdisciplinary Studies	ISSN 2319-4766	-
28	Yogesh Pawar	Determination of variation in physical and chemical properties of soil: A case study of Naner Basin, Mulshi Taluka, Pune district, Maharashtra	International Journal for interdisciplinary Research	ISSN 2277-9302	-
29	Yogesh Pawar	Morphometric analysis of Mutha valley catchment, Western Maharashtra	Indian Streams Research Journal	ISSN 2230-7850	-
30	Sambhaji Warule	Dramatic enhancement in photo response of beta – In ₂ S ₃ through suppression of dark conductivity by synthetic control of defect induced carrier compensation.	Applied Materials and interfaces	-	
31	Sambhaji Warule	Hierarchical nanostructures of Au@ZnO: antibacterial and antibiofilm agent	Applied Genetics and Molecular Biotechnology	DOI 10.1007/s00253-016-7391-1	-
32	G. R. Aher	Variability of aerosol optical, physical and radiative properties at seven asian aeronet stations during March 2012 dust event	International Journal of Advances in Science Engineering and Technology	ISSN 2321-9009	-
33	Dr. J. R. Salve	Cultural products and producers of culture : T.V.ADS from the perspective of cultural studies.	An International Peer-Reviewed Open Access Journal	ISSN: 2349-5189	
34	Dr. Deepak Dixit	Use of Technology in teaching English in Indian Context	An International Peer-Reviewed Open Access Journal	ISSN: 2349-5189	

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	Grant Received this year	Total grant sanctioned
Major projects	2015-2018	SERB / DST	31,69,000/-	45,92,000/-
	2013-2015	ISRO	8,43,000/-	15,82,000/-
	2014-2017	SERB	3,00,000/-	17,00,000/-
Minor Projects	2014-2016	BCUD(S.P.P.U)	1,17,500/-	4,35,000/-
	2014-2016	BCUD(S.P.P.U)	1,00,000/-	2,00,000/-
	2014-2016	BCUD(S.P.P.U)	90,000/-	1,80,000/-
	2014-2016	BCUD(S.P.P.U)	87,500/-	1,75,000/-
	2014-2016	BCUD(S.P.P.U)	82,500/-	1,65,000/-
	2014-2016	BCUD(S.P.P.U)	77,500/-	1,55,000/-
	2014-2016	UGC	45,000/-	1,05,000/-
	2012-2015	UGC	48,000/-	11,29,865/-
	2015-2017	UGC	--	1,35,000/-
2015-2017	UGC	80,000/-	2,55,000/-	
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students research projects (other than compulsory by the University)	--	--	--	--
Any other(Specify)			--	--
Total			50,40,000/-	1,08,08,865/-

3.7 No. of books published

i) With ISBN No.: 09

ii) Without ISBN No.: NIL

3.8 No. of University Departments receiving funds from: NA

UGC-SAP	<input type="text" value="--"/>	CAS	<input type="text" value="--"/>	DST-FIST	<input type="text" value="--"/>
DPE	<input type="text" value="--"/>			DBT Scheme/funds	<input type="text" value="--"/>

3.9 For colleges	Autonomy	<input type="text" value="--"/>	CPE	<input type="text" value="--"/>	DBT Star Scheme	<input type="text" value="--"/>
	INSPIRE	<input type="text" value="--"/>	CE	<input type="text" value="--"/>	Any Other (specify)	<input type="text" value="--"/>

3.10 Revenue generated through consultancy: No

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	--	--	--	--	--
Sponsoring agencies	--	--	--	--	--

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

3.13 No. of collaborations International: NIL National: NIL Any other: NIL

3.14 No. of linkages created during this year: NIL

3.15 Total budget for research for current year in Rs.:

From funding agency:

From Management of University/College:

Total:

3.16 No. of patents received this

Type of Patent		Number
National	Applied	NIL
	Granted	NIL
International	Applied	NIL
	Granted	NIL
Commercialised	Applied	NIL
	Granted	NIL

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
04			Dr. L. M. Chaudhari received State level 'Adarsh Shikshak' Award by Avishkar Foundation, Kolhapur on 30 th August 2015	(i) Best teacher award to Dr. L.M Chaudhari by SPPU on 10 th Feb 2016 (ii) Dr. Bhaskar Roye award by Indian Physics association Pune chapter, Dept of Physics, SPPU on 5 th September 2015.		Dr. S. B. Waghmare won best researcher Gokhale Prize at college level.

3.18 No. of faculty from the Institution who are Ph.D. Guides: 20
No. of Students registered under them: 35

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

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 level: 00

3.22 No. of students participated in NCC events:

University level State level

National level International level

University Level: Army - 52, Navy- 32, Air- 16 State Level: Army - 00, Navy- 04, Air- 03

National Level: Army - 05, Navy- 06, Air- 15 International Level: Army-00, Navy -00, Air- 01

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

National Level: Army – 03, Navy-02, Air- 01

3.25 No. of Extension activities organized

University forum College forum

NCC NSS Any other

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

a) C.T.S.E. conducted following activities in the year 2015-16

➤ **Maharashtra Talent Search Examination :**

The prestigious Maharashtra Talent Search Examination was successfully conducted on 25th April, 2015 by CTSE for the students studying in Std. VIIIth, IXth and Xth. This was the 22nd year of conducting the examination. The number of students appearing for this Examination crossed 1 lakh. 1,06,845 students of 3357 schools from Maharashtra, Goa, Karnataka appeared for the MTS Examination at 693 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. On June 15th 2015, the prizes for the previous year were given. Rs. 27 Lakh was awarded as prizes to 11629 students. Prizes for the current MTS will be given in the next academic year.

➤ **Graduate Excellence Examination – 2016**

- The Graduate Excellence Examination was conducted on 7th February, 2016 at 11 centres across Maharashtra for the students doing graduation / post-graduation.
- The examination was held at three levels viz. F.Y., S.Y. and T.Y. G.E.E. and there were two streams for each level namely Administrative Services and Management Services.
- 389 Students from 42 colleges across Maharashtra participated in 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 28 centres across Maharashtra on 8th November, 2015 and 5261 candidates from all over Maharashtra appeared for the Examination.

b) Departmental Contributions :

- The biggest event hosted by the department of psychology was the psychology fest 'beautiful minds 2016' initiated by Mr. Aditya Parsule. This fest hosted a wide variety of intercollegiate competitions like quiz, debate, poster making, dance and many more. The department held a workshop on yoga for the student on 30th January 2016. The department organized the screening of the documentary 'psycopathy' on some famous cases.
- The Computer Science department organized the annual event TECH-N-TALENT ON 20th and 21st January 2016. Fifty students successfully completed the certificate course in Android.
- The Mathematics Department conducted the following activities:
 - Ms Pratibha and Ms Shivani Yadav successfully completed a national level 'Mathematics Training And Talent Search Programme' in may 2015
 - T. Y. B. Sc. Student, Ms Shivani Yadav was ranked 105 in IIT JAM 2016.
 - The annual event 'Tautology' was conducted on 19th and 20th January 2016.
 - Ms. Nazanin Movarraei, a student of Dr. S. A. Boxwala successfully completed her viva voce on 26th March 2016.
- The Physics Department organized PHYSIQUEST 21st January 2016. Dr. F. I. Surve guided three Ph. D. Students. Dr. G. R. Aher have been sanctioned a major project by Science and Engineering Research Board and was allotted a grant of Rs. 45,92,000/-
- The department of Geography organised study tour for S. Y. B.Sc. Students to Alibag and surrounding places. On 11th March 2016 Dr. Ms. Khare conducted a Village Tour for the students

to Nhavi Sandas Haveli Tahsil. The College Fest for various extracurricular activities was held in the third week of January 2016.

- The Electronics Department organised a Project Exhibition for TYBSc students. A Seminar on Entrepreneurship Development was held for Vocational Electronics and Mathematics students.
- The Chemistry Department held the Silver Jubilee Lecture Competition for PG students on 12th February 2016. A Chemistry Exhibition was held for UG and PG students on 20th to 22nd January 2016.
- In the month of October 2015 the activities of 'History Club' were inaugurated by the Department of History and a guest lecture on Indian heritage with special reference to Pune was delivered by Prof Manjiri Bhalerao of Tilak Maharashtra Vidyapith.
- The Zoology Department organised an Intercollegiate ZOOFEEST on 20^h to 22nd January 2016, where exhibition, Quiz, Guest lecturers were conducted.
- Nowrosjee Wadia College SPE (Society of petroleum Engineers) chapter organised various events like Quiz, Guest Lecture, Field Case study, Symposium and Technical Discussions. The chapter's belief in creativity and innovation with a goal to train our students and establish a strong link with Oil and Gas industry professionals was manifest through this activity. The department of Geology organised a study tour for F. Y., S. Y. and T. Y. Students to Mahabaleshwar, Panchgani and other places.
- The Botany Department organized BOTANICA an intercollegiate Botany Festival on 18th and 19th January 2016. F. Y. B. Sc. Students visited Mahabaleshwar on 29th September 2015.
- 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.

c) Other Extension Activities

- Students wishing to join Defence Forces are given an opportunity to join the NCC (Army, Air force and Navy wings). As a part of NCC activity, the cadets attend various camps and participate in social service activities organised by their respective battalions. These activities help in developing their overall personality and leadership qualities.
- Through NSS activities, students actively participate in social service activities. These activities help in developing their character, helps sensitize them about social issues and creates awareness about the society in general.
- Tree plantation activity and cleaning of the campus was conducted by NSS, NCC Students, teaching and non teaching staff members.
- Our NCC and NSS volunteers worked during the Ganesh Festival along with Pune City Police. During the NSS camp a survey of flora and fauna of Dongargaon village was conducted and harmful plants and weeds from the soil were removed. Awareness regarding this was created among the villagers. Street plays for social message were conducted by NSS volunteers during the NSS camp on tantra mukta gaon, kanya ratna, hunda bandi, tree plantation, etc. A lecture on use and conservation of electricity in rural areas was held.
- There is a Louis Braille Writer's Club in the college where other students help blind students by writing for their exams. These students also go to other colleges to help the blind students there to write their examinations.
- A Blood Donation Camp was organised under the auspices of N.Wadia College and Acharya Anand Rishiji Charitable Trust. They also had a free haemoglobin and blood pressure check up.
- Under the auspices of the Mahatma Phule Adhyasan and Samata Mandal, the teaching, non teaching staff and students paid tribute to Mahatma Phule, Savitribai Phule, Annabhau Sathe, Chhatrapati Shivaji Maharaj, Shahu Maharaj, Bhagat Singh, Sukhdev, Rajguru, in various functions organised throughout the year. Mr. Pratik Thube qualified the IAS and Ms. Mohini Dongre the IPS. They were invited for giving Inspirational Talk and guidance to the students aspiring for Public Service Examinations. As a part of Dr. B. R. Ambedkar and Mahatma Phule Sanyukta Jayanti Mahotsav, the following programmes were organised :
 - 1) 14 hours nonstop study.
 - 2) Intercollegiate Essay Writing Competition.

3) A Speech on occasion of 14th April was delivered by Anadraj Ambedkar

- The Debating Society of the College conducted the following activities :
 - 1) Elocution Competition
 - 2) An Extempore Speech Competition
 - 3) The college conducted the prestigious Annual Inter collegiate H. H. The Raja of Sangli's Gokhale Cup Elocution Competition
- 100 foreign students are studying in Nowrosjee Wadia College. Under the Foreign Students Forum of the college, a programme was organised in which Foreign students from different countries gave performances depicting the cultures of their countries.
- The second semester was full of colours of 'NOWROS 16', the mega cultural event during the second week of January. The students jostled with each other to participate in fun games such as Treasure Hunt, Jugaad, Poster Faad ke and Mad Ads. The highlight was the cultural programme organised exclusively for Arts and Science students. The performances ranged from a stand up on prevention of atrocities on women to a colourful Mauritian dance. In the evening the science social started with the skit on de-addiction

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.)	1,54,36,129/-	10,09,692/-	Self Financing	1,64,45,821/-
Value of major equipment purchased ($\geq 25,000$) during the year (in Rs.) (Microscope, Digital polarimeter, compound microscope, precision balance, vacuum pump)	1,50,06,848/-	8,13,888/-	Self Financing	1,58,20,736/-
Others (Furniture, Fixtures, Library Books) (in Rs.)	74,26,596/-	15,40,536/-	Self Financing	89,67,132/-
Assembly Hall	01			01
Computer Centre	01			01
	01			01
Green House	01			01
Botanical Garden	01			01
Blind Room	01			01

4.2 Computerization of administration and library

- ❖ The College has a very big library with almost 1.5 lakh books. It has a huge reading room and separate reading cubicles for staff. Computerization of Library is in progress. Data of 24,000 books is so far entered through SOUL software.
- ❖ Since October 2013 the college office has started using 'Vridhhi' Software for examination results.
- ❖ Most of the departments have a computer 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	No.	Value	No.	Value
Text Books & Reference Books	1,13,850	--	941	3,74,502	1,14,791	--
e-Books	--	--	--	--	--	--
Journals	--	--	22	42,649	--	--
e-Journals	--	--	--	--	--	--
Digital Database	--	--	--	--	--	--
CD & Video	--	--	--	--	--	--
Others (Magazines & periodicals)	--	--	48	48,976	--	--

- The college has two libraries, the Main Library and the Post Graduate Library.
- Many departments have their own departmental libraries.
- Books received as specimen copies/complimentary copies are added to the departmental library so they need not be purchased.
- Books purchased through various projects like BCUD, UGC are added to departmental libraries
- Books are also donated by staff as well as students to the departmental libraries.

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	380	13	05	13	01	21 (Grantable) 13 (Non Grant)	306	07
Added	12	--	-	-	-	-	-	-
Total	392	13	05	13	01	34	306	07

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 Reliance Communications. It is protected using a Firewall and through a switch, connections are provided to most departments. Department computers are connected through one more level of switch to the Internet. A fibre optic line was laid out to improve internet access speed.
- A separate Computer Centre provides Internet service to students and faculty who do not have computers and Internet connection in their department. It has 10 computers with internet connection to each. Two computers are reserved for faculty. It has a Reliance WiMax connection

with 1.5 MBPS data rate. Students and staff-members use the Centre extensively for referencing, study material, new developments and updates etc.

- Principal's office and Vice-Principals' offices have the following connections:
 - Reliance WiMax 1.5 dedicated internet connection
 - WiFi facility
- M.Sc. Computer Science Laboratory has a separate WiFi facility
- A demonstration cum doubt clearing session was held for teaching and non-teaching staff members involved in admission as well as examination process. It was conducted by technical experts from 'Vridhhi' software. The input helped in removing doubts and motivating them to use the new technology.
- A Networking course was run for M.Sc. Electronics Students.
- Spoken Tutorial Programme for students in association with IIT Bombay was run by the Computer Science Department.

4.6 Amount spent on maintenance in Rs.:

i) ICT (in Rs.) (Internet, software and maintenance A/c)	11,39,881/-
ii) Campus Infrastructure and facilities (in Rs.) (Repairs and maintenance A/c)	15,21,355/-
iii) Equipment (Lab expenses A/c) (in Rs.)	40,75,560/-
iv) Others (Sanitation and Cleaning A/c) (in Rs.)	37,000/-
Total:	67,73,796/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC proposed that College should go for an on-line admission system and initiated efforts in identifying the services that can achieve this goal.

5.2 Efforts made by the institution for tracking the progression

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

- 1) Scholarships and Free- ships available for various categories of students
- 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 Challenged Students
- 7) The Foreign Students’ Forum : a platform for overseas students
- 8) Debating Association
- 9) Medical Assistance for students: Compulsory Health check up, Health Centre on the campus; Health Insurance etc. Doctor available in Health Centre on the campus.
- 10) Organising Coaching classes for competitive Examinations
- 11) Skill Development and Counselling Services

5.3 (a) Total Number of students:

UG: 2429 PG: 1076 Ph. D. : 14

(b) No. of students outside the state: 250

(c) No. of international students: 157

Men: 1393 (G) + 427 (NG) Women: 1036 (G) + 441(NG)

No	%
1820	55%

No	%
1477	45%

	2014-15						2015-16					
	General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
Grant	1730	479	130	246	54	2639	945	387	112	222	0	1666
Non Grant	1375	240	31	225	05	1876	1194	208	70	236	0	1969

Demand Ratio				
Sr. No.	Course Name	No. of Applications Received	No. of students	Demand ratio
	UG			
1	F. Y. B. Sc.	1200	528	1:2.27
2	F.Y.B.A.	915	600	1:1.5
3	F. Y. B. Sc. Computer Science	713	166	1:4.29
4	F. Y. B. Sc. Biotechnology	98	51	1:1.9
5	M.Sc.Physical Chemistry(Grantable)	375	24	1:15.6
	PG			
1	M. Sc. Electronics	48	23	1:2.08
2	M. Sc. Physics	207	22	1:9.4
3	M. Sc. Petroleum Technology (Applied)	87	41	1:2.1
4	M. Sc. Geography	47	21	1:2.23
5	M. Sc. Chemistry	375	128	1:2.92
6	M. Sc. Zoology	77	24	1:3.2
7	M. Sc. Botany	41	24	1:1.7
8	M. Sc. Computer Science	560	56	1:10
9	M.C.A.(Science)	243	41	1:5.93
10	M. Tech (Industrial Mathematics with Computer Applications)		30	1:8.1
11	M. A. English	90	48	1:1.8
12	M. A. Economics	110	59	1:1.86
13	M. A. Psychology	92	23	1:4

Dropout Ratio:

Sr No.	Course Name	No. of students	Dropout %
	UG		
1	F.Y.B.A	600	1.67
2	F.Y.B.Sc	528	11.36
3	F.Y.B.Sc. Biotechnology	98	7.25

4	F. Y. B. Sc. Computer Science	166	14.65
	PG		
1	M. Sc. Chemistry	128	9.56
2	M.Sc.Zoology	24	4.16
3	M. Sc. Physics	22	14.28
4	M. Sc. Botany	24	12.5
5	M.Sc. Electronics	23	15.38
6	M.Sc.Petro-Tech	41	41.66
7	M.C.S (Computer Science)	56	3.77
8	M. A. English	48	5.12
9	M. A. Economics	59	6.97
10	M.A.Psychology	23	5.88
11	M.A.Geography	21	11.42
12	M.C.A.(Science)	41	00
13	M. Tech (Industrial Mathematics with Computer Applications)	30	00

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- 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 the Graduate Excellence Examination (GEE). These lectures provide guidance to the 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 and assessment as well as evaluation.
- Many teachers provide career counselling to the students in the classrooms.

No. of students beneficiaries: GEE: 389

Lectures: 300

Others: 200 (approximately)

5.5 No. of students qualified in these examinations:

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="-"/>	CAT	<input type="text" value="-"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>	UPSC	<input type="text" value="-"/>	Others	<input type="text" value="-"/>

5.9 Students Activities

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

State/ University level: 47 National level: 11 International level: 2

No. of students participated in cultural events: 100

5.9.2 No. of medals /awards won by students in Sports, Games and other events (See Annexure VIII)

Sports: State/ University level: 45 National level: 14 International level: 01

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

Other:00

5.10 Scholarships and Financial Support

	Number of students	Amount in Rs.
Financial support from institution	21(G)	50,772/-
Financial support from government	592(G) 204(NG)	24,97,360/- 38,64,499/-
Financial support from other sources	Nil	Nil

5.11 Student organised / initiatives

Fairs : University level: 02 National level: 00 International level: 00

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

TechQriosity – seminar event completely organized by PG students every year

5.12 No. of social initiatives undertaken by the students:

1) Two social initiatives have been undertaken by NSS volunteers viz.

a) Many students enrol in the Writer's Club to help out blind students in writing their examinations. This especially matters in Nowrosjee Wadia College as the college has a large number of visually impaired students

b) Students have arranged blood donation camps and cleanliness drives in the college campus as well as in the surrounding area.

2) During the annual event Tech N' Talent event, students organized

Rangoli and Poster exhibition and plays on topics of social relevance based on social issues.

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 looked after by concerned faculty members immediately. Grievances of students are settled through well established Students Council which has regular meetings with the Authorities of the college.

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 has a management Information System

Yes. It uses Vriddhi software and other software indigenously written and produced by the Department of Computer Science. These two softwares together provide

- Computerized admission process.
- Examination/result process.

The Softwares make it possible to obtain detailed reports regarding various aspects of students’ progress. For example year wise/department wise analysis of students’ result is possible.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Academic activities of the College are monitored by the Academic Council of the Modern Education Society.
- Heads of Departments are encouraged to become Members of Boards of Studies in their respective subjects at the SPPU. Dr.R. R. Sakhare, Librarian, has been nominated Member, Board of Studies, University of Pune in Library and Information Sciences
- Teachers are encouraged to participate in Syllabi designing/ restructuring workshops conducted by the University. Faculty members of the department are actively involved in planning and execution of the syllabi.
- 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.
- Most teachers prepare Study Notes for the students and some of them upload it on the internet for easy sharing with the students
- Effective teaching is achieved by adopting several demonstration tools like Power-Point Presentations, open source software, films etc. for clarifying difficult concepts
- Class room attendance is taken daily and a list of defaulters is put up periodically.
- 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, 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.
- Some departments have introduced the concept of 'Pre-reading' while teaching
- Use of Quiz and Crosswords for different subjects is made along with regular teaching to make learning of the subject enjoyable.
- The Electronics Department has introduced the idea of Hobby projects for students to kindle their interest.

6.3.3 Examination and Evaluation

- The Senior College Examination Committee looks after all aspects of the Examinations
- The college has appointed a teacher as Chief Examination Officer who is In charge and responsible for all aspects of the Examinations, both Internal as well as University
- Use is made of Examination Module of Vriddhi software approved by the University of Pune
- We adopt a different pattern of **marking scheme** for the Internal Examination. The 10 internal marks for semester pattern and 20 internal marks for yearly pattern are decided based on 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 the students for writing the final university examination and improves their performance.
- **Credit Grade Based Performance Assessment** and **continuous evaluation** has been introduced by the University for the first time in 2013-14 for PG students. At least two regular tests are conducted for every course. In addition to this surprise test, open-book test, regular 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 an innovative 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. Files of such model answers are maintained in the department and 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 and solved so the errors are not repeated and rectified.

- Many of the teaching Staff Members from the college are involved in Paper setting and Assessment Panels of the S.P. Pune University.

6.3.4 Research and Development

- Many of our faculty members are recognised Ph. D. and M. Phil guides in University of Pune and other Universities and they are actively involved in guiding students as well as faculty in their research work. Several Departments of the college like Chemistry, Physics, Geography and Geology have Research Centres
- 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 faculty 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 confirmed faculty members to take up minor and major research projects and some of them even go so far as to involve other members 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
- To encourage students for innovation in Science & Technology and for improvement in their research and development skills, Dr. V. V. Chabukswar , Asst. Prof. S. B. Deokar and Asst. Prof. K Mutalik of the Department. of Biotechnology, guided some of their students for Avishkar, a State Level Inter- University Research Project Competition for UG/PG/ Doctoral students. Our students won a prize in this competition.

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 the requirements of their Department, procures and processes quotations and recommends to the Principal to issue Purchase Orders for equipment etc. required by their department
- All our laboratories are well equipped
- **WiFi** facility is provided to PG students in the Electronics laboratory. This helped them a lot in their project work and assignments. Three CROs and three Function Generators were bought for Electronics laboratory. Rearrangement was done in the computer lab to have a separate server room.
- Most of the PG lectures are conducted using Power Point presentations

- Some of the teachers share their Lecture notes with the PG students on the internet
- 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) The 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, PHINIX, TORA, LATEX, BIOEDIT, FASTA, BLAS, 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 the students more aware and enables them to update their core knowledge on many details regarding the concerned subject
 - g) The Biotechnology department uses animations in their Power Point presentations to explain difficult concepts
- Several departments show Films of academic interest to the students
- 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 PhuleAdhyasan, 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 of the departments have formal MOUs with Industry for collaboration
- 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.
- Students are taken to Industrial tours for industrial interaction and exposure. Chemistry department conducts industrial visits each year for UG and PG students to industries in Kokan area, Goa and local sites like industries in Bhosari area.
- 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 Avon, Sai biotech,Cipla Jubilant chemsys,Pedilite and U.S.Vitamins.

6.3.9 Admission 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. This year **OMR** technique was used to check the papers and merit list was put up within 3 days.PG admissions are carried out with proper counselling and with total transparency.

6.4 Welfare schemes for :

Teaching & Non Teaching Staff:

- 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/- @ 11% 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
- Various psychological tests were administered to the staff of the college to help them develop self awareness and gain a better understanding of their strengths and weaknesses with suggestions to overcome them
- Non teaching staff working in various Laboratories is 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 socially and economically backward class students.
- The college attracts a large number of visually impaired students.
 - a. Software for blind students was purchased and installed in the Computer Centre. This software converts written text into audio that helps in their academic development
 - b. The Louis Braille Writers Club which is functioning in the college for the last 5 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 helped socially and economically backward students for getting various scholarships.

- Five students of the college were trained by the NGO *Parivartan* for voters' registration who in turn undertook a massive voter's registration drive on the campus for new voters. The teaching and non-teaching staff and students of our college signed an undertaking that they would cast their valuable votes in the ensuing Lok Sabha elections.
- Free of charge Gymnasiums made available for students
- Free of charge Dispensary on the campus is made available for students

6.5 Total corpus fund generated: 00

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	Internal Auditors
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 is known as Wadians' Association and has been active since 1958 meeting regularly twice a year viz. on 21st July, the College Foundation Day and on 15th 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 with special emphasis on Neem Tree Plantation periodically.
- Participation in Blood Donation Camps in association with NSS/NCC.
- Organizes and sponsors inter-collegiate cricket, inter district ball badminton, hand ball games.
- Give talks at the NSS Camps.
- Alumni meets of the Department of Zoology, Geology, Petroleum Technology, Computer Science and Physical Education take place on a department basis annually.
- 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
- A week long lecture series called Gurukul India was organized on the occasion of the 81st year celebrations by Wadians' Alumni Association.
- Inter collegiate Cricket tournament was organised by Wadians' Alumni Association.

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 done on the campus and except for drinking water which comes from the Corporation, it takes care of the water needs of all colleges on the campus
- Artificial Bird Nests have been put up 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 installed on the hostel units. There is also a Heat Exchange System in place for the days when the solar water heaters are inadequate
- Solar panels have been installed for lighting the roads in the campus
- Lectures are arranged for students as well as staff to increase awareness regarding the Environment

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Introduction of Credit Based System for PG:

- Prepared credit Handbook for the students for the newly-introduced Credit System.
- Introduction of Home Assignments, Seminars and Open Book Examinations for the PG students
- Pre-reading activity for Post-Graduate students with pre-test in every session
- Feedback from students
- Mentoring Programme for students
- Hobby projects to develop interest amongst the students in their chosen subjects
- Encouraging discussion mode of study to clarify concepts better
- Introduction of OPAC(Online Public Access Catalogue) for students in the Library

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 student's reports, the heads of the departments have proposed to take remedial actions necessary for improvement.

7.3 Give two Best Practices of the institution

Best Practices:

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 from among meritorious young students and to give them scholarship for pursuance of their goal.

c) **The Practice**

The Centre for Talent Search and Excellence conducts the prestigious Maharashtra Talent Search Examination for the students studying in Std. VIIIth, IXth and Xth. The number of students appearing for this Examination was 106845. Students from 3357 schools in Maharashtra, Goa and Karnataka appeared for the MTS Examination at 693 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. On July 19th 2015, the prizes for the previous year were given.

d) Evidence of Success

Rs. 27 Lakh was awarded as prizes to 11,629 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 colleges teachers in the states of Maharashtra, Goa and Karnataka. This required skilled manpower management and careful planning. However we generate our own resources by meticulous management of CTSE.

f) Context

This exercise prepares students for National Talent Search Examination.

Practice 2

a) Title :

Special Assistance to visually impaired students

b) Goal :

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

c) The Practice :

d) The college attracts a large number of visually impaired students. The Louis Braille Writers Club which is functioning in the college for the last 5 years continued 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 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.

e) 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.

f) 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.

g) 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

- In conjunction with the other Institutions on Campus, compost pits have been constructed behind the College ground for waste recycling etc.
- 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.
- Artificial Bird Nests have been put up on several trees on the Campus so as to increase the Bird population
- India has only 16 Genera of Gymnosperms. Amongst these the rarest is the genus *Ginkgo biloba* which is a plant endemic only to China. It is critically endangered and the only gymnospermic plant considered as a living fossil, hence needs a lot of care and conservation. This plant was brought from Ranikhet of Himachal Pradesh and is being conserved in the campus. Some other gymnosperms grown and conserved on the campus are *Podocarpus elongatus*, *Juniperus communis* etc. Our campus has 9 genera out of 16 found in India.
- Tree plantations were carried out on several occasions during the year
- During the NSS camp a survey of flora and fauna of Dongargaon village was conducted and harmful plants and weeds were removed from the area. Awareness regarding plantation and farming was created among the villagers.
- A lecture on 'Use and Conservation of Electricity in Rural Areas' was delivered in the NSS camp.

7.5 Whether environmental audit was conducted?

No.

7.6 Any other relevant information the institution wishes to add. (For example SWOT Analysis)

- Cell for atrocities and Harassment against Women 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. Modern Techniques are used for Analysis and synthesis of Indian Music. 4 persons have obtained their Ph. D. degrees and 3 their M. Phil degrees from this Laboratory. The degrees were awarded by the University of Pune. The Laboratory has now diversified to conduct Research in Building Acoustics and Noise Control Techniques, facilities for which have now been setup in the lab.
- Some of the faculty members from the Computer Science department are engaged in preparing lab books used by all computer Science (UG) students of University of Pune.
- Most of the Faculty from the college have been appointed by S.P.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 department fests either Intra or Inter Collegiate. The college is abuzz with quizzes and competitions of all sorts.
- There is a Post Office on the campus and Banking Facility is also available within the campus.
- Post office 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.
- Doctor is available in the dispensary on the campus and students and staff may avail of this facility free of cost.
- Debating Society: The following are the activities conducted by the College Debating Society;
 - Elocution Competition: An Elocution Competition was conducted in the college in which 21 students of Junior, Senior and PG classes participated.
 - An Extempore Speech Competition was conducted in the college during Jan 2016.
 - The college conducted the prestigious Annual Inter collegiate H. H. The Raja of Sangli's Gokhale Cup Elocution Competition on 29th Sept 2015. The topic for the debate was 'The Teeming Young population will to a Developed India'. Students of various colleges participated in the competition. The competition is hosted by the college annually since 1937. The trophy was donated by H. H. The Raja of Sangli in the name of the great parliamentarian, thinker and Political Reformer, Gopal Krishna Gokhale. This competition is regarded as a coveted and prestigious one in Pune debating circles. A theme of current socio political economic significance is set as a motion for the debate. Prof. D. Dandge, Dr. Smita Diwase and Dr. Dasmit Singh were the judges.
- The college attracts a large number of International students from over 10 to 12 countries. The college has a Foreign Students Forum, which guides and helps the foreign students in various aspects. It also provides a banner under which they can showcase their talents and provides our young students with a better understanding and tolerance of diverse cultures

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.
- The college is easily accessible from railway station as well as bus terminus so it attracts a large number of students from the surrounding suburbs and nearby stations.
- 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 create a few smart classrooms which can be shared by different departments
- Old computers and their configurations will be upgraded to recent configuration
- Create more wifi hot spots for students and staff.
- Provide more PCs for the use of students and teachers.

b) Academics

- Geology Department to have an International Conference on 'Deep Sea Exploration'
- Zoology department to organize a National Conference on "Innovative Ideas and Research in Life Science for Sustainable Development"
- Encourage Interdisciplinary Projects and Research.
- National Seminars by the English, Chemistry and Botany departments.
- A one day workshop on Cultural Studies for college professors to be organised by the college along with the Board of Studies in English, S.P.P.U
- The Economics Department to start an in house journal where both faculty as well as students will be contributing
- The Zoology Department to give e-books in CD's to M. Sc students

c) Extracurricular and Co-curricular

- Computer Science Department to bring out their Wall magazine 'Zaroka' in e-magazine format
- Zoology department to start an e-newsletter
- To start a Zooclub in the Zoology Department.
- English Department to Produce and stage the play 'Mahanirvaan' prescribed for MA English Part II
- English Department to organize inter-class One Act Play Competition.

d) Sports Activities

- Physical Education Department to organise S.P.Pune University Inter Zonal Squash Racket Tournament and Intercollegiate Cricket and Squash Championship.

e) Environment Related

- Carry out Energy and Environment Audits
- Move Towards more efficient energy utilization in the departments
- Paper-less, eco-friendly inter-departmental communication
- Zoology department to renew census of different bird species in Wadia College campus.

f) Alumni

- Registration of Wadians' Association
- More alumni of the college would be encouraged to associate with their alma-mater at different levels.

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.

Annexure I

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 II

P. G. Courses

1. M. Sc. Computer Science
2. M. Tech (Industrial Mathematics with Computer Applications)
3. Master of Computer Applications
4. M. Sc Physical Chemistry (Aided & Non Aided)
5. M. Sc. Analytical Chemistry
6. M. Sc. Organic Chemistry
7. M. Sc. Polymer Science
8. M. Sc. 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 - III

Under Graduate

Arts Faculty

Subjects at Special Level (up to 3rd 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. Defence Studies
4. Industrial Mathematics
5. Mathematical Statistics
6. Optional English
7. Logic and Methodology of Science
8. Statistics
9. Applied Mathematics
10. Philosophy

Science Faculty

Subjects at Special Level (up to 3rd year)

1. Mathematics
2. Physics
3. Chemistry
4. Zoology
5. Geology
6. Electronics 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

UG Courses (Self Financing Courses) :

1. B. Sc. Computer Science
2. B. Sc. Biotechnology

B. Sc. Vocational

1. Electronics Equipment Maintenance
2. Industrial Chemistry

Annexure IV

Interdisciplinary Courses :

M. Tech (Industrial Mathematics with Computer Applications)

Annexure V

Faculty Participation in Conferences / Seminars and Symposia

Department of Botany

- Dr. S. V. Ahire participated and presented oral presentation in the 103rd Indian Science Congress and paper entitled “AM fungi- Pune District” at Mysore, Karnataka from 3rd to 7th Jan 2016.
- Dr. A. S. Limaye participated and presented a poster in National Conference entitled “Effect of sea weed liquid (SLF) on seed germination, seedling growth and biochemicals in pea” at Ahmednagar College, Ahmednagar during 16th to 17th Feb 2016.
- Mrs.Sujata Valvi participated in 18th National Conference on “Indian Aerobiological Society-NCIAHHE-2015” at Tumkur University, Karnataka during 28th to 30th Sept 2015.
- Mrs.Sujata Valvi participated in University Level Workshop on “Sensitization about biological Diversity act 2002 and the role of academicians” at S.P.P.U, Pune on 30th March 2016.
- Mrs.Sujata Valvi has attended and presented a paper in National Conference on “Current trend in Biodiversity Conservation and climate change” and paper entitled “ Effect of Vehicle Discharge on growth of plant, *Vigina Aconitifolia* and on human health, at Y.M.C, Pune during 24th to 25th Feb 2016
- Mrs. Sujata Valvi has attended International Conference on “Plant Research and resource managements” at T. C. College, Baramati, Pune, during 11th to 13th Feb 2016.
- Ms. Komal Dhumal has participated in state level symposium on “Production of Bioinoculants” held at V.P.A.S. College, Baramati during 17th to 18th Feb 2016

Department of Chemistry

- Mr. Y. M. Nandurkar attended and presented a paper in International Conference on “ Environmental System and sustainable development” and paper entitled “Study of responsible factors rise in salinity of ground water in part of upper Bhima basin in Maharashtra organized by C. T. Bora College, Shirur, Pune during 15th and 16th January 2016.
- Mr. Y. M. Nandurkar attended and presented a paper in National Conference on “ Faunal Diversity: Assessment and Conservation FDAC-2016” and paper entitled “Study of heavy metal contamination in ground water and its biomagnifications in eastern part of Pune District” organized by Modern College, Pune during 22nd and 23rd January 2016.
- Mr. Y. M. Nandurkar attended National Seminar on “Conservation and Management of Natural Resources (Soil and Water) in India” and presented a paper entitled “Study of seasonal variations in ground water quality in part of Bhima Basin Maharashtra ” organized by R. B. Narayanrao Borawake College, Shrirampur during 8th and 9th January 2016.

- Mr. Y. M. Nandurkar attended State Level Seminar on “Recent advance in Agriculture planning and Development ” and presented a paper entitled “Identification of hydrogeochemical processes and major ion chemistry of ground water in part of Pune District, Maharashtra” organized by Karmveer Abasaheb Alias N. M. Sonawane College, Satana, Nashik during 21st and 22nd January 2016.
- Mr. Y. M. Nandurkar attended State Level Seminar on “Role of changing Environment on Society: A multidisciplinary approach” organized by Janata Arts, Commerce and Science College, Ahmednagar during 1st and 2nd Feb 2016.
- Dr. V. V. Chabukswar participated and presented a poster in International Conference on “Herbal and Synthetic Drug Studies (HSDS - 2016) ” and poster entitled “Ultra-Sonication assisted synthesis of bioactive 3,4-dihydropyrimidine(DHPM) by using polymer nanocomposite: A green approach” at Abeda Inamdar College, Pune, during 7th to 9th January 2016
- Dr. V. V. Chabukswar participated in National Conference on “Nano Science and its applications to Engineering” held at MIT College of Engineering, Pune during 3rd to 4th Dec 2015
- Dr. V. V. Chabukswar participated in National Conference on “Advances in Organic Chemistry” and presented a paper entitled “Nitrogen containing bioactive heterocyclic compounds: Synthesis using polyindole as a heterogeneous catalyst” held at Poona College ,Pune during 5th to 6th Feb 2016.
- Dr. V. T. Borkar participated and presented a poster in International Conference on “Herbal and Synthetic Drug Studies (HSDS - 2016) ” and poster entitled “Pharmacodynamic and Pharmacokinetics activity of ‘Nutritional Dynamite’ Moringa Olifera : A review ” at Abeda Inamdar College, Pune, during 7th to 9th January 2016
- Dr. V. T. Borkar attended State Level Seminar on “ Green Approach in material Chemistry” organized by B.J.S College, Wagholi, Pune during 8th to 9th Feb 2016.
- Mr. S. S. Wable attended State Level Seminar on “ Green Approach in material Chemistry” organized by B.J.S College, Wagholi, Pune during 8th to 9th Feb 2016.
- Mr. D. T. Walunj attended State Level Seminar on “ Green Approach in material Chemistry” organized by B.J.S College, Wagholi, Pune during 8th to 9th Feb 2016.
- Mr. D. T. Walunj attended State Level Workshop on “ Designing Laboratory Sessions for Meaningful Learning in Undergraduate Chemistry” organized by B.C.U.D of S.P.P.U, Pune during 4th to 5th Jan 2016.
- Mr. D. T. Walunj attended “ National Symposium on Functional Applications of Colorants (NSFAC)” organized by Indian Institute of Chemical Technology, Mumbai, during 29th to 30th Oct 2015.

Department of Physics :

- Dr. G. R. Aher participated in International Conference on “International center for radio science” and presented a research paper entitled “Temporal Characteristics of Aerosol Extinction coefficient at environmentally different observing sites in western Maharashtra” at Jodhpur, India during 15th to 17th December 2015
- Dr. G. R. Aher participated in International Conference on “International center for radio science” and presented a research paper entitled “Climatology of aerosol optical depth and angstrom parameters” at Jodhpur, India during 15th to 17th December 2015
- Dr. G. R. Aher attended 19th National Space Science Symposium held at Vikram Sarabhai Space Center, Thiruvananthapuram during 9th to 12th February 2016.
- Dr. G. R. Aher participated in International Conference on “Recent Trends in Computing, Communication and Science” at Hinjawadi, Pune and presented a research paper entitled “Classification of Aerosol Types over Pune” during 8th to 9th January 2016
- Dr. Vivek Antad participated in National Conference on “Advanced Materials and Applications” organized by Department of Physics, Fergusson College, Pune and presented a research paper during 4th to 5th March 2016
- Dr. Vivek Antad participated in one day workshop on NET SET examination guidance on 23rd February 2016
- Dr. Sambhaji Warule participated in state level seminar on “Nanobasics and its Applications,” and presented a research paper entitled “ Engineer Zinc oxide based hetero-architecture with promising field emission behavior” at RBNB College, Shrirampur during 18th to 19th January 2016
- Dr. Shinde Shashikant D. participated National Conference on “New trends and developments in Physics” at New Arts, Commerce and Science College, Parner during 8th to 9th January 2016

Department of Biotechnology

- S. B. Deokar has attended National Conference on “Current trend in Biodiversity Conservation and climate change” and paper entitled “ Evaluation of antibacterial and antifungal activity of various concentrations of *Azadirachta Indica*, at Y.M.C, Pune during 24th to 25th Feb 2016
- S. B. Deokar participated in National Conference on “Sensitization and Technological Empowerment of women for their S and T Endeavours, at Pune on 25th Sept 2015.

- S. B. Deokar participated in one day workshop on “ Insights in Biology -2025 at NCL, Pune ,on 29th Oct 2015
- Ms. Priyanka Jadhav participated in National Conference on “Sensitization and Technological Empowerment of women for their S and T Endeavours, at Pune on 25th Sept 2015.
- Ms. Priyanka Jadhav participated in one day workshop on “ Insights in Biology -2025 at NCL, Pune, on 29th Oct 2015
- Ms. Priyanka Jadhav has attended National Conference on “ Recent advances in cell biology and molecular biology” , at S.P.College, Pune during 5th to 6th Feb 2016
- Ms. Priyanka Jadhav has attended International Conference on “Plant Research and resource managements” at T.C.College,Baramati, Pune, during 11th to 13th Feb 2016.
- Dr. Swapna Sathe has attended International Conference on “Plant Research and resource managements” at T.C.College,Baramati, Pune, during 11th to 13th Feb 2016.
- Dr. Swapna Sathe has attended National Conference on “ Recent advances in cell biology and molecular biology” , at S.P.College, Pune during 5th to 6th Feb 2016
- Ms. Kshitija Mutalik Sathe has attended National Conference on “ Recent advances in cell biology and molecular biology” , at S.P.College, Pune during 5th to 6th Feb 2016
- Ms. Kshitija Mutalik participated in one day workshop on “ Insights in Biology -2025 at NCL,Pune ,on 29th Oct 2015
- Ms. Kshitija Mutalik Jadhav participated in National Conference on “ Sensitization and Technological Empowerment of women for their S and T Endeavours” , at Pune on 25th Sept 2015.

Department of Mathematics

- Dr. S. G. Latpate participated and presented paper in National Conference on “Recent advances in Mathematics” during 21st Jan to 23rd Jan 2016 at Beed.
- Dr. A. S. Phadke participated and presented a paper in National Conference on “Recent trends in Mathematics and Statistics with application to economics Finance and Management” during 21st to 22nd March 2016 at Ness Wadia College, Pune
- Dr. A. S. Phadke participated in “Instructional School for Teachers on ‘Complex Analysis” during 16th to 28th Nov 2015 at the Bhaskaracharya Pratishthana,Pune.

Department of Economics

- Mrs. Sonali More-Madhale participated and presented a paper in International Seminar entitled “The economics of the money game: A historical analysis of the mints in India at Parel, Mumbai, on 25th Jan 2016”

- Mrs. Sonali More-Madhale attended and presented a paper in National Conference on “Changing trends in banking sector-A case study of Cosmos-Co-operative Bank,Pune” during 16th to 17th Dec 2015.
- Mrs. Sonali More-Madhale participated in National Conference on “Remembering Nash during 15th to 16th Feb 2016”.
- Mrs. Sonali More-Madhale attended and presented a paper in National Conference on “Contribution of Dr.B.R.Ambedkar in development of modern Indian economy: A review at Aabasaheb Garware College,Pune,during 28th to 30th Jan 2016”
- Mrs. Sonali More-Madhale participated and presented a paper in State level Seminar entitled “Make in India and Foreign direct investment at Pune, during 12th to 13th Feb 2016”
- Mrs.Iramani Kalita participated and presented a paper in International Conference “INCON - 2016 and paper entitled “A study of Pune’s transport problems and some solutions” at pune, during 8th to 9th Jan 2016.
- Mrs. Iramani Kalita participated in National Conference on “Remembering Nash during 15th to 16th Feb 2016”.
- Mrs. Iramani Kalita participated and presented a paper in State level Seminar entitled “Critical appraisal of economic growth of Maharashtra since 1991”, at S.B.B. College, Pune on 23rd Jan 2016.
- Mrs. Iramani Kalita participated and presented a paper in State level Seminar on “The role service sector in Indian economy” and paper entitled “Transport and economic development: An overview”, at A.M. College, Pune on 29th Jan 2016.

Department of Geography

- Ms. Ranjana Rathod participated and presented a paper in the International Conference entitled ‘Determination of variation in Physical and chemical properties of soil : A case study of Naner basin, Mulsi Taluka, Pune District, Maharashtra held at Pune, India, on 10th August 2015’
- Ms. Ranjana Rathod participated and presented a paper in the National Conference entitled “Beach carrying capacity appraisal for coasts in Raigardh District, Maharashtra, India, held in Mangaon on 27th Feb 2016
- Mr. Ram S. Kolapkar participated and presented a paper in the International Conference on “Assessment of land used/land cover and surface run of : A case study of Vincharna water shade ” at S.N.D.T Women’s University, Pune, during 4th Nov to 6th Nov2015
- Mr. Ram S. Kolapkar participated in the International Seminar held at S.P.P.U University, Pune, India on 16th Oct 2015

- Mr. Yogesh N. Pawar participated and presented a paper in International Conference on “Determination of variation in Physical and chemical properties of soil : A case study of Naner basin, Mulsi Taluka, Pune District, Maharashtra held at Pune, India, on 10th August 2015”
- Mr. Yogesh N. Pawar participated in the National Conference on “Beach carrying capacity appraisal for coasts in Raigardh District, Maharashtra, India ,held in Mangaon on 27th Feb 2016
- Mr. Niraj K. Bhagat participated and presented a paper on “Beach carrying capacity appraisal for coasts in Raigardh District, Maharashtra, India, held in Mangaon on 27th Feb 2016”
- Dr. U. R. Khare participated and presented a paper in International Conference entitled “An evaluation of infrastructure development and planning for a high growth nucleus of Hinjewadi IT Park, at S.N.D.T Women’s University, Pune, during 4th Nov to 6th Nov2015
- Dr. (Mrs.) A. Dhorde participated and presented a paper in International Conference entitled “Rule based classification of LISS IV Image using object oriented approach for urban land cover mapping, at S.N.D.T Women’s University, Pune, during 4th Nov to 6th Nov2015”
- Dr. (Mrs.) A. Dhorde participated and presented a paper in International Conference entitled “Assesment of Spatio-Temporal variations in Shrivardhan Bay mouth poar, held at Kurukshetra University, Hariyana, India, during 11th to 13th Feb 2016”
- Dr. (Mrs.) A. Dhorde participated and presented a paper in National Conference entitled “Shoreline change detection along the Central Konkan Coast of Maharashtra using land sat TM ETM data,held at Jaipur, Rajasthan, India, during 16th to 18th Dec 2015”
- Dr. (Mrs.) A. Dhorde participated and presented a paper in National Conference entitled “Cyclopattern of shifts in Valvati Tidal Inlet with respect to the Hydrolytic Stability, held at North-Eastern Hill University Shilong, India, during 29th to 31st Oct 2015”
- Mr.Mayur Gohad attended a National Conference on “French Language at Department of Foreign Languages S.P.P.U on 8th Aug 2015”
- Mr. Nikhil R.Pawar attended and participated in International Conference on “ Recent trends in commerce management social science and humanities” paper entitled ““Determination of variation in Physical and chemical properties of soil : A case study of Naner basin, Mulsi Taluka, Pune District, Maharashtra held at Pune, India, on 10th August 2015”
- Mr. Nikhil R. Pawar participated and presented a paper in the National Conference entitled “Beach carrying capacity appraisal for coasts in Raigardh District, Maharashtra, India, held in Mangaon on 27th Feb 2016

Department of Physical Education

- Dr. P. K. Patel has attended and presented a poster at 2015 WREA World Congress and Beijing Forum at Beijing, China on 9th June,2015

- Dr. P. K. Patel has attended 2015 WREA World Congress and Beijing Forum at Beijing, China, during 7th to 11th June, 2015

Department of History

- Ms. Pramila Dasture has attended and presented a paper in International Conference entitled “Colonial Heritage of Pune : An academic and Architectural Heritage at University of Kelaniya, Srilanka, during 27th to 28th Dec 2015”
- Ms. Pramila Dasture has attended and presented a paper in International Conference entitled “An unknown legacy : A living tribal Heritage of the Oceans at University of Kelaniya, Srilanka, during 27th to 28th Dec 2015”
- Ms. Pramila Dasture has attended and presented a paper in International Conference entitled “Archeo-Philately : New Dimensions in Heritage studies, at University of Kelaniya, Srilanka, during 27th to 28th Dec 2015”
- Ms. Pramila Dasture has attended and presented a paper in International Seminar entitled “Anglican educational assemblages in Poona(1818-1947), at Parel, Mumbai, on 25th Jan 2016”
- Ms. Pramila Dasture has attended and presented a paper in National Conference entitled “ Dr. Babasaheb Ambedkar : An inspirational Educator, at Aabasaheb Garware College, Pune, during 28th to 30th Jan 2016”

Department of Marathi

- Dr. Vikas Bahule has attended National Workshop entitled “Bhartiya Loksahitya : Sanshodhanachya Disha” at S.P.P.U, Pune, during 3rd to 5th March 2016”
- Dr. Vikas Bahule has attended a State Level Workshop entitled “Vaicharic Lekhan” at S.P.P.U, Pune, on 23rd March 2016”
- Dr. Vikas Bahule has attended a State Level Workshop entitled “Dr. Bhalchandra Phadke yanche Sahityatil ani Samaj-shikshanatil yogdan ” at S.P.P.U, Pune, on 13th May 2016”

Department of Zoology

- Dr. Usha Ashtekar has attended National Conference FDAC -2016, at Modern College, Pune during 22nd to 23th January 2016
- Dr. S. B. Waghmare has attended and presented a paper in International Conference entitled “Application of counter Schistosomiasis” organized by BAMO, Aurangabad , on 29th to 31st Oct 2015
- Dr. S. B. Waghmare has attended National Conference FDAC -2016 , at Modern College, Pune during 22nd to 23rd January 2016
- Dr. S. B. Waghmare has attended National Conference on “Current trend in Biodiversity Conservation and climate change”, at Y.M.C, Pune during 24th to 25th Feb 2016

- Dr. S. B. Waghmare has attended State Level Conference on “Techniques in molecular phylogenetic analysis” at SPPU, Pune during 5th to 8th Jan 2016
- Dr. S. B. Waghmare has attended National Conference on “ Animal Sciences : Rising to the challenges” Purna, Nanded, during 22nd to 23rd Dec 2015
- Dr. V. V. Rambal has attended National Conference FDAC -2016 , at Modern College, Pune during 22nd to 23th January 2016
- Dr. V. Rambal participated in National Conference on “Recent trends in Life Sciences” organized by S. M. Joshi College, Pune on 10th and 11th July 2015.
- Dr. V. Rambal has attended National Conference on “Current trend in Biodiversity Conservation and climate change”, at Y.M.C, Pune during 24th to 25th Feb 2016
- Mrs. B. M. Sadhwani has attended National Conference FDAC -2016 , at Modern College, Pune during 22nd to 23rd January 2016
- Dr. R. M. Pawar has attended and presented a paper in National Conference on “ Hydro biological Studies on stretch of backwater of Krishna-Koyna River Karad - FDAC -2016 , at Modern College, Pune during 22nd to 23rd January 2016
- Dr. R. M. Pawar participated and presented a paper in National Conference entitled “Evaluation of Antibacterial and Antifungal activity of various concentration of neem against human” at Y.M.C, Pune during 24th to 25th Feb 2016
- Dr. R. M. Pawar has attended National Conference on “ Recent advances in cell biology and molecular biology , at S.P.College,Pune during 5th to 6th Feb 2016
- Dr. R. M. Pawar participated and presented a paper in National Conference entitled “Diversity and composition of fresh water fishes-Pune” organized by S. M. Joshi College, Pune on 10th and 11th July 2015.
- Dr. R. M. Pawar has attended National Conference on “ Climate Change : Assesment, Impact and its relevance to India, at S. P. College, Pune during 4th to 5th March 2016
- Dr. A. V. Andhale participated and presented a paper in National Conference entitled “ Effect of extracts of Alovera to control *Corcyza Cephalonica* in rice” organized by S. M. Joshi College, Pune on 10th and 11th July 2015.
- Dr. A. V. Andhale has attended National Conference on “ Recent advances in cell biology and molecular biology , at S.P. College, Pune during 5th to 6th Feb 2016
- Dr. A. V. Andhale has attended National Conference on “ Climate Change : Assessment, Impact and its relevance to India, at S.P.College, Pune during 4th to 5 March 2016
- Dr. A. V. Andhale has attended International Conference on “Plant Research and resource managements” at T. C. College, Baramati, Pune, during 11th to 13 Feb 2016.
- Dr. A. V. Andhale has attended National Conference FDAC -2016, at Modern College, Pune during 22nd to 23th January 2016.

- Dr. A. V. Andhale participated and presented a paper in National Conference entitled “Consequences of vehicle discharge on growth of plant and on human health ” organized by K.K.C College, Chalisgaon on 22nd and 23rd Sept 2015
- Dr. M. S. Arora participated and presented a paper in National Conference entitled “Effect of Leufenuron on the life cycle of *Tribolium Casteneum*” - Current trend in Biodiversity Conservation and climate change”, at Y.M.C, Pune during 24th to 25th Feb 2016
- Dr. M. S. Arora has attended National Conference on “ Climate Change : Assessment, Impact and its relevance to India, at S.P.College,Pune during 4th to 5 March 2016
- Dr. M. S. Arora has attended National Conference on “ Recent advances in cell biology and molecular biology , at S.P. College, Pune during 5th to 6th Feb 2016
- Ms. K. A. Phatak participated in National Conference on “Sensitization and Technological Empowerment of women for their S and T Endeavours, at Pune on 25th Sept 2015.
- Ms. K. A. Phatak participated in University level workshop on “Understanding of origin and Endnote Software” held at S.P.P.U, Pune on 17th Oct 2015.
- Ms. K. A. Phatak has attended National Conference on “Current trend in Biodiversity Conservation and climate change”, at Y.M.C, Pune during 24th to 25th Feb 2016
- Ms. K. A. Phatak participated in National Conference on “Recent trends in Life Sciences” organized by S. M. Joshi College, Pune on 10th and 11th July 2015.
- Ms. K. A. Phatak participated in International Conference “ ICRR-HHE 2016” organized by BARC, Mumbai, India on 11th to 13th February 2016
- Ms. K. A. Phatak participated in National Conference “ Recent trends in Biology - 2016” organized by S.P.P.U, Pune, India on 28th March 2016
- Ms. K. A. Phatak participated in National Conference FDAC -2016 , at Modern College, Pune during 22nd to 23th January 2016
- Dr. R. Raina participated in National Conference FDAC -2016 , at Modern College, Pune during 22nd to 23th January 2016
- Ms. T. S. Tondarkar participated and presented a poster in International Conference on “Contemporary Research in Chemical and Life Sciences” at S. G. Maharaj College, Karad on 22nd and 23rd April 2015.
- Ms. T. S. Tondarkar participated in National Conference on “Recent trends in Life Sciences” organized by S. M. Joshi College, Pune on 10th and 11th July 2015.
- Ms. T. S. Tondarkar participated in National Conference “ Recent trends in Biology - 2016” organized by S.P.P.U, Pune, India on 28th March 2016
- Dr. Mrs. Sangeeta Kudale has attended National Conference on “Current trend in Biodiversity Conservation and climate change”, at Y.M.C, Pune during 24th to 25th Feb 2016

- Dr. Mrs. Sangeeta Kudale participated in National Conference FDAC -2016 , at Modern College,Pune during 22nd to 23rd January 2016
- Mr. Abhishek Buxi participated in National Conference on “ Recent trends in Life Sciences” organized by S. M. Joshi College, Pune on 10th and 11th July 2015.
- Dr. Sinha Sangeeta participated in National Conference on “Sensitization and Technological Empowerment of women for their S and T Endeavours, at Pune on 25th Sept 2015.

Department of English

- Dr. J. R. Salve has attended a National Conference entitled “Communication *plus*: Empowering language learners through effective listening and active Vocabulary” at Symbiosis, Pune, on 6th Feb 2016”
- Dr. J. R. Salve has attended a State Level Seminar on “Translation : Techniques and Challenges” at S. P. College, Pune, during 1st and 2nd March 2016”
- Dr. J. R. Salve has attended a National Conference entitled “Indian English Literature in the 21st Century” at Y. M. College, Pune, on 4th March 2016”
- Dr. S. V. Bankar has attended a National Seminar on “ Pedagogy and ideology : Present status of teaching in India” at Arts, Commerce and Science College, Narayangaon, Pune, during 8th to 9th Jan 2016
- Dr.S.V.Bankar has attended a National Seminar on “ Recent trends in English Studies in India” at Malpani College, Sangamner, Pune, during 16th to 17th Feb 2016

Annexure VI

Faculty from college who attended Refresher course/ Orientation Programmes/ Workshop/ Summer schools etc.

Department of Chemistry

- Mr. Y. M. Nandurkar has attended a short term course on “Faculty Development Programme for Senior Faculty on Research Methodology” organized by Department of Education and Extension, S.P.P.U, Pune during 6th to 12th June 2016.
- Mr. Y. M. Nandurkar has attended a one week Training Programme on “Microsoft Digital Innovation Lab” organized by Ness Wadia College of Commerce, Pune during 21st to 26th Sept 2015.
- Dr. V. T. Borkar has participated in the General Orientation Programme conducted at “UGC human Resource Development Centre, S.P.P.U, Pune during 1st Oct to 28th Oct 2015.
- Ms. S. M. Avahd has participated in the General Orientation Programme conducted at “UGC human Resource Development Centre, S.P.P.U, Pune during 1st Dec to 28th Dec 2015.

Department of Geology

- Ms. Sangeeta Pachkhande has participated in the General Orientation Programme conducted at UGC human Resource Development Centre, S.P.P.U, Pune during 1st Oct to 28th Oct 2015.

Department of Botany

- Dr. A. S. Limaye has attended a one week Training Programme on “Microsoft Digital Innovation Lab” organized by Ness Wadia College of Commerce, Pune during 21st to 26th Sept 2015.
- Dr. A. S. Limaye participated in one day workshop on T.Y.B.Sc. Practical Workshop : New Syllabus at Abasaheb Garware College, on 5th Dec 2015
- Ms. Komal Dhumal participated in one day workshop on T.Y.B.Sc Practical Workshop : New Syllabus at Abasaheb Garware College, on 5th Dec 2015
- Dr. Sujata Valvi participated in one day workshop on T.Y.B.Sc. Practical Workshop : New Syllabus at Abasaheb Garware College, on 5th Dec 2015
- Dr. S. R. Valvi has participated in the General Orientation Programme conducted at “UGC human Resource Development Centre, S.P.P.U, Pune during 18th April to 15th May 2016.

Department of Physics

- Mr. S. R. Kate has participated in the General Orientation Programme conducted at “UGC Human Resource Development Centre, S.P.P.U, Pune during 3rd Aug to 30th Aug 2015.
- Dr. V. V. Antad has participated in the General Orientation Programme conducted at “UGC human Resource Development Centre, S.P.P.U, Pune during 1st Dec to 28th Dec 2015.
- Dr. S. S. Warule has participated in the General Orientation Programme conducted at “UGC human Resource Development Centre, S.P.P.U, Pune during 18th April to 15th May 2016.

Department of Economics

- Mrs. Iramani Kalita has attended a one week Training Programme on “Microsoft Digital Innovation Lab” organized by Ness Wadia College of Commerce, Pune during 21st to 26th Sept 2015.

Department of History

- Ms. Pramila Dasture has attended a one week Training Programme on “ Microsoft Digital Innovation Lab ” organized by Ness Wadia College of Commerce, Pune during 21st to 26th Sept 2015

Department of Geography

- Mr. N. K. Bhagat has attended a one week Training Programme on “ Microsoft Digital Innovation Lab ” organized by Ness Wadia College of Commerce, Pune during 21st to 26th Sept 2015
- Dr. U. Khare has attended a one week Training Programme on “ Microsoft Digital Innovation Lab ” organized by Ness Wadia College of Commerce, Pune during 28th Sept to 3rd Oct 2015

- Mr. Y. N. Pawar has attended a one week Training Programme on “ Microsoft Digital Innovation Lab ” organized by Ness Wadia College of Commerce, Pune during 21st to 26th Sept 2015
- Ms. R. H. Rathod has attended a one week Training Programme on “ Microsoft Digital Innovation Lab ” organized by Ness Wadia College of Commerce, Pune during 28th Sept to 3rd Oct 2015
- Mr. Y. N. Pawar has attended “NRDMS Summer School on Geospatial Technologies ” organized by Institute of Environment Education and Research, Bharti Vidyapeeth University, Pune during 20th June to 10th July 2015.
- Mr. R. S. Kolapkar has participated in the General Orientation Programme conducted at “UGC human Resource Development Centre, S.P.P.U, Pune during 1st Oct to 28th Oct 2015.

Department of Zoology

- Miss. Kanchan Phatak has attended a one week Training Programme on “Microsoft Digital Innovation Lab” organized by Ness Wadia College of Commerce, Pune during 28th Sept to 3rd Oct 2015.
- Dr. A. V. Andhale has participated in the “Mind Education Specialist Training Programme” organized by International Mind Education
- Dr. Mrs. Sangeeta Kudale has attended a one week Training Programme on “ Microsoft Digital Innovation Lab ” organized by Ness Wadia College of Commerce, Pune during 21st to 26th Sept 2015
- Dr. Mrs. Sangeeta Kudale has attended Refresher Course in Environmental Studies (ID) organized by UGC-HRDC, University of Mumbai, during 19th Oct to 7th Nov 2015
- Dr. S. B. Waghmare has attended Refresher Course in “Challenges in higher education” organized by Rani Durgavati Vishwavidyalaya Jabalpur, during 4th July to 30th July 2015.

Department of French

- Mr. M. S. Gohad has attended a one week Training Programme on “Microsoft Digital Innovation Lab” organized by Ness Wadia College of Commerce, Pune during 21st to 26th Sept 2015.

Department of English

- Dr. Bankar Sachin has attended Refresher Course in Languages (English) conducted by Department of English, SPPU, Pune from 01st to 21st December 2015.

Annexure VII

Department of Chemistry:

- Dr. B. B. Bahule authored a book entitled 'Organic Reactions and their Mechanism' for Post Graduate students published by Amitesh Publishing Company (ISBN-978-1-329-55250-0)
- Dr. B. B. Bahule authored a book entitled 'Synthesis and Biogenesis of Natural Products' for Post Graduate students published by Lambert Academy of Publishing Germany (ISBN-9783659898235)
- Dr. B. B. Bahule authored a book entitled 'Stereoselective Synthesis of Brassinolide and Analogues: Development of new methodology' for Post Graduate students published by Lambert Academy of Publishing Germany (ISBN-9783659857454)
- Dr. R. P. Bhadane co-authored a book entitled "Physical and Analytical chemistry" for S. Y. B. Sc. Paper I (Term 1) published by Manali Prakashan (ISBN: 978-81-926856-8-7)
- Dr. R. P. Bhadane co-authored a book entitled "Physical and Analytical chemistry" for S. Y. B. Sc. Paper I (Term 2) published by Manali Prakashan (ISBN: 978-93-84083-01-4)
- Dr. R. P. Bhadane co-authored a book entitled "Advanced Practicals in Physical Chemistry" for Post-Graduate students published by Manali Prakashan (ISBN: 978-81-926856-3-2)

Department of Physics:

- Dr. L. M. Chaudhari authored a book entitled 'Mathematical methods in Physics' for Under Graduate students published by Amitesh Publishing Company (ISBN-978-1-329-74294-9)

Department of Botany:

- Dr. S. V. Ahire co-authored a book entitled 'Botany Horticulture & Floriculture' for T.Y.B.Sc. (Sem-III) published by Success publications. (ISBN:978-93-5158-384-4)
- Dr. S. V. Ahire co-authored a book entitled 'Cryptogamic Botany' for T.Y.B.Sc. (Sem-III) published by Success publications. (ISBN:978-93-5158-374-5)

Annexure VIII

Sr. No.	Name of the student	Name of the event game
1	Karan Kamthe	Karate
2	Arhant Joshi	Roll Ball
3	Miss. Yashodhara Sherekar	Cycling
4	Kunal Gandhi	Youth Fencing championship
5	Mohammad Farhad Hazratjaan	Boxing
6	Miss. Priya Dodke	Cycling
7	Miss. Debanjana Rajak	Table Tennis

8	Miss. Yashodhara Sherekar	Cycling
9	Hylohorabc Irrangave	Football
10	Prem Jadhav	Marathon race
11	Anthony Emensual	Football
12	Kunal Gandhi	Fencing Competition
13	Miss. Yashodhara Sherekar	Cycling
14	Miss. Neha Salunke	Athletics
15	Miss. Tejashree Pawar	Boxing
16	Aman Modi	Athletics
17	Miss. Purva Gidwani	Tennis
18	Kunal Gandhi	fencing competition
19	Miss. Mrunalini Tupe	Boxing
20	Suraj Jetgi	Athletics
21	Carlton Domnic	Football
22	Pillay Rishabh	Football
23	Miss. Gumbade Pooja	Wrestling
24	Kunal Gandhi	Fencing competition.
25	Nitish Singh	Power lifting
26	Chavan Akash	Power lifting
27	Miss. Sara Anwar	Hand Ball
28	Miss. Debanjana Rajak	Tennis
29	Miss. Yashodhara Sherekar	Cycling
30	Mohammad Farhad	Boxing
31	Thapa Yadav	Boxing
32	Hylohorebe Irrangave	Football
33	Anthony Emanuel	Football
34	Nair Krishna	Boxing

35	Miss. Tejashree Kawde	Hockey
36	Miss. Janavi Vadke	Volleyball
37	Akash Sonawane	Choekwondo
38	Miss. Sneha Suryawanshi	kick boxing & karate
39	Miss. Dyaneshwari Khataokar	Carrrom
40	Gaurav Gaikwad	Boxing
41	Miss. Aishwarya Gole	Kick Boxing
42	Miss. Mansi Deshmukh	Athletics
43	Miss. Priya Dodke	Athletics
44	Shantanu Gadave	Athletics
45	Miss. Jayshree Nair	Athletics
46	Kunal Gandhi	Sebar fencing
47	Miss. Yashodhara Sherekar	road race and track
48	Nitish Singh	power lifting
49	Akash Chavan	power lifting
50	Suraj Jetgi	Athletics
51	Mirza Mosinbeg	Athletics
52	Miss. Gumbade Pooja	power lifting
53	Sudarshan Sourat	Badminton competition
54	Mohammed Farhad	Boxing
55	Thapa Yadav	Boxing
56	Nair Krishna	Boxing
57	Miss. Mrunalini Tupe	Boxing
58	Kunal Gandhi	Fencing Foil competition
59	Prem Jadhav	Hockey
60	Prashant Punde	Hockey
61	Suraj Jetgi	Athletics

62	Mirza Mosinbeg	Athletics
63	Miss. Mansi Deshmukh	Athletics
64	Miss. Priya Dodke	Athletics
65	Shantanu Gadave	Athletics
66	Miss. Jayashree Nair	Athletics

International Level:

1. Karan Kamthe: Participated in the Common Wealth International Karate Championship at New Delhi and also participated in National Karate championship held at Jabalpur
2. Arhant Joshi: Represented India in International Roll ball championship held at Taiwan.

National Level:

1. Miss. Yashodhara Sherekar: Selected to represent Maharashtra in the National Cycling Competition held at Ludhiana Punjab, She has also won the Gold medal in the National Mountain bike championship.
2. Kunal Gandhi: Selected to represent Maharashtra in the National Youth Fencing championship to be held at Patiala Punjab.
3. Mohammad Farhad Hazratjaan: Won the Gold medal in Afghanistan National Boxing championship held at Kabul, he also won the Gold medal in the National open MMA championship 2016 held at Mumbai.
4. Miss. Priya Dodke: Won the silver medal in the National cycling championship held at Pune
5. Miss. Debanjana Rajak: Selected to represent Pune University in the All India Inter University Table Tennis championship to be held at Bhopal.
6. Miss. Yashodhara Sherekar: Selected to represent Pune University in the All India Inter University Road race cycling Competition held at Patiala Punjab
7. Hylohorabc Irrangave: Selected to represent Pune University in the West Zone Inter University Football competition held at Jaipur Rajasthan.
8. Prem Jadhav: Stood 7th in the Pune International Marathon race in 5 km race and completed the race in just 16 mins.
9. Anthony Emenual: Selected to represent Pune University in the West Zone Inter University Football championship held at Jaipur Rajasthan.
10. Kunal Gandhi: Selected to represent Pune University in the All India Inter University Fencing Competition held at Chandigarh.
11. Miss. Yashodhara Sherekar: Selected to represent Pune University in the All India track cycling Competition held at Patiala Punjab.

State Level:

1. Miss. Neha Salunke: Participated in Maharashtra state Athletics School Championship held at Akola.
2. Miss. Tejashree Pawar: Participated in the Maharashtra State Boxing Competition held at Chandrapur.
3. Aman Modi: Participated in the Maharashtra Athletics school championship held at Nashik.
4. Miss. Purva Gidwani: Participated in the Maharashtra State Table Tennis Championship held at Panvel, Raigad.

5. Kunal Gandhi: Won the Gold medal in Maharashtra State fencing competition held at Solapur. The following players have participated in Pune University Inter Zonal competition in different games
6. Miss. Mrunalini Tupe: Participated in Pune University Inter Zonal Boxing Competition.
7. Suraj Jetgi: Participated in Athletics Championship in Hammer Throw event
8. Carlton Dominic: Participated in Athletics Championship in Hammer Throw event.
9. Pillay Rishabh: Participated in Football championship held at Ahmednagar.
10. Miss. Gumbade Pooja: Participated in wrestling competition held at Karjat.
11. Kunal Gandhi: Participated in fencing competition.
12. Nitish Singh: Selected to represent Pune Zone in Power lifting competition.
13. Chavan Akash: Participated in Power lifting competition.
14. Miss. Sara Anwar: Participated in Hand Ball Competition held at Junnar.
15. Miss. Debanjana Rajak: Participated in Zonal Table Tennis Competition and won the gold medal.
16. Miss. Yashodhara Sherekar: Participated in Track cycling competition, she was also selected to participate in the road race cycling competition.
17. Mohammad Farhad: Participated in boxing competition and won the Gold Medal.
18. Thapa Yadav: Participated in Zonal Boxing competition and won the silver medal.
19. Hylohorebe Irrangave: Participated in Zonal football competition held at Ahmadnagar.
20. Anthony Emanuel: Participated in Zonal football competition held at Ahmadnagar.
21. Nair Krishna: Participated in Zonal Boxing Competition.
22. Miss. Tejashree Kawde: Participated in Zonal Hockey Championship.
23. Miss. Janavi Vadke: Participated in the Maharashtra State Volleyball competition held in Gondia.
24. Akash Sonawane: Participated in Divisional Choekwondo competition.
25. Miss. Sneha Suryawanshi: Participated in divisional kick boxing and karate competition held in Solapur.
26. Miss. Dyaneshwari Khataokar: Participated in the State Level Carrom Competition held at Akola
27. Gaurav Gaikwad: Participated in District Boxing competition and won the silver medal.
28. Miss. Aishwarya Gole: Participated in the District Kick Boxing competition and won the Bronze medal.
29. Miss. Mansi Deshmukh: Participated in District Athletics competition 100 mts. run race and won the Bronze medal.
30. Miss. Priya Dodke: Participated in the District Athletic competition in 5000 mts race and won the Bronze medal.
31. Shantanu Gadave: Participated in the District Athletic competition in long jump and 200 mts run and won the Bronze medals.
32. Miss. Jayshree Nair: Participated in the District Athletics competition in shot put and javell in throw events and won the Bronze medals.
33. Kunal Gandhi: Won the Gold medal in the Inter Collegiate Sebar fencing competition.
34. Miss. Yashodhara Sherekar: Won the Silver medal in Inter Collegiate road race and track competitions.
35. Nitish Singh: Won the Gold medal in the Inter Collegiate power lifting competition in 66 kgs wt. group.
36. Akash Chavan: Won the Silver medal in Inter Collegiate Power lifting competition in 99 kgs wt. group.
37. Suraj Jetgi: Won the Gold medal in Inter Collegiate Athletics competition in Hammer Throw event.
38. Mirza Mosinbeg: Won the Bronze medal in Inter Collegiate Athletics competition in Pole Vault event.
39. Miss. Gumbade Pooja: Won the Gold medal in Inter Collegiate Wrestling competition in 55 kg wt. category.
40. Sudarshan Sourat: Won the Gold medal in Internal Collegiate Badminton competition.
41. Mohammed Farhad: Won the Gold medal in the Inter Collegiate Boxing competition in Light heavy xt. Group.
42. Thapa Yadav: Won the Gold medal in Inter Collegiate Boxing competition.

43. Nair Krishna: Won the Silver medal in the Inter Collegiate Boxing competition.
44. Miss. Mrunalini Tupe: Won the Silver medal in the Inter Collegiate Boxing competition.
45. Kunal Gandhi: Won the Silver medal in the Inter Collegiate Fencing Foil competition.
46. Prem Jadhav: Participated in the Maharashtra State Hockey competition held at Aurangabad.
47. Prashant Punde: Participated in the Maharashtra State Hockey competition held at Aurangabad.

Gold Medal:

1. Miss. Yashodhara Sherekar: Selected to represent Maharashtra in the National Cycling Competition held at Ludhiana Punjab, She has also won the Gold medal in the National Mountain bike championship.
2. Mohammad Farhad Hazratjaan: Won the Gold medal in Afghanistan National Boxing championship held at Kabul, he also won the Gold medal in the National open MMA championship 2016 held at Mumbai.
3. Kunal Gandhi: Won the Gold medal in Maharashtra State fencing competition held at Solapur. The following players have participated in pune university inter zonal competition in different games
4. Miss. Debanjana Rajak: Participated in Zonal Table Tennis Competition and won the gold medal.
5. Mohammad Farhad: Participated in boxing competition and won the Gold Medal.
6. Kunal Gandhi: Won the Gold medal in the Inter Collegiate Sebar fencing competition.
7. Nitish Singh: Won the Gold medal in the Inter Collegiate power lifting competition in 66 kgs wt. group.
8. Suraj Jetgi: Won the Gold medal in Inter Collegiate Athletics competition in Hammer Throw event.
9. Miss. Gumbade Pooja: Won the Gold medal in Inter Collegiate Wrestling competition in 55 kg wt. category.
10. Sudarshan Sourat: Won the Gold medal in Internal Collegiate Badminton competition.
11. Mohammed Farhad: Won the Gold medal in the Inter Collegiate Boxing competition in Light heavy xt. Group.
12. Thapa Yadav: Won the Gold medal in Inter Collegiate Boxing competition.
13. Suraj Jetgi: Won the Gold medal in Inter Collegiate Athletics competition in Hammer Throw event.
14. Yashodhara Sherekar won the Gold Medals in Inter collegiate road race and track cycling competitions.
15. Miss. Sneha Suryavanshi and Miss. Aishwarya Gole won the Gold Medals in Kick Boxing and Karate championships.

Silver Medal:

1. Miss. Priya Dodke: Won the silver medal in the National cycling championship held at Pune
2. Thapa Yadav: Participated in Zonal Boxing competition and won the silver medal.
3. Miss. Yashodhara Sherekar: Won the Silver medal in Inter Collegiate road race and track competitions.
4. Akash Chavan: Won the Silver medal in Inter Collegiate Power lifting competition in 99 kgs wt. group.
5. Nair Krishna: Won the Silver medal in the Inter Collegiate Boxing competition.
6. Miss. Mrunalini Tupe: Won the Silver medal in the Inter Collegiate Boxing competition.
7. Kunal Gandhi: Won the Silver medal in the Inter Collegiate Fencing Foil competition.
8. Gaurav Gaikwad won the Silver Medal in Kick Boxing and Karate championships.
9. Miss. Mrunali Tupe won the Silver Medal in Inter collegiate Boxing Miss. Gumbde Pooja competition

Bronze Medal:

1. Miss. Aishwarya Gole: Participated in the District Kick Boxing competition and won the Bronze medal.
2. Miss. Mansi Deshmukh: Participated in District Athletics competition 100 mts. run race and won the Bronze medal.
3. Miss. Priya Dodke: Participated in the District Athletic competition in 5000 mts race and won the Bronze medal.
4. Shantanu Gadave: Participated in the District Athletic competition in long jump and 200 mts run and won the Bronze medals.
5. Miss. Jayshree Nair: Participated in the District Athletics competition in shot put and javell in throw events and won the Bronze medals.
6. Mirza Mosinbeg: Won the Bronze medal in Inter Collegiate Athletics competition in Pole Vault event.

Dr. Ms. S. A. Boxwala
IQAC Coordinator

Dr. K. S. Venkataraghavan
Chairperson, IQAC
