



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 2014-2015.

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

Sl. 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.

1.10 Institutional Status

University : State

Affiliated College : Yes

Constituent College : No

Autonomous college of UGC : No

Regulatory Agency approved Institution : Yes

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, Pune
(Formerly University of Pune, Pune)

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

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 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	: 07
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2.11 No. of meetings with various stakeholders: 11	Faculty: 08
Non-Teaching Staff / Students : 01	Alumni: 02 Others: 00

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

- IQAC motivated each department to conduct student oriented activities like scientific or social exhibitions, academic competitions, etc.
- Various intercollegiate events like Gokhale cup, Sethi trophy has been organized for the betterment of student's overall knowledge
- CAS (Career Advancement Scheme) for teachers
- PBAS (Performance Based Appraisal System) implemented for teaching staff
- Planning of Programmes for the academic year, monitoring the programmes and reviewing the plan at the end of the year

2.15 Plan of Action by IQAC/Outcome

The plan of action was decided by the IQAC for the excellence in development which is responsible for the grand outcome achieved at the end of the year.

Academic Calendar: 2014-15

First Term

Sr. No.	Academics/ Events	Dates
1	Commencement of first term	16 th June 2014
2	College Foundation Day	21 st July 2014
3	First Mid-Semester Examination of B.Sc.	4 th week of August
4	N. S. S. Day	24 th September 2014
5	Scholar's Day	8 th October 2014
6	First Semester University Examination of B.Sc.	4 th week of October
7	Conclusion of the first term	21 st October 2014

Second Term

Sr. No.	Academics/ Events	Dates
1	Commencement of second term	19 th November 2014
2	Term End Examination of B.A.	1 st week of December
3	N. S. S. Camp	4 th week of December
4	Extra and co-curricular departmental activities	3 rd week of January 2015
5	Gokhale Cup Elocution Competition	21 st January 2015
6	Sethi Inter-College Quiz Competition	31 st January 2015
7	N. C. C. Day	11 th January 2015

8	Gymkhana Day	12 February 2015
9	Second Mid-Semester Examination of B.Sc.	2 nd and 3 rd week of February
10	University Annual Examination of B.A.	2 nd week of April
11	Second Semester University Examination of B.Sc.	4 th week of April
12	Conclusion of Second Term	30 th April 2015

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"> 5 teachers successfully completed refresher courses and 4 teachers attended orientation programmes 63 teachers participated in conferences, 29 teachers participated in workshops and 23 teachers attended seminars.
<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 200 students participated in various intercollegiate events and competitions and brought laurels to the college T. Y. B. Sc. Biotechnology Students Miss. Madhumeeta Chaddha and Miss. Priyanka Desai won the Zonal level & University level project competition for the project entitled ‘‘Biodiesel production from waste temple oil’’ and participated in the State level ‘Avishkar’ Competition. Department of Chemistry organized the Silver Jubilee lecture competition for PG Chemistry students. Many students participated in various Intercollegiate, State, Zonal National and International sports activities and won Four Gold, Eight Silver and Five bronze Medals. Cricketer Aquib Shaikh selected to represent Maharashtra in National Vinu Mankad Cricket Trophy Tournament Miss. Sonal Bindra won First Prize in University level elocution competitions and Vishwa Jigyasa Extempore competition
<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 The Debating Society of Nowrosjee Wadia College organized annual ‘Elocution and Extempore Speech Competitions’. This year Zenia

	<p>Silveira from senior wing won the First prize in Elocution Competitions and Sonal Bindra won First prize in Extempore speech competitions</p> <ul style="list-style-type: none"> • Nowrosjee Wadia College organized annual Prestigious Inter-collegiate Gokhale Cup- Elocution competition. This year Best Team award won by Abeda Inamdar Senior College • Nowrosjee Wadia College also organized Late Mayadevi Chandanlal Sethi Trophy-An Inter-collegiate quiz competition. Team Nowrosjee Wadia won this competition • 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"> • Improving student evaluation procedures. 	<ul style="list-style-type: none"> • Teacher based individual evaluation system implemented for students which includes theoretical and numerical assignments, improvisation in practical scheme, inclusions of students in small scale repairing of instruments at department level variety of activities like surprise tests, open book tests, seminars, hobby projects, etc. The marking scheme for internal marks has been redesigned accordingly • 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, etc.
<ul style="list-style-type: none"> • Upgrading laboratory equipments 	<ul style="list-style-type: none"> • Computer laboratory (Computers, softwares, hardware and other peripherals) electronics equipments for laboratories and other equipments related to research and curricular practicals were purchased of Rs. 26.36 Lakhs
<ul style="list-style-type: none"> • Encouraging teachers to take up major/minor research projects 	<ul style="list-style-type: none"> • 4 teachers bagged minor research projects totalling to 12.18 Lakhs
<ul style="list-style-type: none"> • Active participation in curricular development at university level. 	<ul style="list-style-type: none"> • 11 teachers were a part of syllabus restructuring as well as development at various levels

	<ul style="list-style-type: none"> Department of Botany organized A One Day Workshop on 'New Practical Syllabus for S. Y. B. Sc. w. e. f. 2014'
<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, Constitutional 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"> Many departments like Botany, Chemistry, Physics and Biotechnology organized Industrial visits and lectures by Industrial Experts There were seven companies visited the campus for placement and 35 students got job offers from companies like TechMahindra, HSBC, Cognizant, Zensar, TCS, Infosys IT etc. Around 40 companies visited the campus for placement of Post-Graduate students in Computer Science and geology with Petroleum Technology. Around 60 students from PG were recruited in 25 companies like Symantec, Sybase, Quick Heal, TCS, Wipro etc. Two organizations, Dr. Reddy's Laboratory and Jubilant Pharma, visited the campus for placement of Post-Graduate students in Chemistry.
<ul style="list-style-type: none"> Expanding the reach of Extension activities 	<ul style="list-style-type: none"> Maharashtra Talent Search (MTS) Examination, Centre for Talent Search and Excellence, conducted exam for the standards of VIII, IX and X throughout Maharashtra, Karnataka, Goa, and parts of Gujarat in April 2015. This year 1,05,730 students appeared for the test. Around 614 students appeared for Graduate Excellence Exam (GEE) conducted by CTSE. 5261 candidates appeared for Entrance Examination for UPSC Preliminary Examination Coaching program conducted by CTSE for YASHADA.

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 06/09/16
- Revised draft presented before IQAS and approved with suitable changes on 24/09/16
- Presented before Management and approved by Management on 05/10/16
- Uploaded on the college website www.nowrosjeewadiacollege.edu.in on 22/11/16 at the following link.

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		04	0
P.G.	17 Annexure II	0	17	0
U.G.	17 (08+07+02) Annexure III	01 (Marathi Special at TYBA)	02	0
P.G. 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	01	23	0
Interdisciplinary	01 Annexure IV	0	01	0
Innovative	0	0	0	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 UG courses consist of elective subjects like Electronics Equipment Maintenance (EEM) and Industrial Chemistry thus provide flexibility in the curriculum.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	18+7+2 (As explained below)
Trimester	0
Annual	7+7+2 (As explained below)

- For UG Science programmes, First Year follows the Annual Pattern for both theory and practicals whereas the second and third year follows the Semester Pattern for theory while

practical examinations for these classes are conducted annually. For UG Arts Programmes, the Annual Pattern is followed for all three years.

- For the PG programmes, the Semester Pattern for both theory and practicals is followed for all the classes.

1.3**Please provide an analysis of the feedback*

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

Feedback from Stakeholders:

Alumni of the Institute is a great strength and we are fortunate enough that many of such alumni showed their interest in syllabus designing as well as co-curricular and extra-curricular activities run throughout the academic year. Our Alumni has a constant active association with their respective departments, through their participation in various co-curricular activities, as Judges and Speakers. We take regular feedback from Alumni and the mode of feedback is manual.

Feedback from Employer:

Several multinational companies including TCS, Persistent, etc are in continuous contact with the organizations every year when they visit for recruitment. Placement officers report their positive as well as negative feedbacks. Some companies approach again satisfied by the performance of the students they have recruited. We receive mails from recruiters thanking for providing good employees.

Feedback from students:

Students are the centre of the institution and education system and hence it is very essential to analyze the teacher based on student's feedback. We take regular feedback from the regular students in the specific format designed by the college on 10 point scale (0-unsatisfactory to 10- Excellent). Students are allowed to write remarks on the prescribed format given to them which consists of the points like punctuality, adequate knowledge, ability to convey the contents, use of innovative techniques and many more. The feedback forms were collected and submitted to the Head of the concerned department. Action taken reports were prepared based on the feedback and was submitted to college to take necessary action if required.

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 (formerly University of Pune). Certificate course is designed in consultation with Industrial or Domain Experts
- 2) Both P.G. and U.G. syllabus is revised once in 5 years

3) The syllabus for S.Y. B.Sc. / S.Y.B.A. was revised and implemented in the academic year 2014-15

4) Syllabus for second year P.G. was also revised during the year 2014-15

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

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
87 (Aided)	50	35	--	02*
08 (Non Aided)	04	04	--	--

*Others include Librarian, Director Physical Education

1.2 No. of permanent faculty with Ph.D.: 48 (47 from Aided, 1 from Non Aided)

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

Assistant Professors		Associate Professors		Professors		Others		Total	
E+R	V	E+R	V	E+R	V	E+R	V	E+R	V
47+0 (Aided)	13	38+0	0	0+0	04	2+0	0	87	17
04 (Non-aided)	00	04	0	0	0	0	0	08	84*

*Faculty on consolidated and clock hour basis salary has been considered for vacant positions and recruited on yearly basis.

2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest	Visiting*	Temporary
31 (G)	33 (G)	12(G)
05(NG)	85(NG)	82(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	23	50	10
Presented papers	13	24	3
Resource Persons	1	1	0

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

1. Department of Defence and Strategic Studies took students to M. I. T. Pune for a one-day seminar on “Current issues related to J &K”. Interaction between students and scholars and experts, on National Security issues in India.
2. Department of Chemistry organised an Exhibition on power of chemistry, for UG & PG students. Industrial visits for M.Sc. II students, T. Y. B. Sc. students.
3. Department of Geography organized a study tour for S.Y.B.A students, Village survey for M.A., S.Y/T.Y B.A, IMD tour for F. Y. B. Sc. GeoFest for students of the department.

4. Department of English, Poetry reading competition for UG & PG students, Literaria, the literary fest, two movies for S.Y.B.A. showcased for discussion.
5. In Department of Economics a Panel discussion on “Issues related to planning commission” for T.Y.B.A students was organized and a lecture on Financial Literacy for students was delivered.
6. Department of Mathematics arranged a guest lecture on National mathematics day. A mathematical Dumb Charades & Fun math tricks competition on Mathematics Day.
7. Department of Biotech organized an industrial visit for T. Y. B. Sc. students, study tour to Pashan lake for S. Y. B. Sc. students, visit to the Science express, Khadki for S. Y. B. Sc students, an intercollegiate competition, “BioTechcellence 2k15”, for students of the department, a guest lecture on “National dialogue on plant taxonomy” for F. Y. B. Sc. students.
8. In Department of Zoology a guest lecture on “Perspective of research on viruses in India” for T. Y. B. Sc. was arranged. They started a club” Enthuzoostic, Zoo-club” for students of the department, various study tours and one day tours for UG and PG students were also conducted.
9. Department of Botany organized an intercollegiate Botany festival for the students, a botanical study tour to Bhimashankar for F. Y. B. Sc, a Botanical tour for S. Y. B. Sc & T.Y. B. Sc, M. Sc students,
10. Department of electronics arranged a workshop on “Workshop practice of home appliances and consumer electronic products” for students of EEM, exhibition by students of Bifocal electronics, B.Sc. & M.Sc. , A quiz competition was organized for F. Y. B. Sc, study tours for M. Sc. and EEM students was also scheduled.
11. Department of French: An interdisciplinary programme on “Blaise Pascal – Mathematician & Physician”, organized for the students of the department, a series of programmes under the title “La Promonadeen France- the stroll in France” was organized.
12. Department of Geology organized study tour to Bhuj, Kankauli and Goa for S. Y. B. Sc. & T. Y. B. Sc. students. M. Sc. I students were taken for field work to Dive ghat. Department of Petroleum technology recognized as official student chapter of SPE.
13. Department of History organized a film screening of “Samvidhan”.
14. Department of Computer Science organized a talk on “Mitigating Security Threats “, by one of our department’s Alumni. The annual TechQriosity fest was held for the PG students of the department. The highlight of the fest was the introduction of a new competition “Concept Concretization”
15. Department of Physics organized the annual “PhysiQuest 2015” for students of the department.
16. Department of Psychology organized a movie screening for the students of the department. A one day inter-collegiate Psychology fest, “Beautiful minds” was organized. PG students of the department conducted many workshops on “Resilience and Coping”, in coordination with the Reach out to life foundation, at various schools.

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

Arts	Science
196	189

2.8 Examination/ Evaluation Reforms initiated by the Institution

- Continuous comprehensive assessment of the Post Graduate students has been continued throughout the academic year 2014-15
- 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 done by PG students

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

Curriculum Restructuring	Curriculum Revisions	Syllabus Development
08	10	18

2.10 Average percentage of attendance of students

Exact percentage varies class to class. However, the average percentage is approximately 75.

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	Higher II %	II nd + Pass class %	Pass %
(Grantable Courses)						
F. Y. B. Sc.	788	5.30	8.40	6.60	4.60	68.15
F. Y. B. A.	564	12.40	13.10	7.10	05.50	81.56
T. Y. B. Sc.	414	17.63	26.09	8.45	3.38	55.80
T. Y. B. A.	498	6.83	30.12	11.45	19.68	68.07
(Non-Grantable Courses)						
F. Y. B. Sc. (Bio-Tech)	39	20.51	41.03	02.56	02.56	97.44
F. Y. B. Sc. (Comp. Sci.)	233	10.30	9.87	8.58	15.02	75.97
F. Y. B. A.	153	11.76	16.34	10.46	03.27	76.47
T. Y. B. Sc. (Comp. Sci.)	175	08.00	23.42	17.71	08.57	57.71
T. Y. B. Sc. (Biotech.)	41	09.75	26.83	12.20	48.78	97.56

M. C. S. (Comp. Sci.)	60	11.67	51.67	11.67	18.33	98.33
M. Sc. (Electronics)	18	66.67	33.33	00.00	00.00	100.00
M. Sc. (Analytical Chem.)	44	20.45	45.45	22.72	04.54	93.18
M. Sc. (Physical Chem.)	41	31.70	34.14	29.26	34.14	100.00
M. Sc. (Polymer Chem.)	23	08.69	21.73	43.47	17.39	91.30
M. Sc. (Organic Chem.)	39	41.02	30.76	02.56	00.00	74.36
M. Sc. (Physics)	20	05.00	35.00	40.00	10.00	90.00
M. Sc. (Petro. Tech.)	52	00.00	42.30	38.46	15.38	96.15
M. Sc. (Zoology)	20	55.00	30.00	10.00	00.00	95.00
M. Sc. (Botany)	17	47.05	35.29	11.76	05.88	100.00
M. A. (English)	49	12.24	12.24	55.10	14.28	93.88
M. A. (Economics)	56	16.07	17.85	58.92	05.35	98.21
M. A. (Psychology)	18	38.88	33.33	11.11	11.11	94.44
M. A. / M. Sc. (Geography)	14	21.42	35.71	35.71	00.00	92.86
M. Sc. Tech. (Indus. Maths. with Comp. Appl.)	60	10.00	31.66	18.33	10.00	70.00
M. C. A.	14	00.00	14.28	21.42	21.42	57.14

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

- ❖ IQAC conducts regular meetings with the Heads of the Departments to discuss their teaching learning plan for the year at the beginning of the year and takes a review at the end of the year
- ❖ IQAC encourages the various departments of the college to periodically arrange syllabus revision workshops in collaboration with and with support from the University
- ❖ IQAC motivates faculty members to conduct Innovative teaching and learning processes like group discussions, class test, open book tests and seminars

2.13 Initiatives undertaken towards faculty development: **Refer Annexure VI**

<i>Faculty / Staff Development Programs</i>	<i>Number of faculty benefitted</i>
Refresher courses	05
UGC – Faculty Improvement Programs	08
HRD programs	--
Orientation programs	04
Faculty exchange program	--
Staff training conducted by the university	--
Staff training conducted by other institutions	--
Summer / Winter schools, Workshops, Seminars etc.	53 (01+29+23)
Others	--

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	28(Aided) and 51(Non Aided)	07 (Aided) and 58 (Non Aided)	06 (Aided) and 00 (Non Aided)	00 (Aided) and 14 (Non Aided)
Technical Staff	97 (Aided)	05 (Aided)	25 (Aided)	--

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 is been a prime objective of this institute over last few decades. The year 2014-15 is not an exception to this fact. Many faculties are currently engaged in the 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 benefited teachers but also many students from the institute have been benefited for their Ph. D. and project research work

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	03	01	--
Outlay in Rs. Lakhs	--	24.68	--	--

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	6	6	0	0
Outlay in Rs. Lakhs	4.53	5.48	0	0

3.4 Details on research publications

	International	National	Others
Peer Review Journals	46	06	00
Non-Peer Review Journals	00	00	00
e-Journals	00	00	00
Conference proceedings	06	06	00

3.5 Details on Impact factor of publications:

Author Names	Title of the Paper	Name of the Journal	ISSN / ISBN	Impact Factor
Gadekar S. S.	Fungal concentration and diversity at Pune	Indian Journal of Advances in Plant Research Vo. 1 (5)	2347-8918	---

Valvi S. R; Gadekar S. S. And Jadhav V. D.	Phytochemical assessment of five wild edible fruits.	International Journal of Life Sciences Vol. 2(2)	2320-7817 eISSN: 2320-964X	---
Gadekar S. S. And Valvi S. R	Fungal airspora in Wadia College campus	Indian Journal of Advances in Plant Research Vo. 1 (5)	2347-8918	---
Gadekar S. S.	Diversity of fungal spores over Jowar crop	International Journal of Life Sciences Vol. 2(2)	2320-7817 eISSN: 2320-964X	---
Gadekar S. S	Fungal diversity, their concentration and impact over Jowar crop at Pune, India	Acta Biologica Indica Vol. 3(1)	2319-1244 eISSN: 2279-0160	---
Valvi S. R; Gadekar S. S. Jadhav V. D. And D. P. Yesane	Assessment of bioactive compounds from five wild edible fruits, <i>Ficus racemosa</i> , <i>Elaegmus conferta</i> , <i>Grewia tilifolia</i> , <i>Scleichera oleosa</i> and <i>Antidesma ghasembilla</i>	Acta Biologica Indica Vol. 3(1)	2319-1244 eISSN: 2279-0160	---
Gadekar S. S	Qualitative and quantitative study of fungal airspora at Pune	<i>In Proc:</i> International Conference on “Environmental Issues and Sustainable Development” organized by Department of Zoology during 18 th to 20 th October 2014. at Ralegan Siddhi, Ahmednagar.	ISBN: 978-81- 930154-0-7	

Gadekar S. S; Valvi S. R. And Jadhav V. D.	Aeromycoflora of Wadia College Library	<i>In Proc:</i> National Conference on “Advancements in Plant Sciences for Sustainable Rural Developmwn” organized by C. T. Bora College, Shirur on 23 rd and 24 th September 2014.	ISBN: 978-1- 63415	---
Ahire S. V.	Association of VAM Fungi in some pulses from Pune District	<i>In Proc:</i> National Conference on “Innovative Ideas and Research in Life Science for Sustainable Development” organized by Department of Zoology, N. Wadia College, Pune on 16 th and 17 th January 2015.	ISBN: 978-81- 925586-6-0	----
N. Shubhanand, M.Agarwal, K. J.John, S. P. Sutar, S. R. Yadav, S. R.Rao and K. V. Bhat	Phylogenetic informativeness of plastid regions in inferring the species relationships among <i>Cucumis</i> species	Indian Journal of Genetics 75 (2)		0.194
P. Patil, S. Kumar Malik, S. Sutar, S. Yadav, J. John and K. V. Bhat	Taxonomic importance of seed macro-and micro- morphology in <i>Abelmoschus</i> (Malvaceae)	Nordic Journal of Botany	1756-1051	0.844

S. P. Sutar. K. J. John, S. R. Yadan and K. V. Bhat	<i>Cucumis hystrix</i> var. <i>mizoramensis</i> (Cucurbitaceae), a new variety from Mizoram, India	Rheedea Vol. 24(1)		Peer Reviewed
S. P. Sutar. S. R. Rao, K. V. Bhat and S. R. Yadan	Comparative anatomical studies in the Genus <i>Cucumis</i> L. (Cucurbitaceae) from India	<i>Phytomorphology</i> Vol. 64 (1 & 2)		Peer Reviewed
S. Deodhar (Sathe) , K. Pawar, N. Singh, R. J. Thengane and S. R. Thengane	Clonal Propagation of female plants of <i>Garcinia</i> <i>indica</i> Choiss: A tree species of high medicinal value	Journal of Applied Biology and Biotechnology Vol. 2(6)		Peer Reviewed
Z. P Nazaphabadi, I. A. Khan and A. Ghaziphard	Stastical Approach to ground water quality assessment: An example from Zarinshahr City, Central Iran	Gond. Geol. Mag. Vol 29(1 and 2) 2014	----	Non-peer
N. Movarraei, S. A. Boxwala	On the number of paths of length 5 in a graph	International Journal of Applied Mathematical Res. Vol 4(1) 2015		Peer Reviewed
N. Movarraei, S. A. Boxwala	On the number of paths of length 6 in a graph	International Journal of Applied Mathematical Res. Vol 4(2) 2015		Peer Reviewed
B. Vasant	Marital Adjustment of working and non-working women	Journal of Contemporary Psychological Research	ISSN: 2349-25642 Dec 2014	Peer Reviewed
S. Bankar	A Post Colonial Reading of E. M. Foster's a Passage to India	LangLit August 2014	ISSN: 2349-5189	Peer Reviewed
G. V. Pawar P.	Identification of aerosol	Atm. Res.	ISSN: 0169-8095	Peer-

C. S. Devara, G. R. Aher	types over an urban site based on air mass trajectory classification	Vol. 164-165		reviewed
S. R. Varpe, G. V. Pawar, G. C. Kutal, G. R. Aher	Investigation of dust event induced radiative and heating effects over different aernet sites	In Proc. IASTA-2014- BHU, Varanasi	--	--
G. V. Pawar, G. R. Aher, P. C. S. Devara, Pradeep Kumar	Seasonal heterogeneity in aerosol types over tropical urban observing site, Pune	In Proc. IASTA-2014- BHU, Varanasi	--	--
S. D. Shinde, S. K. Date, A. V. Deshmukh <i>et al</i>	Role of Al doping in structural, micro- structural, electrical, and optical characteristics of as-deposited and annealed ZnO thin films	RSC-Advances, Vol. 5	--	IF: 3.84
M. Bute Kant, S. D. Shinde, <i>et al</i>	Surface studies on benzophenon doped PDMS microstructures fabricated using KrF excimer laser direct write lithography	Applied Surface Science, Vol. 314	ISSN: 0169-4332	IF: 2.72
M. Bute Kant, S. D. Shinde, <i>et al</i>	Benzophenon doped PDMS: Self developable composite resist system for its use in a direct write laser lithography application	Journal Physics D: Applied Physics, Vol. 48	--	IF: 2.71
S. S. Warule, N. S. Chaudhary, <i>et al</i>	Decoration of CdS NPs on 3-D self-assembled ZnO NRs: A single-step process with enhanced Field Emission behaviour	Cryst. Eng. Comm., Vol. 17	--	IF: 4.03
R. Patil, H. Gholap, S.	Quantum dots conjugated ZnO NSs: Impeder of	Applied Surface	ISSN: 0169-4332	IF: 2.72

Warule, <i>et al</i>	microbial growth and biofilm	Science, Vol. 314		
S. Suryawanshi, S. Warule, <i>et al</i>	The Fowler-Nordheim behaviour and mechanism of Photo sensitive field from SnS ₂ NSs	AIP, Vol 5	--	--
Azam Mayabadi, B. B. Gabhale <i>et al</i>	Effect of calcinations on structural, morphological, and photo-electro-chemical performance of SnO ₂ /TiO ₂ nanostructured films	Thin Solid Films, Vol. 589	--	IF:1.867
Rita Mahajan, Rahul Mahire and Dhananjay More	Phytochemical screening of aqueous and ethanol extracts of some medicinal plants and in-vitro study of inhibition of alpha amylase	International journal of pharmacognosy	ISSN: 2348-3962	IF:1.78
P. K. Bhadane, S. P. Bhangale, and R. P. Bhadane	Development of embedded system based colorimeter for the analysis of Ni: An Algorithmic Approach	Inter. J. Comp. Sci. Engg. Info. Tech. Res. Vol. 4, Issue 3	ISSN: 2249-6831	IF: 6.87
R. P. Bhadane	Development of new technique for the continuous monitoring of Cl in drinking water	Int. J. Innovative Res. In Sci. Engg. And Tech. , Vol. 3, Issue 12	ISSN:2319-8753	IF: 5.44
S. L. Bonde, R. P. Bhadane, S. Walke, N. Gupta	Determination of vitamin C from formulated drug by HPLC and UV/Vis spectrophotometry techniques	Int. J of Analy. Pharma. Biomed. Sci.	ISSN: 2278-0246	IF: 0.35
S. L. Bonde, R. P. Bhadane, V. T. Dangat, T.	Rapid kinetics of chlorination of Regioisomers of nitrophenol by molecular	Int. J. Sci. Res. Vol. 3 Issue 10	ISSN: 2319-7064	IF: 3.35

N. Sukul	chlorine in aqueous medium using rotating Pt electrode			
Borkar V. T., S. L. Bonde, R. P. Bhadane, V. T. Dangat, and Y. Kirti	Kinetic assessment of rapid iodination of pyrrole in aqueous medium by molecular iodine using hydrodynamic voltammetry	Res. J. of Chem. Sci. Vol. 4(6)	ISSN: 2231-606X	Peer-reviewed
U. D. Kulkarni, Y. M. Nandurkar, R. R. Sangpal	Contributory geochemical factors for variation in ground water quality along confluence of Mula-Mutha and Bhima river, Dist. A'nagar, MH	Int. J. of Recent Trends in Sci. And Tech. Vol. 12(1)	--	Peer-reviewed
R. R. Sangpal, V. T. Dangat, V. T. Borkar, D. B. Vagare	A quantitative study of the iodination of riboflavin in aqueous medium by molecular iodine using hydrodynamic voltammetry	Int. J. of Sci. Engg. And Tech. Vol. 3 (5)	ISSN: 2348-4098	IF: 3.25
Y. M. Nandurkar	Causal factors for seasonal variations in water quality in part of Bhima basin, Maharashtra	<i>In Proc:</i> National Conference on "Innovative Ideas and Research in Life Science for Sustainable Development" organized by Department of Zoology, N. Wadia College, Pune on 16 th and 17 th January 2015.	ISBN: 978-81-925586-6-0	--
S. B. Kalaskar, B. B. Bahule, Y. M.	A novel one-pot synthesis of several 1(2,4 dinitrophenyl)-3 phenyl-	Int. J. of Sci. Res. Vol. 3(6)	ISSN: 2277-8179	IF: 2.30

Nandurkar	4methoxy carbonyl pyrazolidines via 1,3-dipolar cycloaddition approach			
N. Ranade and D. Gharpure	Estimating resolutions of EIT system by solving forward problems using EIDORS	International Journal of Multidisciplinary Research and Advances in Engineering Vol. 7(1)	ISSN: 0975-7074	--
N. Ranade and D. Gharpure	EIT Measurements: identifying salient features of data which lead to better image reconstruction using EIDORS	In proc: National Conference on Advances in electronics and its interdisciplinary applications	ISBN: 978-93-5174-783-3	--
N. Ranade and D. Gharpure	Design and development of instrumentation for acquiring electrical impedance tomography data	Physics and technology of sensors (ISPTS)	--	--
M. Musmade	Participatory Budgeting- Concept and practics	In Proc: international Conference on ongoing research in management and IT	ISBN: 978-93-84916-77-0	--
M. Musmade	“Sarvajanic Upkram: sthityantar ani navi disha”	“Parivartanacha Vatsaru” 16 th -31 st May 2015	ISSN: 2250-3145	--
S. A. More-Madhale and R. P. More	A Review of genetically Modified Crops by the use of Biotechnology in Maharashtra	International journal of management and Social Sciences Research	ISSN: 2319-4421	--

		Vol.3 (10) 2014		
P. K. Bhadane, S. V. Bambal	Measurement of complex permittivity of dielectrics and its applications	Int. J. of Innovative Res. in Sci, Engg. and Tech., Vol. 3 (6), 2014	ISSN: 2319-8753	Peer-reviewed
P. K. Bhadane, S. P. Bhangale, R. P. Bhadane	Development of embedded system based colorimeter for the analysis of Ni: An Algorithmic Approach	Int. J. of Comp. Sci. Engg. Vol. 4 (3), 2014	ISSN: 2249-7943	IF: 6.88
S. R. Chaudhary, S. P. Bhangale, P. K. Bhadane	Development of microcontroller based system for diagnosis of pH electrode	Int. J. of Innovative Res. in Sci, Engg. and Tech., Vol. 4 (8), 2015	ISSN: 2319-8753 and 2347-6710	IF: 5.44
S. L. Bonde, S. P. Bhangale, P. K. Bhadane	Investigation of some electronic properties of combined pH electrode	Int. J. of Engg. Res. and Tech.	ISSN: 2278-0181	IF: 1.76
V. T. Borkar, V. T. Dangat	Structure-reactivity correlation of Thiophene and Thiophene-2-sulfonic acid by investigation of rapid kinetics of Bromination in aqueous medium	Res. J. of Chem. Sci. Vol. 4(12), 2014	ISSN: 2231-606X	IF: 1.00
V. T. Borkar, V. T. Dangat, S. L. Bonde, R. P. Bhadane, K. Yadav	A kinetic assement of the rapid Iodination of Pyrrole in aqueous medium by molecular iodine using Hydrodynamic Voltammetry	Res. J. of Chem. Sci. Vol. 4(6), 2014	ISSN: 2231-606X	IF: 1.00
J. B. Bhore, V. T. Dangat, S. L. Bonde, V. T. Borkar	Rapid kinetics of Bromination of the regioisomers of Cresol in aqueous medium by the competition technique : A quantitative elucidation of	Int. Res. of Sci. and Engg. Vol. 2(4), 2014	ISSN: 2322-0015	IF: 1.50

	the reactivity of Cresols			
U. Khare, P. Thakur, N. Bhagat	Urban Sprawl: A GIS based temporal study of the impact of the IT parks in Pune	In Proc. 36 th Indian Geography Congress, Vol. 1, 2014	--	--
R. Khare, U. Khare	Assimilation of communities in to IT Nucleus: A case study of Rajiv Gandhi IT park, Pune	In Proc. 5 th ISPER and 2 nd APG International Seminar, 2014	--	--
U. Khare, D. Mukherji	Rural- Urban diversity and globalized landscape: Study of IT Park Nucleus, Hinjewadi, Pune	In Proc. 5 th ISPER and 2 nd APG International Seminar, 2014	--	--
M. Zarenistanak, A.G. Dhorde, R. Kriplani, A. A. Dhorde	Trends and projections of temperature, precipitation, and snow cover during snow cover-observed period over southwestern Iran	Theor. Appl. Climatol. Vol. 1(20), 2014	--	IF: 2.02
V. V. Chabukswar	ZnO NPs synthesis with controlled morphology by using natural biodegradable polymer and its application as catalyst for oxidation of Aldehydes	J. of Macromole. Sci, Part A: Pure and App. Chem. Vol. 51, 2014	--	IF: 0.98
V. V. Chabukswar	1-D CdS nanostructures: Heterogeneous catalyst for synthesis of Aryl 3, 3'-bis (indol-3y-l) methanes	RSC Advances, Vol. 4(54), 2014	--	IF: 3.84
S. Jadhav, D. Jaspal, V. V. Chabukswar	Synthesis and characterization of conducting poly-N-ethyl aniline doped with organic	J. of Chem. and Pharma. Res. Vol. 6(10), 2014	ISSN: 0975-7384	--

	acids			
V. V. Chabukswar	Synthesis and evolution of Analgesic, anti-asthmatic activity of (E)-1-(8-hydroxyquinolin-7-yl)-3-phenylprop-2-en-1 ones	Arab. J. of Chem., 2014	--	IF: 2.68
V. V. Chabukswar	Facile green route synthesis of Ag NPs using natural polymer and their anti-bacterial activity	Cellulose Chem. and Tech. Vol. 49(1), 2015	--	--
V. V. Chabukswar	Synthesis and characterization of conducting poly-N-ethyl aniline doped with organic acids	J. of Chem. and Pharma. Res. Vol. 6(10), 2014	ISSN: 0975-7384	--
V. V. Chabukswar	An efficient and regioselective bromination of aromatic amines and phenols using lanthanum (III) nitrate hexahydrate as a catalyst	European Chem. Bulletin Vol. 4(8), 2015	--	--
Arora M. S.	Use of Insect Growth Regulator Lufenuron as Wheat Grains Protectant against Red Flour Beetle <i>Tribolium castanum</i>	Int. J. of App. Bio. And Pharma. Tech. Vol. 6(1), 2014	ISSN: 0976-4550	--
R. M. Pawar and Arora M. S.	Physico-chemical analysis of Bhima River Water in Jurisdiction of Khed Tahsil, Pune, India	In Proc. National Conference "Innovative Ideas and Research in Life Sciences for Sustainable Development"	ISBN: 978-81-925586-6-0	--
S. B. Waghmare, M. S. Arora, A.	Computational, structural and functional analysis of short Neuropeptide F from	World J. of Pharma. Res. Vol. 3(10), 2014	ISSN: 2277-7015	IF: 5.99 ICV: 5.90

Sherkharne, V. Gomase	<i>Tribolium castanum</i>			
S. B. Waghamare, V. B. Sukugade, A. Sherkharne, R. Chavan, V. Gomase	Description of <i>Tylocephalum salunkhi</i> N. Sp. (Cestoda:		ISSN:--	
S. B. Waghamare, A. Buxi, Y. Nandurkar A. Shelke and R. Chavan,	In Silico sequence analysis, Homology Modelling and function annotation of Leishmanolysin from <i>Leishmania donowani</i>	J. Parasit. Dise. Vol. 2015	ISSN:--	
S. D. Kendre, S. G. Latpate	On some mixed integral inequalities and its applications	Theor. Maths. And Appl. Vol. 5-1, 2015	ISSN: 1792-9687	Peer- reviewed
S. D. Kendre, S. G. Latpate	On some non-integral inequalities and its applications	Int. J. of Maths. And Comput. Vol. 23-2, 2014	ISSN: 0974-570X	Peer- reviewed

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2012-2015 (Dr. G. R. Aher)	UGC	11,41,865/-	48,000/-
	2014-16 (Dr. V. V. Chabukswar)	ISRO	15,82,000/-	---
	2014-2017 (Dr. S. P. Sutar)	SERB-DST	17,00,000/-	06,00,000/-
Minor Projects	2013-2015 (Dr. F. I. Surve)	BCUD, SPPU	2,45,000/-	85,445/-
	2014-2016 (Dr. V. V. Chabukswar)	BCUD, SPPU	1,75,000/-	87,500/-
	2014-2016 (Dr. S. Pachkhande)	BCUD, SPPU	2,00,000/-	1,00,000/-
	2014-2016 (Dr. I. A. Khan)	BCUD, SPPU	1,80,000/-	90,000/-
	2014-2016 (Dr. S. Vadetwar)	BCUD, SPPU	1,65,000/-	82,500/-
	2014-2016 (Dr. N. D. Mundlik)	BCUD, SPPU	1,55,000/-	77,500/-
	2014-2016 (Dr. M. S. Arora)	BCUD, SPPU	2,20,000/-	1,10,000/-
	2013-2015 (Dr. N. V. Ranade)	BCUD, SPPU	2,25,000/-	78,750/-
	2013-2015 (Dr. S. V. Ahire)	BCUD, SPPU	2,10,000/-	73,500/-
	2013-2015 (Dr. S. C. Shirwaikar)	BCUD, SPPU	2,15,000/-	75,250/-
	2013-2015 (Dr. P. S. Ponde)	BCUD, SPPU	1,40,000/-	49,000/-
	2013-2015 (Dr. U. R. Khare)	BCUD, SPPU	2,60,000/-	91,000/-
	2013-2015 (Dr. R. P. Bhadane)	BCUD, SPPU	2,28,620/-	31,772/-
2015-2017 (Dr. S. G. Latpate)	BCUD, SPPU	1,50,000/-	1,05,000/-	
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students research projects	--	--	--	--

<i>(other than compulsory by the University)</i>				
Any other(Specify)	--	--	--	--
Total	--	--	--	--

3.7 No. of books published

i) With ISBN No.: 04 Chapters in Edited Books: **Refer Annexure VII**

ii) Without ISBN No.: 01

3.8 No. of University Departments receiving funds from: NA

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

3.9 For colleges

Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy: No

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	--	2	--	--	--
Sponsoring agencies	--	UGC	--	--	--

3.12 No. of faculty served as experts, chairpersons or resource persons: 10

3.13 No. of collaborations International: 03 National: 11 Any other: 01

3.14 No. of linkages created during this year: 09

3.15 Total budget for research for current year in Lakhs:

From Funding agency From Management of University/College
Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	0
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	0
	Granted	0

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
3	Dr. A. S. Limaye won Best paper award at International Conference held at BHU	00	00	00	Dr. K. S. Venkataraghavana received Shikshak Gaurav Prize by PMC Pune. He also received Ideal Teacher Award by Bharat Ratna M. Azad Social Education and Sports Association Pune	00

3.18 No. of faculty from the Institution who are Ph.D. Guides: 20
No. of Students registered under them: 25

3.19 No. of Ph.D. awarded by faculty from the Institution: 04

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 – 60, Navy - 32 State Level: Army – 35, Navy - 13

National Level: Army – 07, Navy- 02

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	00	State level	05
National level	06	International level	00

University Level: Army – 00, Navy - 00, Air- 00 State Level: Army – 01, Navy - 00, Air - 04

National Level: Army – 01, Navy - 05, Air - 00

3.25 No. of Extension activities organized*

University forum	05	College forum	19		
NCC	03	NSS	05	Any other	09

***For details, please refer to Annexure VIII.**

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	46	02	--	48
Laboratories	48	01		49
Seminar Halls	01	---	---	01
Important equipments purchased during the current year with value (Comp. Equipments)	Rs. 1,38,73,202/-	Rs. 15,62,927/-	Self Financing, UGC XII Plan & Project Funds, DRDO, BCUD	1,54,36,129/-
Value of the equipment purchased during the year (in Rs.)	1,41,13,072/-	8,93,776/-	Self Financing and DRDO, BCUD	1,50,06,848/-
Others (Furniture, Fixtures, Library Books) (in Rs.)	63,54,784/-	10,71,812	Self Financing	74,26,596/-
Assembly Hall	01			01
Green House	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 More than 25,000 books is so far entered through SOUL software.
- Since October 2013 the college office has started using 'Vridhi' 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	1,11,350	3,00,00,000/-	2500	7,62,374	1,13,850	
e-Books	--	--	--	--	--	--
Journals			22	40,199/- (yearly subscription)		
e-Journals	--	--	--	--	--	--
Digital Database	--	--	--	--	--	--
CD & Video	--	--	--	--	--	--
Others (specify)	--	--	20	14,450	--	--

- The college has two libraries, the Main Library and the Post Graduate Library.
- Many departments have their own departmental libraries.
- Books purchased through various projects like UGC, BCUD are added to departmental library.
- Books received as specimen copies/complimentary copies are added to the departmental library so they need not be purchased.
- 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	343	13	03	13	01	12 (Grant) + 07 (Non Grant)	286	05
Added	37	00	02	00	00	9 (Grant) + 6 (Non-grant)	20	02
Total	380	13	05	13	01	34	306	07

4.5 Computer, Internet access, training to teachers and students and any other programme for technology Upgradation (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	22, 72, 229/-
ii) Campus Infrastructure and facilities	55, 20, 846/-
iii) Equipments	26, 36, 957/-
iv) Others	76, 090/-
Total:	1, 05, 06, 122/-

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: **3456** (UG-G: 2817+ UG-NG: 639), PG: **1369** (PG-G* : 25 + PG-NG* : 1344), Ph. D.: **25**

* PG-G: Post Graduate-Grantable, PG-NG: Post Graduate-Non Grantable

(b) Number of students outside the state: 485 (G: 240 + NG: 245)

(c) Number of international students: 246 (G: 215 + NG: 31)

Men: 1708 (G) + 963 (NG)

Women: 1138 (G) + 1045 (NG)

Number	%
1682	55

Number	%
1136	45

Year	Last Year (2013-2014)						This Year (2014-2015)					
	General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
Grant	2162	346	116	169	72	2865	1730	479	130	246	54	2639
Non-Grant	1416	188	13	262	--	1879	1375	240	31	225	05	1876

Demand ratio:

No. of Applications Received for the year (2014-2015)

Sr. No.	Course Name	Capacity	No. of Applications Received	Demand ratio
	UG			
1	F. Y. B. Sc.	480	741	1:1.54
2	F.Y.B.A.	600	765	1:1.2
3	F. Y. B. Sc. Computer Science	160	713	1:4.45
4	F. Y. B. Sc. Biotechnology	45	97	1:2.16
	PG			
1	M. Sc. Electronics	24	48	1:2
2	M. Sc. Physics	24	207	1:8.62
3	M. Sc. Petroleum Technology (Applied)	48	87	1:1.81
4	M. Sc. Geography	24	47	1:1.95
5	M. Sc. Chemistry	168	375	1:2.23
6	M. Sc. Zoology	24	77	1:3.20
7	M. Sc. Botany	24	41	1:1.70
8	M. Sc. Computer Science	60	560	1:9.33
09	M. Tech (Industrial Mathematics with Computer Applications	30	399	1:13.3
10	M. A. English	60	90	1:1.5
11	M. A. Economics	60	110	1:1.83
12	M. A. Psychology	24	92	1:3.83

Dropout Percentage:

Grant courses				
Sr. No.	Class	Total No. Of students	No. Of students who took LC with the remark fail on it	Dropout %
01	F.Y.B.A.	636	10	1.57%
02	F. Y. B. Sc.	536	25	4.66%
03	S.Y.B.A.	543	00	0.00%
04	S. Y. B.Sc.	341	01	0.29%
05	T.Y.B.A.	433	00	0.00%
06	T. Y. B. Sc.	306	00	0.00%
Non-Grant Courses				
	UG			
01	F. Y. B. Sc. (Comp. Sci.)	189	08	4.23%
	PG			
01	M. Sc. Chemistry	241	03	1.24%
02	M. Sc. Physics	45	01	2.22%
03	M. Sc. Botany	36	01	2.77%
04	M. A. English	105	03	2.85%
05	M. A. Economics	117	01	0.85%

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: 614

5.5 No. of students qualified in these examinations:

NET SET/SLET GATE CAT
IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

- The Disha Counseling Centre handled various cases under the counselor, Ms. Manasi Shah. Students showing an unusual behavioral pattern – remaining absent, misbehaving in class are asked to see the counselor
-
- There was a cultural event called ‘Colors of Asia’ organized jointly by the Arts Circle and Foreign Students Forum. On this occasion Prof. Y. Mane, guided the students on FSCC helpline and how it would help foreign students after their arrival in Pune.
- TechQriosity is a unique intercollegiate event organized every year for post graduate students by the Department of Computer Science. This event consists of a series of seminars on technical subjects as well as discussions on career opportunities for the students. Experts from industries like **Symantec, Clarice, PSPL, Harbinger** and many other software companies are invited to share their experiences, make the students aware of what is relevant from the industry point of view, the upcoming technologies and what sort of projects they could undertake. This activity helps students immensely to know and understand the industry requirements and environment beforehand and they can therefore prepare for their future careers accordingly. 180 students participated in TechQriosity this year.
- Mentoring activity – every faculty member interacts closely with a few students throughout the year mentoring them. Technical experts are invited to mentor student projects by providing inputs on new technologies and methodologies.
- Projects at UG & PG level inculcate the habit of independent thought, teamwork and facing a challenge
- Wall magazines like ‘Zaroka’ bring about awareness regarding latest technological developments.

5.7 Details of campus placement

	<i>On campus</i>		<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
55	414	123	28

5.8 Details of gender sensitization program: --

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level: 52 National level: 05 International level: 01

No. of students participated in cultural events: 02

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

Sports: State/ University level: 19 National level: 01 International level: 01

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

5.10 Scholarships and Financial Support

Nature of Financial Support	Number of students	Amount in Rs.
Financial support from institution	48(G)	79,759/-
Financial support from government	279(G)	8,55,079/-
	296(NG)	56,19,088/-
Financial support from other sources (R. M. Dhariwal Foundation Scholarship)	02 (NG)	15,000/-
Number of students who received International/ National recognitions	38(G)	91,621/-
	17(NG)	11,47,155/-

5.11 Student organised / initiatives

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

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

*Post Graduate students of the Department of Computer Science organize **TechQriosity** annually. All Students co-ordinate and carry out following tasks:

- Event related information launching through web site for registration
- Sending invitations to students from other colleges
- Getting sponsors and selection of experts to initiating the panel discussion and related matters.

This year the event **TechQriosity-2015** was sponsored by Omniscient Systems, Harbinger Systems, and Ajay Kakade (Alumni) from Fiserve, sponsored the event that was held on 20th and 21st January 2015. Over 28 inter-college teams and 112 students participated in this event this year.

5.12 No. of social initiatives undertaken by the students:

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

- 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
- 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.

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

- Computerized admission process.
- Process of supervision duties
- Examination/result process.

The Softwares make it possible to obtained 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 in the University of Pune. Dr. R. R. Sakhare, Librarian, has been nominated Member, Board of Studies, University of Pune in Library and Information Sciences. Many teachers are engaged in examination duties like paper setters, moderators, etc for the exams conducted by Savitribai Phule Pune University.
- Teachers are encouraged to participate in Syllabi restructuring in workshops conducted by the SPPU. Faculty members of the department are actively involved in planning and execution of the syllabi. Department of Botany conducted a workshop on “A One day workshop on New Practical Syllabus S. Y. B. Sc. w. e. f. 2014’.

- Heads of Departments evaluate academic activities of their Departments and guide staff accordingly.
- Various apps related to Taxonomy and morphology have been prepared with the help of Computer Science students and implemented in Botany Department. e. g. Plantaroid, etc. Modern electronic devices such as Mobile phone, laptop was included in the curriculum of Vocational Electronic Equipment and Maintenance course.

6.3.2 Teaching and Learning

- Local Managing Committee, Vigilance 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 or share it through modern apps are better and convenient ways of sharing notes with the students.
- Effective teaching is done by adopting several innovative tools like educational clips downloaded through YouTube, PowerPoint Presentations, open source software, films etc. for clarifying difficult concepts.
- Class room attendance is taken with student signature daily and a list of defaulters is put up at regular intervals.
- 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.
- PG students' visit renowned Institutes like NCL, CMET, IISER Pune, IITM and IUCCA regularly and thus the college has established regular contact with these. The students are thereby exposed to a high level of research methodology and use of recent, sophisticated instruments with best 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 and Botany Department have introduced the idea of Hobby projects for students to spark their interest and student are getting benefit out of it.

6.3.3 Examination and Evaluation

- The Senior College Examination Committee looks after all aspects of the Examinations including all activities like time-tables, paper patterns for internals, evaluation, etc.
- 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 examinations.
- Examination Module of 'Vridhhi' software is used which is approved by the Savitribai Phule Pune University.
- 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 SPPU for the first time in 2013-14 for PG students and it was continued this year. At least five tests are conducted for every course. They may be in the form of surprise test, open-book test, regular tests, home assignments, seminars etc. The students are given a fair chance to earn the 50 marks in Internals as part of continuous evaluation. Our faculty members have taken pains 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. The 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 Savitribai Phule Pune University.

6.3.4 Research and Development

- More than 20 of our faculty members are recognised Ph. D. and M. Phil guides in Savitribai Phule Pune University and other Universities and they are actively involved in guiding students as well as faculty in their research work. Several Departments of the college like Chemistry, Physics, Geography and Geology have recognised 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 Economics and 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. M. Sc. Students undertake projects and reading and review of five research papers is a part of their curriculum.
- To encourage students for innovation in Science & Technology and for improvement in their research and development skills, Dr. V. V. Chabukswar , Mrs. S. B. Deokar and Ms. Kshitija Mutalik of the Department. Of Biotechnology, Dr. S. S. Gadekar, Dr. S. V. Ahire and Dr. K. S. Bhosale from Department of Botany, 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 adequate 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 text as well as reference books, journals, periodicals, 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 chemicals, glasswares, equipment etc. required by their department. Hence, 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.
- Most of the PG lectures are conducted using Power Point presentations and educational clips.
- 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 or by sharing the notes through different apps.
- 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.
- 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) Several Free Software are 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, BLAST, 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 enable 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

- Since the Modern Education Society is a Teacher Managed Society, the Staff can openly express their views, put forth their difficulties and get their problems resolved soon in the frequent sessions which take place between the Management and the Staff.
- 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.
- 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 one of the largest departments 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 maintained. This helps in smooth day to day working of the departments.
- Heads 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 good Power Point presentations and notes takes place between staff members.
- When new faculty members join a department, the senior staff members discuss assignments, laboratory experiments, explanations with them and ensure that students get correct and sufficient guidance regarding newly introduced concepts and technologies in the syllabus. Similarly the Power Point presentations for different subjects prepared by senior staff members are circulated amongst other staff members to ensure knowledge transfer.
- Coordinators for- Arts Circle, Students' Welfare, NSS, NCC, Anti-Ragging Cell, Mahatma Phule Adhyasan, Placement Cell, Samata Mandal, Women's Cell, Staff Academy, Examination Committee, Vigilance Committee, Gymkhana Committee, Discipline Committee, UGC Committee, Admissions Committee ensure smooth functioning of the college.
- To encourage and appreciate the good work done by the teachers, felicitation of teachers for excellence in work at the time of Scholar's Day and Gymkhana Day is carried out. Dr. M. V. Gokhale award and the Platinum Jubilee award have been specifically instituted for this purpose.

6.3.7 Faculty and Staff recruitment

- Modern Education Society carries out the actual Recruitment of Faculty and of Administration and Support Staff depending on the workload and availability of posts.
- Proper Selection procedures are in place for recruitment. Merit and reservation policies are strictly followed by the concern.
- 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. Interview skills are discussed with the students.
- 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 on excursions to various Industries 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. Department of Botany used to visit Agriculture College for seed technology practices, Polyhouse technology, Breeding stations, etc.
- Industry professionals are included as judges for different Inter-collegiate competitions like BOTANICA, by Department of Botany and Zoology.
- Industry experts are invited for guest lectures, seminars, workshops, etc
- Interaction is carried out with industries such as Avon, Kumar Biotech, Sai biotech, Cipla Jubilant chemicals and U. S. Vitamins.

6.3.9 Admission of Students

- Admission committee looks after the entire process and admission of students is done entirely based on Merit and reservation criteria with complete transparency.
- 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 done 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.
 - A) Short term i.e. emergency loan of Rs. 25,000/-
 - B) Long term loan of up to Rs. 10, 00,000/- @ 10.50% interestThe 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 Gymnasium is made available for Staff with Badminton court and table-tennis equipments.
- 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.
- The non teaching staffs working in various laboratories are given adequate training in Laboratory and Equipment Maintenance to ensure safety of one and all concerned.

Students:

- The college runs 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 7 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.
 - c) 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 Local and Lok-Sabha elections.
- Free of charge Gymnasium is made available for students.
- Free of charge Dispensary on the campus is made available for students.

6.5 Total corpus fund generated: Nil

6.6 Whether annual financial audit has been done: Yes

6.7 Whether Academic and Administrative Audit (AAA) has 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? N. A.

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 at least 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 Facebook.
- Alumni counsel the current students and provide them placement information through talks.
- Number of alumni has sponsored prizes for meritorious students and economically backward students. These prizes are presented to concern students during the Scholars' Day and Gymkhana Day Prize Distributions functions.
- 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 and the Wadian Alumni Association.
- Organizes and sponsors inter-collegiate cricket, inter district ball badminton, hand ball games.
- Give talks at the NSS Camps. Especially, Inter Collegiate Cricket Tournament was organised by Wadians' Alumni Association.
- Alumni meetings of the Department of Zoology, Geology (Petroleum Technology), Computer Science and Physical Education take place in the respective departments annually.
- Some prominent sportspersons who are alumni provide coaching in sports to the students.
- Provide feedback to start different courses or modifications required in the current 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 81st year celebrations 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 MS-CIT 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

- Wadia campus, which is already lush green and beautiful, yet, necessary tree plantation is carried out to increase the green cover further
- Rain Water Harvesting has been done on campus and except for drinking water which comes from the Corporation, it takes care of the water needs of all colleges on 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
- 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 students' reports, the heads of the departments have proposed to take remedial actions necessary for improvement.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- 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 105730. Students from 3533 schools in Maharashtra, Goa and Karnataka appeared for the MTS Examination at 685 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 20th 2014, the prizes for the previous year were given. Rs. 30 Lakh were awarded as prizes to 11811 students. Prizes for the current years MTS Examination will be given in the next academic year.

- 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 the 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.

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 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*, *Juniperous communis* etc. Our campus has in all 9 genera of the 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 soil. Awareness regarding the same 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 Savitribai Phule Pune University. The Laboratory has now

diversified to conduct Research in Building Acoustics and NoiseControl 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 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 :
 - 1) Elocution Competition: An Elocution Competition was conducted in the college on Monday on 27th Sept. 2014 in which 21 students of Junior, Senior and PG classes participated.
 - 2) An Extempore Speech Competition was conducted in the college on 7th Jan 2015.
 - 3) The college conducted the prestigious Annual Inter collegiate H. H. The Raja of Sangli's Gokhale Cup Elocution Competition on 21st Jan 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 runs 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.

8 Plans of institution for next year

a) Infrastructure Development

- Plan to develop smart classrooms on sharing basis with various departments.
- Develop better sanitary facilities and drainage systems in the campus.
- Create ramps for handicapped students.
- Old computers and their configurations will be upgraded to recent configuration.
- Create more browsing centers and more wifi hot spots for the students and for staff.

b) Academics

- Encourage the students to undertake choice based projects both at UG and PG level.
- Support Interdisciplinary Projects and Research.
- One day Seminars by the Zoology and Biotechnology departments.
- To organize Guest Lectures by eminent scientists by various departments.
- Department of Botany to start 'Nature Club' to promote environment related activities.
- Department of Botany used o give printed journals and study material regarding protocols and diagrams.
- The Zoology Department to give e-books in CD's to M. Sc students.

c) Extra-curricular and Co-curricular

- To continue with an aim to better the 'Botany Information Corner' started this year by Department of Botany. It's about innovations, current research and news about plants and their utilization.
- To undertake various activities under 'Zoo-club' by the Department of Zoology.
- English Department to organize Street play regarding social awareness.
- Department of Politics to aware the students and common people about voting ahead of Municipal Voting.
- Organization of Gokhale cup, Sethi Trophy. (Year wise activity).
- Geography and Geology department to undertake various environmental activities in college campus along with students of S. Y. B. A. / B. Sc./ Comp. Sci. / Biotechnology.

d) Sports Activities

- Physical Education Department to organise Pune University Intercollegiate Cricket competition.
- To organize various events for college students in the form of intra-collegiate competitions.

e) Environment Related

- Carry out Energy and Environment Audits.
- To use efficient ways in energy utilization within departments.
- To apply effective use of eco-friendly ways in inter-departmental communication.
- Zoology department to renew census of different bird species in Wadia College campus.
- Botany and Zoology department to undertake a project on bird and plant relationships.

f) Alumni

- Meetings of Alumni for betterment of College as well as involvement of more members.

- More alumni of the college would be encouraged to associate with their alma-mater at different levels.
- Organization of social activities like ‘Blood Donation Camp’

g) Social Initiatives and Extension Activities

- Apart from various activities done by the NSS, the college to take up a few more through tie ups with Lions Club, Rotary Club and other NGOs.

ANNEXURE

Annexure I

Ph. D. Programmes (The number of Ph. D. Programmes shown here is indicative of the number of recognized research centres in the college. There are however recognized research guides in 08 departments in all)

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

** The following departments have recognized research guides:

1. Botany (Dr. S. S. Gadekar)
2. Computer Science (Dr. S. C. Shirwaikar)
3. Mathematics (Dr. S. A. Boxwala)
4. Zoology (Dr. V. Rambal, Dr. U. A. Ashtekar)

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. Sc. Geography
14. M. A. Geography
15. M. A. Psychology
16. M. A. Economics

17. M. A. English

Annexure – III

Under Graduate Courses

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 U.G. 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 U.G. Programmes)

- 1) Geography
- 2) Industrial Chemistry
- 3) Electronics Equipment Maintenance

U.G. Courses (Self Financing Courses) :

2. B. Sc. Computer Science
3. B. Sc. Biotechnology

B. Sc. Vocational

1. Electronics Equipment Maintenance
2. Industrial Chemistry

Annexure IV

Interdisciplinary Courses:

M. Tech (Industrial Mathematics with Computer Applications)

This is one of the unique job oriented courses designed especially for mathematics students. This course, which is equivalent to M. Sc. Mathematics and M. C. A., spans over 3 year semester wise course. The job openings for these students are as a teacher in Mathematics, Computer Science as well as in IT industries. These students have a sound knowledge of Programming backed with a firm base of Mathematics which makes them better programmers. The 6th Semester is dedicated to Project work where the students take up Industrial Training and Projects in various Industries. Students who are keen on teaching as a career are encouraged to take up research projects.

Annexure V

Faculty Participation in Conferences / Seminars and Symposia (2.5)

Department of Botany

- Dr. S. S. Gadekar participated in International Conference on “Biosciences: State-of-The-Art Advancements” organized by Society for Educational and Scientific research (SESR) at Lakesong Resort, Kumarakom, Kerala during 11th and 12th September 2014.
- Dr. S. S. Gadekar worked as a Resource Person in UGC Sponsored National Seminar on “Role of Life Forms in Controlling Pollution” organized by Department of Botany, Dayanand Science College, Latur during 8th and 9th August 2014.
- Dr. S. S. Gadekar participated and presented a paper entitled “Ethno-botanical Proximate, Phytochemical and antioxidant analysis of *Cordia dichomata* fruit” in the UGC sponsored National Conference on Life Sciences: An outlook and challenges” organized by Department of Botany and Zoology on 12th and 13th September 2014.
- Dr. S. S. Gadekar attended UGC sponsored National Conference on “Advancements in Plant Sciences for Sustainable Rural Development” organized by C. T. Bora College, Shirur on 23rd and 24th September 2014.
- Dr. S. S. Gadekar participated in UGC sponsored International Conference on “Environmental Issues and Sustainable Development” organized by Department of Zoology during 18th to 20th October 2014 at Ralegan Siddhi, Ahmednagar.

- Dr. S. V. Ahire participated and presented oral presentation in the 7th International Congress of Environmental Research organized by R. V. College of Engineering, Bangalore in association with journal of Environmental Research and Development, Bhopal from 26th to 28th December 2014.
- Dr. S. V. Ahire participated and presented oral presentation on “ Association of VAM Fungi in some pulses from Pune District” in the UGC sponsored National Conference on “Innovative Ideas and Research in Life Science for Sustainable Development” organized by Department of Zoology, N. Wadia College, Pune on 16th and 17th January 2015.
- Dr. A. S. Limaye participated and presented a paper entitled “ Production of micronutrient chelate using fruit peel extract and studies on its Bioefficacy on Tomato” in the International Conference on “Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture” organized by Institute of Agricultural Sciences and Mahima Research Foundation, BHU on 15th and 16th November 2014. The Conference was funded by ICAR, DST, MOES, ICMR and DBT. (Best Paper Award)

Department of Chemistry

- Dr. R. R. Sangpal attended and presented a paper in National Conference on “Ground water management and assessment in Deccan basaltic terrain” held at Devgiri College, A[’]bad on 3rd and 4th January 2015
- Mr. Y. M. Nandurkar attended and presented a paper entitled “ A study of ground water quality on the basis of seasonal variations in physic-chemical parameters of upper part of Bhima basin, Dist. Pune, Maharashtra” in National Conference on “Climate change: Past, Present and Future” organized by Department of Geology, Poona College on 12th and 13th January 2015.
- Dr. V. V. Chabukswar participated, presented a paper, delivered an invited talk entitled “Photo-chemically assisted green route synthesis and characterization of magnetic NPs” at National Seminar on “Prospects and Opportunities in Chemical Sciences”, BJS, during 29th to 30th January 2015
- Dr. V. V. Chabukswar participated and presented a poster entitled “Eco-friendly synthesis of magnetic NPs and their characterizations” in 17th CRSI National Symposium in Chemistry held at CSIR-National Chemical Laboratory (CSIR-NCL), during March 2015
- Dr. V. V. Chabukswar participated in the National Conference on Advances in Chemical Sciences with special reference to molecular spectroscopy, materials science, and organic electronics (NCACS-2014) at Fergusson College, Pune during 18th and 19th December 2014.
- Dr. V. V. Chabukswar participated and delivered invited lecture at State level Seminar on “Fresh water eco-system of Maharashtra” held at Department of Zoology, Modern College, Pune during 6th and 7th February 2015
- Dr. V. V. Chabukswar participated and delivered invited lecture at International Symposium on “Physics and Technology of Sensors (ISPTS-2)” held at Pune during 8th to 10th March 2015
- Dr. V. V. Chabukswar participated and delivered invited lecture at National Conference on “Recent trends in drug development “ at Department of Chemistry, SPPU, Pune during 12th to 14th March 2015
- Dr. V. V. Chabukswar participated and delivered invited lecture at International Conference “Kathmandu Symposium on Advanced Materials (KASAM)” held at Kathmandu, Nepal during 7th to 10th September 2014

- Dr. V. V. Chabukswar participated and delivered invited lecture at National Symposium on “Functional Applications of Colorants (NSFAC)” at Matunga, Mumbai during 16th and 17th October 2014
- Dr. V. V. Chabukswar participated and delivered invited lecture at International Photovoltaic Solar Energy Conference (SOLAR)” held at SPPU, Pune during 30th July to 01st August 2015

Department of Hindi

- Miss. K. Pardeshi attended a one day Seminar on ‘*Rashtriya Rajbhasha Sammelan*’ organized by Bank Nagar Rajbhasha, Pune sponsored by Bank of Maharashtra on 4th March 2015.
- Miss. K. Pardeshi attended UGC sponsored National Conference on “*Hindi Ka Kaljayi Kahani Sahitya*” organized by Mamasahab Mohol College, Pune on 18th and 19th March 2015.
- Miss. K. Pardeshi attended National Conference on “*Hindi ka Prawasi Sahitya*” organized by Department of Hindi, Savitribai Phule Pune University on 16th and 17th March 2015.

Department of Biotechnology

- S. B. Deokar has participated in a one day workshop on “Cancer Biology” held at Indian Institute of Science, Education and Research (IISER) on 23rd August 2014.
- S. B. Deokar attended and presented a paper the International Conference on “Application of Advanced Technology for Enhancing Quality of Science Education” organized by Modern College of Arts, Science and Commerce, Pune held on 26th and 27th February 2015 under QIP, SPPU, Pune
- P. Jadhav attended and presented a paper in the International Conference on “Application of Advanced Technology for Enhancing Quality of Science Education” organized by Modern College of Arts, Science and Commerce, Pune held on 26th and 27th February 2015 under QIP, SPPU, Pune

Department of Philosophy

- Mr. M. Narwade has attended and Presented a paper entitled “*Bharatiya Darshan aur Sanskritik Dahashvad*” two day National Conference at Shree Mata Vaishnodevi Vishwavidyalaya on 3rd to 5th June 2015.
- Mr. M. Narwade has attended a one day Seminar on ‘Aesthetics’ organized by Department of Philosophy, S. P. College, Pune
- Mr. M. Narwade has attended a one day Pune Intercollegiate Philosophy Conference on “Science, Technology and Values” organized by Faculty of Philosophy, Jnana –Deepa Vidyapeeth, Pune on 6th February 2015.

Department of Geology

- Dr. I. A. Khan attended a one day Workshop on Revision of T. Y. B. Sc. (Geology) Syllabus organized by Department of Geology, Fergusson College on 27th, 28th and 29th November 2014.
- Dr. I. A. Khan attended a National Conference on “Climate change: Past, Present and Future” organized by Department of Geology, Poona College on 12th and 13th January 2015.

- Mrs. Geeta Pillai attended a one day Workshop on Revision of T. Y. B. Sc. (Geology) Syllabus organized by Department of Geology, Fergusson College on 27th, 28th and 29th November 2014.
- Mrs. Geeta Pillai attended National Conference on “Climate change: Past, Present and Future” organized by Department of Geology, Poona College on 12th and 13th January 2015.
- Mr. K. Kumbhar attended a one day Workshop on Revision of T. Y. B. Sc. (Geology) Syllabus organized by Department of Geology, Fergusson College on 27th, 28th and 29th November 2014.
- Mr. K. Kumbhar attended a National Conference on “Climate change: Past, Present and Future” organized by Department of Geology, Poona College on 12th and 13th January 2015.

Department of Mathematics

- Dr. S. A. Boxwala participated in “Young Woman and Mathematics Symposium” during 25th to 27th July 2014 at IISER, Pune
- Dr. S. A. Boxwala participated and presented a paper entitled “The L(2,1)-Labelling of total graphs of a path and a circuit” in 8th International Workshop on “Graph Labellings” during 3rd to 6th December 2014.
- Dr. Vikas Jadhav participated in 29th Annual Conference of “Ramanujan Mathematical Society 2014” during 23rd June to 27th June 2014 at IISER, Pune
- Dr. Vikas Jadhav participated in “Topology and geometry of surfaces: A Symposium of Ramanujan Mathematical Society” during 30th June to 7th July 2014 at IISER, Pune
- Dr. Vikas Jadhav participated in International Conference on “Algebraic Number Theory and Modular Forms” at SPPU on 2nd and 3rd January 2015.
- Dr. Vikas Jadhav participated in Workshop on “Differential Geometry” held at Department of Mathematics, SPPU, during 8th to 13th September 2014.
- Dr. S. G. Latpate participated in “T. Y. B. Sc. Syllabus Revision Workshop held at Fergusson College, Pune on 7th February 2015.
- Dr. S. G. Latpate participated in 29th Annual Conference of “Ramanujan Mathematical Society 2014” during 23rd June to 27th June 2014 at IISER, Pune
- Dr. S. G. Latpate presented a paper entitled “Applications of Gronuiall’s inequality” at National Conference on Recent Trends in Science and Engineering during 12th and 13th December 2014 organized by Dr. D. Y. Patil School of Engineering and Technology.
- Dr. S. G. Latpate presented a paper entitled “Applications of Bellman’s inequality” during 20th and 21st February 2015 at National Conference on Role of Mathematics in Science, Engineering and Technology” held at New Arts, Commerce and Science College, Ahmednagar.
- Dr. A. S. Phadke participated in International Conference on “Algebraic Number Theory and Modular Forms” at SPPU on 2nd and 3rd January 2015.
- Dr. A. S. Phadke participated and worked as Resource Person at One day workshop on “Detailing the syllabus Structure and Syllabus for M. Tech (Industrial Mathematics with Computer Applications)” conducted by Department of Mathematics, Fergusson College, Pune on 11th March 2015.
- Dr. A. S. Phadke participated and presented poster in “Young Woman and Mathematics Symposium” during 25th to 27th July 2014 at IISER, Pune

Department of Psychology

- Mrs. S. Palsetia participated and presented a paper in a UGC sponsored International Conference on “Enriching employee Engagement in Organization: Role of Psychology” held at University of Madras, Chennai during 30th January to 1st February 2015.

Department of English

- Mr. J. Salve participated and presented a paper entitled “Post 9/11 in Chitra Banerjee Divakaruni’s Novel Oleander Girl Exile” in National Conference on “Rethinking Dispora” held on 20th and 21st January 2015 at Department of English, A. Garware College, Pune
- Mr. J. Salve participated and presented a paper entitled “Theme of Marginality in Shobha De’s Short Story Elevator” at International Conference on “Marginalization and Indian English Literature” held on 13th and 14th February 2015 at Baharti Vidyapeeth’s Y. M. College, Pune
- Mr. J. Salve participated and presented a paper entitled “Multiculturalism and Feminist perspective in the movie Queen” held on 26th and 27th March 2015 at National Conference on “Cultural Studies: Explorations in to the forms of power” at Department of English, N. Wadia College, Pune
- Mr. J. Salve participated and presented a paper entitled “Race Gender and Class in Chitra Banerjee Divakaruni’s Novel Oleander Girl” Organized b C. T. Bora College, Shirur, Pune on 11th and 12th February 2015.
- Mr. J. Salve participated and presented a paper entitled “Psychological Explorations of Women in Chitra Banerjee Divakaruni’s Novel Oleander Girl” at National Seminar on “Psychological Explorations of Indian Women in Novels of Indian Women Novelists” held at R. S. Arts Commerce College, Rukadi, Kolhapur on 30th and 31st January 2015.

Department of Physics

- Mr. S. G. Jamdade participated and presented a paper in International Conference on “Green technology for Environmental Pollution Prevention and Control” organized by National Institute of Technology, Tiruchirapalli, Tamilnadu on 27th to 29th September 2014
- Dr. S. S. Warule participated and presented a paper in 2nd International Symposium on Physics and Technology of Sensors held from 8th to 10th March 2015 at SPPU, Pune
- Dr. S. S. Warule participated and presented a paper in a state level Conference on Nanotechnology and Advanced Functional Materials on 12th and 13th December 2014 held by C. T. Bora College, Shirur, Pune
- Dr. S. S. Warule participated in Indo-Japan Workshop on sensing mechanics materials and applications organized by C-MET, Pune on 7th March 2015

Department of Politics

- Mr. Anil Madhale participated in a one day workshop on “Restructuring of T. Y. B. A. Syllabus for Politics and public Administration” Department of politics, S. M. Joshi College and BCUD, SPPU on 12th March 2015.

- Mr. Sachin Sanap participated in a one day workshop on “Restructuring of T. Y. B. A. Syllabus for Politics and public Administration” Department of politics, S. M. Joshi College and BCUD, SPPU on 12th March 2015.

Department of Computer Science

- Mrs. N. V. Ranade participated and published a paper entitled “EIT Measurements: identifying salient features of data which lead to better image reconstruction using EIDORS” at National Conference on “Advances in electronics and its interdisciplinary applications” organized by Department of Electronics, Fergusson College, Pune on 19th and 20th September 2014.
- Mrs. N. V. Ranade participated and published a paper entitled “Design and development of instrumentation for acquiring electrical impedance tomography data” at 2nd International Symposium on Physics and technology of Sensors, ISPTS at SPPU from 8th March to 10th March 2015.
- Mrs. N. V. Ranade participated in the workshop on “Implementation of S. Y. B. Sc. (CS) Electronics syllabus organized at St. Meera’s College for girls on 27th June 2014.
- Mrs. N. V. Ranade participated and presented a poster entitled “Development of set-up for measurement and acquisition of electrical impedance tomography data” at Regional research Conference “Innovation” organized by SPPU at Fergusson College on 17th June 2015.
- Mrs. Vandana Babrekar participated in one day workshop on “Restructuring of T. Y. B. Sc. Computer Science Syllabus” organized by Department of Computer science, H. V. Desai College and BCUD, SPPU, Pune on 27th February 2015.
- Mrs. Pradnya Nandedkar participated in one day workshop on “Restructuring of T. Y. B. Sc. Computer Science Syllabus” organized by Department of Computer science, H. V. Desai College and BCUD, SPPU, Pune on 27th February 2015.

Department of Economics

- Mr. G. Dhavade attended a one day workshop on “Improving Teaching Sills” organized by Tikaram Jagannath Arts , Commerce and Science College, Khadki under UGC scheme on 6th August 2014.
- Mr. G. Dhavade participated and presented a paper entitled “To check the sustainability of villages: A case study of Vadgaon (Ghenand) village in Khed Tehsil of Pune District” at National Conference on “Changing Trends in Development of Indian Economy” organized by Department of Economics, D. G. Tatkare College, Raigad on 11th September 2014.
- Mr. G. Dhavade attended 97th Annual Conference of “The Indian Economic Association” held at Mohanlal Sukhadia University, Udaipur during 27th to 29th December 2014.
- Mrs. Iramani Kalita participated and presented a paper entitled “A Study on Unemployment and Inflation in India relating to Philips Curve during the period 1983-2012” at national Seminar on “Monetary Policy in the Present Context in India” organized by Department of Economics, Poona College on 6th and 7th February 2015.
- Mr. Vinayak Pawar participated at National Conference on “Changing Trends in Development of Indian Economy” organized by Department of Economics, D. G. Tatkare College, Raigad on 11th September 2014.

- Mrs. Sonali More-Madhale participated and presented a paper entitled “A study of Technological Development in Banking Sector in Pune in 21st Century” at the INCON X -2015 an International Conference on Ongoing Research in Management and IT on 10th and 11th January 2015.
- Mrs. Sonali More-Madhale attended International Conference on “Regional trade Agreements, Preferential Trade Agreements and Indian Trade Policy” organized by Department of Economics, Fergusson College and BCUD, SPPU during 11th to 13th February 2015.
- Mrs. Sonali More-Madhale participated and presented a paper entitled “Role of FDI in Retail sector in India” at Late Prin. Dr. B. S. Bhanage Memorial National Seminar on “Emerging Issues in Commerce & Economics” jointly organized by Ness Wadia College of Commerce and Savitribai Phule Pune University on 27th and 28th February 2015.

Department of Electronics

- Mrs. V. S. Jadkar participated in a National Conference on “Advances in Electronics and its Interdisciplinary Applications (NCAEIA-2014)” organized by Department of Electronic Science, Fergusson College, Pune, on 19th and 20th September 2014.

Department of Geography

- Mr. N. R. Pawar participated and presented a paper in the 7th International Conference on “Geoscience Education” at University of Hyderabad, India, during 05th to 09th September 2014
- Mr. N. R. Pawar participated and presented a paper entitled “Quantitative morpho-metric analysis of Ambilodha (Rivulat) in Pune, Maharashtra” at the 27th Annual Conference of Indian Institute of Geomorphologists (IGI) and National cum International Seminar on Geomorphology and Geospatial Technology in Environment Management and Societal Development at Department of Remote Sensing and GIS, Vidyasagar University, Midnapore, India, during 14th to 17th November 2014
- Mr. N. R. Pawar participated in the UGC sponsored National Conference on “Resource Management for Sugarcane Cultivation in India” at Department of geography, Bharati Vidyapeet University, Y. M. College, Pune, on 03rd March 2015
- Mr. N. K. Bhagat participated and presented a paper entitled “Urban sprawl: A GIS based temporal study of the impact of the IT parks in Pune” at 36th Indian Geography Congress held at Geography Department, University of Rajasthan, Jaipur, India during 17th to 19th November 2014
- Mr. N. K. Bhagat participated in National Seminar on “New thrust areas in teaching and research in Geography” organized by Department of Geography, Savitribai Phule Pune University, Pune on 29th December 2014
- Mr. N. K. Bhagat participated in the UGC sponsored National Conference on “Resource Management for Sugarcane Cultivation in India” at Department of geography, Bharati Vidyapeet University, Y. M. College, Pune, on 03rd March 2015
- Dr. U. Khare participated and presented a paper on “Rural- Urban diversity and globalized landscape: Study of IT Park Nucleus, Hinjewadi, Pune” in Three-Day International Seminar “Rediscovering

Traditions of Folk, Place, and Work in Sustainable Settlement Planning” organized by Institute for Spatial Planning and Environment Research held at Panchakula, Haryana, India.

- Dr. U. Khare participated and presented a paper entitled “Urban sprawl: A GIS based temporal study of the impact of the IT parks in Pune” at 36th Indian Geography Congress held at Geography Department, University of Rajasthan, Jaipur, India during 17th to 19th November 2014
- Dr. (Mrs.) A. Dhorde participated and presented a paper entitled “Effects of land use changes on Runoff Generation in the Bhima-Indrayani watershed, Maharashtra, India” at the 27th Annual Conference of Indian Institute of Geomorphologists (IGI) and National cum International Seminar on Geomorphology and Geospatial Technology in Environment Management and Societal Development at Department of Remote Sensing and GIS, Vidyasagar University, Midnapore, India, during 14th to 17th November 2014
- Dr. (Mrs.) A. Dhorde participated in National Seminar on “New thrust areas in teaching and research in Geography” organized by Department of Geography, Savitribai Phule Pune University, Pune on 29th December 2014

Department of Zoology

- Dr. U. Ashtekar participated in state-level Seminar on “Freshwater ecosystems of Maharashtra: Their biota, ecology, and health” under “Quality Improvement Program” of SPPU, organized by Modern College, Shivaji Nagar, on 6th and 7th February 2015
- Dr. U. Ashtekar participated in UGC-sponsored National Conference on “Innovative Ideas and Research in Life Sciences for Sustainable Development” organized by Department of Zoology, Nowrosjee Wadia College on 16th and 17th January 2015
- Dr. V. Rambal participated and chaired a session as Chair Person in two-day BCUD sponsored National Conference on “Advances in Life Sciences” organized by Department of Zoology, Prof. R. M. College, Akurdi on 20th and 21st December 2014
- Dr. V. Rambal participated in UGC-sponsored National Conference on “Innovative Ideas and Research in Life Sciences for Sustainable Development” organized by Department of Zoology, Nowrosjee Wadia College on 16th and 17th January 2015.
- Dr. V. Rambal participated in state-level Seminar on “Recent advances in Life Sciences” jointly organized by Department of Zoology, BJS College, Wagholi and SPPU under Quality Improvement Program held on 4th and 5th February 2015
- Dr. V. Rambal participated in state-level Seminar on “Freshwater ecosystems of Maharashtra: Their biota, ecology, and health” under “Quality Improvement Program” of SPPU, organized by Modern College, Shivaji Nagar, on 6th and 7th February 2015
- Mrs. B. M. Sadhwani participated in UGC-sponsored National Conference on “Innovative Ideas and Research in Life Sciences for Sustainable Development” organized by Department of Zoology, Nowrosjee Wadia College on 16th and 17th January 2015.
- Mrs. B. M. Sadhwani participated and chaired a session as Chair Person in two-day BCUD sponsored National Conference on “Advances in Life Sciences” organized by Department of Zoology, Prof. R. M. College, Akurdi on 20th and 21st December 2014

- Mrs. B. M. Sadhwani participated in state-level Seminar on “Recent advances in Life Sciences” jointly organized by Department of Zoology, BJS College, Wagholi and SPPU under Quality Improvement Program held on 4th and 5th February 2015
- Mrs. B. M. Sadhwani participated in state-level Seminar on “Freshwater ecosystems of Maharashtra: Their biota, ecology, and health” under “Quality Improvement Program” of SPPU, organized by Modern College, Shivaji Nagar, on 6th and 7th February 2015
- Dr. R. M. Pawar participated in UGC-sponsored National Conference on “Innovative Ideas and Research in Life Sciences for Sustainable Development” organized by Department of Zoology, Nowrosjee Wadia College on 16th and 17th January 2015
- Dr. R. M. Pawar participated and presented a paper entitled “Diversity and composition of Fresh-water Fishes in Pune” at UGC-sponsored National Conference on “Recent trends in Life Sciences” organized by S. M. Joshi College, Pune on 10th and 11th July 2015
- Dr. M. S. Arora participated and presented a paper entitled “Study on the efficiency of new insect growth regulator Lufenuron on the female reproductive system of *Tribolium Casteneum*” in state-level Seminar on “Recent advances in Life Sciences” jointly organized by Department of Zoology, BJS College, Wagholi and SPPU under Quality Improvement Program held on 4th and 5th February 2015
- Dr. M. S. Arora participated in state-level Seminar on “Freshwater ecosystems of Maharashtra: Their biota, ecology, and health” under “Quality Improvement Program” of SPPU, organized by Modern College, Shivaji Nagar, on 6th and 7th February 2015.
- Ms. K. A. Phatak presented a poster in two day National Conference on “Chemistry of Chalcogens” organized by Department of Applied Chemistry, DIAT, Pune on 12th and 13th January 2015.
- Ms. K. A. Phatak participated in XXXVIII All India Cell Biology Conference on “Cellular Response to Drugs” held at CSIR-CDRI, Lucknow on 10th to 12th December 2014.
- Ms. K. A. Phatak participated in XXXVII All India Cell Biology Conference on “Cell Dynamics and Cell Fate” organized by Institute of Stem Cell Biology and Regenerative Medicine at IISc, Bangalore on 22nd to 24th December 2013.
- Ms. K. A. Phatak participated in UGC-sponsored National Conference on “Innovative Ideas and Research in Life Sciences for Sustainable Development” organized by Department of Zoology, Nowrosjee Wadia College on 16th and 17th January 2015.
- Ms. K. A. Phatak participated in “Life Sciences Symposium 2015” organized by Bioscience group BARC, Mumbai, India on 3rd to 5th February 2015.
- Dr. R. Raina participated in UGC-sponsored National Conference on “Innovative Ideas and Research in Life Sciences for Sustainable Development” organized by Department of Zoology, Nowrosjee Wadia College on 16th and 17th January 2015.
- Dr. R. Raina participated in state-level Seminar on “Freshwater ecosystems of Maharashtra: Their biota, ecology, and health” under “Quality Improvement Program” of SPPU, organized by Modern College, Shivaji Nagar, on 6th and 7th February 2015.
- Ms. T. S. Tondarkar participated and presented a poster “Interaction of Entopathogenic Fungi against *Helicoverpa armigera*” 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 UGC-sponsored National Conference on “Innovative Ideas and Research in Life Sciences for Sustainable Development” organized by Department of Zoology, Nowrosjee Wadia College on 16th and 17th January 2015.
- Ms. T. S. Tondarkar participated in UGC-sponsored 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 state-level Seminar on “Freshwater ecosystems of Maharashtra: Their biota, ecology, and health” under “Quality Improvement Program” of SPPU, organized by Modern College, Shivaji Nagar, on 6th and 7th February 2015.

Annexure VI (2.13)

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

Department of Botany

- Dr. K. Bhosale successfully completed the 79th Orientation course for Programme Officer of the National Service Scheme held during 5th February to 11th February 2015 at the NSS Empanelled Training Institute, Ahmednagar College.
- Dr. A. S. Limaye successfully completed General Orientation Programme conducted by UGC-Academic Staff College, Savitribai Phule Pune University from 01st August to 28th August 2014 and awarded the ‘A’ Grade.
- Dr. A. S. Limaye successfully completed UGC sponsored ‘Special Summer School on Research Methodology’ conducted at SIBACA Institute, Lonavala from 11th May to 31st May 2015 and awarded “A” Grade.

Department of Philosophy

- Narwade Milind has completed three day Workshop of “Clinical Ethics Meditation” organized at Savitribai Phule Pune University on 24th to 26th February 2015.

Department of Mathematics

- Dr. S. A. Boxwala attended a short term course on “ICT-Skill Improvement” during 8th to 14th December 2014 organized by UGC-Academic Staff College, Gujarat University, Ahmedabad.
- Dr. S. A. Boxwala participated and presented a paper entitled “The L(2,1)-Labelling of total graphs of a path and a circuit” in 8th International Workshop on “Graph Labellings” during 3rd to 6th December 2014
- Dr. Vikas Jadhav participated in Workshop on “Differential Geometry” held at Department of Mathematics, SPPU, during 8th to 13th September 2014.
- Dr. S. G. Latpate successfully completed a Refresher Course in “Mathematics” at Department of Mathematics, SPPU during 3rd to 23rd November 2014.
- Dr. S. G. Latpate participated in Workshop on “Differential Geometry” held at Department of Mathematics, SPPU, during 8th to 13th September 2014.

- Dr. A. S. Phadke successfully completed General Orientation Programme conducted by UGC-Academic Staff College, Savitribai Phule Pune University from 01st August to 28th August 2014 and awarded the ‘A’ Grade.
- Dr. A. S. Phadke successfully completed Refresher Course in “Mathematics” at Department of Mathematics, SPPU during 3rd to 23rd November 2014 and awarded ‘A’ grade
- Dr. A. S. Phadke participated in European Girls Mathematical Olympiad Pre Departure Camp 2015 held at Homi Bhabha Center for Science and Education, as a Scientific Observer during 09th April to 13th April 2015.
- Dr. A. S. Phadke participated in European Girls Mathematical Olympiad 2015 held at Minsk, Belarus as a Scientific Observer during 14th April to 20th April 2015.
- Dr. A. S. Phadke participated in Maharashtra Olympiad Movement (MOM) as a subject expert Resource Person from 2nd May to 9th May 2014 at MKCL, Pune
- Mr. N. D. Mundlik successfully completed General Orientation Programme conducted by UGC-Academic Staff College, Savitribai Phule Pune University from 01st August to 28th August 2014 and awarded the ‘A’ Grade.

Department of Physics

- Mr. S. G. Jamdade participated in a two-week ISTE Workshop on “Computer Programming” during 20th to 21st June 2014 organized by MKSSS Cummins College of Engineering Pune, held under National Mission on Education Through ICTE (MHRD)
- Dr. V. V. Antad participated in One-day University Seminar on Career Opportunities for Science Students in Research and Industry held by Department of Physics, H. V. Desai College, Pune on 16th February 2015

Department of Politics

- Mr. A. Madhale has successfully completed one week faculty Development Programme for senior faculty for Social Sciences organized by Department of History, SPPU from 3rd November to 8th November 2014.
- Mr. A. Madhale has participated in the “Two-Week Capacity Building Programme / Short Term Course for Social Sciences Faculty Members” organized by Dr. Babasaheb Ambedkar Chair & Dr. Babasaheb Ambedkar Studies centre, SPPU, sponsored by ICSSR, New Delhi from 13th February to 27th February 2015.
- Mr. A. Madhale participated in a one day Workshop on “Restructuring of T. Y. B. A. Syllabus for Politics and public Administration” Department of politics, S. M. Joshi College and BCUD, SPPU on 12th March 2015.
- Mr. A. Madhale has worked as a resource person at half day Workshop and delivered a talk on “*Rastriya Ekatmatet Ekateche Mahatva*” jointly organized by M. S. College, Someshwarnagar and Savitribai Phule Pune University on 5th January 2015,
- Mr. Anil Madhale has worked as a resource person and delivered a talk on “Interview Skills” for students, organized by Department of Marathi, Dr. A. B. Telang College, Nigdi, Pune on 3rd February 2015.
- Mr. S. Sanap has worked as a resource person and delivered a talk on “Competitive Exams” for 10th standard students at Shri Sant Gadage Maharaj Vidyalaya, Koregaon Park, Pune on 14th January 2015.

- Mr. S. Sanap has worked as a resource person and delivered a talk on “*Bandi Manavi Hakka ani Tyababatache Ahaval Lekhan, Karyapaddhati*” for jail superintendents, Yervada on 5th and 6th December 2014. The same topic was delivered on 13th and 14th February 2015.

Department of Computer Science

- Mrs. N. V. Ranade participated in the Workshop on “Implementation of S. Y. B. Sc. (CS) Electronics syllabus organized at St. Meera’s College for girls on 27th June 2014.
- Mrs. N. V. Ranade has successfully completed seven days “Faculty Development Programme” conducted at Modern College of Arts, Science and Commerce, Shivajinagar from 2nd June to 8th June 2014 sponsored by UGC-Academic Staff College, University of Pune.
- Mrs. N. V. Ranade has appointed as one of the member for preparation of practical booklet of S. Y. B. Sc. Computer Science students by SPPU on 8th January 2015.

Department of Economics

- Mrs. I. Kalita has successfully completed Ph. D. Course work on “Research Methodology (as per UGC rules)” organized by Department of Commerce , Savitribai Phule Pune University 2014-15.
- Mr. V. Pawar participated in a One day Workshop on “Revision of Syllabus for T. Y. B. A. Economics” organized by Modern College of Arts, commerce and Science and SPPU on 2nd March 2015.
- Mrs. S. More-Madhale has participated in the “Two-Week Capacity Building Program / Short Term Course for Social Sciences Faculty Members” organized by Dr. Babasaheb Ambedkar Chair & Dr. Babasaheb Ambedkar Studies centre , SPPU, sponsored by ICSSR, New Delhi from 13th February to 27th February 2015.
- Mrs. S. More-Madhale has successfully completed one week faculty Development Programme for senior faculty for Social Sciences organized by Department of History, SPPU from 3rd November to 8th November 2014.
- Mrs. S. More-Madhale participated in a One day Workshop on “Revision of Syllabus for T. Y. B. A. Economics” organized by Modern College of Arts, commerce and Science and SPPU on 2nd March 2015.

Department of Electronics

- Mrs. V. S. Jadkar participated in one-day Workshop on “Restructuring the syllabus of T. Y. B. Sc. (Electronic Science) organized by Department of Electronic Science, Abasaheb Garware College, Pune, on 13th February 2015.
- Dr. P. K. Bhadane participated in one-day Workshop on “Revision of syllabus of T. Y. B. Sc. (vocational) organized by Department of Electronic Science, Abasaheb Garware College, Pune, on 13th February 2015.

Department of History

- Dr. J. S. Anirudha organized a “Modi-script Workshop” at Department of History, Nowrosjee Wadia College, Pune, during 11th to 23rd August 2014
- Dr. J. S. Anirudha completed a “Seven-days Faculty Development Programme for Senior Faculty of Mental, Moral, and Social Sciences (History) at Modern College of Arts, Science, and Commerce, Pune

under the auspices of UGC-Academic Staff College, Pune funded by SPPU (then, UoP), Pune during 25th June to 01st July 2014

Department of Geography

- Mr. S. D. Kokate completed a Refresher course in Geography at the Department of Geography, Savitribai Phule Pune University, Pune from 21st November 2014 to 11th December 2014
- Mr. N. K. Bhagat participated as a resource person in a one-day Workshop on “Restructuring of Geography Syllabus (T. Y. B. A. / T. Y. B. Sc.)” organized by B. C. U. D., Savitribai Phule Pune University and Department of Geography, Mahatma Phule Mahavidyalaya, Pune on 23rd December 2014
- Dr. U. Khare participated in National Seminar on “New thrust areas in teaching and research in Geography” organized by Department of Geography, Savitribai Phule Pune University, Pune on 29th December 2014.
- Dr. (Mrs.) A. Dhorde participated and presented a paper in the conference on “Geoscience Applications in Environmental Issues” held on 6th February 2015 at Tilak Maharashtra Vidyapeeth, Pune
- Dr. (Mrs.) A. Dhorde participated in Geography Syllabus Restructuring organized by Savitribai Phule Pune University, Pune on 24th December 2014
- Dr. (Mrs.) A. Dhorde completed one-week Faculty Development Programme for Senior Faculty of Science (Geography) conducted by Ahmednagar College, Ahmednagar from 17th December 2014 to 22nd December 2014 under the UGC scheme.

Department of Zoology

- Dr. U. Ashtekar participated in one-day Workshop on T. Y. B. Sc. Zoology syllabus revision organized by Department of Zoology, S. P. College, Pune, in association with BOS, Zoology, BCUD on 14th February 2015
- Dr. U. Ashtekar participated in state-level Workshop on “Beekeeping and its role in cottage industry” organized by Department of Zoology, Sinhagad College of Science, under quality improvement programme, SPPU, on 23rd and 24th January 2015
- Dr. U. Ashtekar appointed as Subject Expert for the selection of candidates for BARTI Institutes. The interview was held on 25th to 27th February 2015 for Social Science & Humanities students and 17th & 18 March 2015 for Science, Commerce and Management Engineering students
- Dr. V. Rambal participated in one-day Workshop on T. Y. B. Sc. Zoology syllabus revision organized by Department of Zoology, S. P. College, Pune, in association with BOS, Zoology, BCUD on 14th February 2015
- Dr. V. Rambal has participated in a one day Workshop on “Cancer Biology” held at Indian Institute of Science, Education and Research (IISER) on 23rd August 2014.
- Dr. V. Rambal participated in state-level Workshop on “Beekeeping and its role in cottage industry” organized by Department of Zoology, Sinhagad College of Science, under quality improvement programme, SPPU, on 23rd and 24th January 2015
- Mrs. B. M. Sadhwani participated in a one day Workshop on “Cancer Biology” held at Indian Institute of Science, Education and Research (IISER) on 23rd August 2014.

- Mrs. B. M. Sadhawai participated in state-level Workshop on “Beekeeping and its role in cottage industry” organized by Department of Zoology, Sinhadgad College of Science, under quality improvement programme, SPPU, on 23rd and 24th January 2015
- Dr. R. M. Pawar participated in one-day Workshop on T. Y. B. Sc. Zoology syllabus revision organized by Department of Zoology, S. P. College, Pune, in association with BOS, Zoology, BCUD on 14th February 2015
- Dr. R. M. Pawar participated in state-level Workshop on “Beekeeping and its role in cottage industry” organized by Department of Zoology, Sinhadgad College of Science, under quality improvement programme, SPPU, on 23rd and 24th January 2015
- Dr. R. M. Pawar participated in a one day Workshop on “Cancer Biology” held at Indian Institute of Science, Education and Research (IISER) on 23rd August 2014.
- Dr. Arora M. S. participated in a one day Workshop on “Cancer Biology” held at Indian Institute of Science, Education and Research (IISER) on 23rd August 2014.
- Miss. Kanchan Phatak successfully completed seven days “Faculty Development Programme” conducted at Modern College of Arts, Science and Commerce, Shivajinagar from 2nd June to 8th June 2014 sponsored by UGC-Academic Staff College, University of Pune.
- Miss. K. A. Phatak successfully completed UGC Sponsored Refresher Course in Life Sciences (Zoology) at Department of Zoology, SPPU, Pune from 7th January 2015 to 27th January 2015 with ‘A’ Grade.
- Mr. A. Buxi participated in state-level Workshop on “Beekeeping and its role in cottage industry” organized by Department of Zoology, Sinhadgad College of Science, under quality improvement programme, SPPU, on 23rd and 24th January 2015
- Mr. A. Buxi participated in a one day Workshop on “Cancer Biology” held at Indian Institute of Science, Education and Research (IISER) on 23rd August 2014.
- Ms. T. S. Tondarkar participated in a one day Workshop on “Modelling and Simulation in Public Sphere” organized by Centre for Modelling and Simulations, SPPU on 28th March 2015.

Ms. T. S. Tondarkar participated in a one day Workshop on “Cancer Biology” held at Indian Institute of Science, Education and Research (IISER) on 23rd August 2014.

Annexure VII (3.7)

Department of Mathematics

- Dr. S. A. Boxwala published a book entitled “Some problems in cordial labellings of Graphs” by LAP, Germany.
- Dr. A. S. Phadke worked as co-author for the book “Discrete Mathematics” published by SPPU

Department of Chemistry

- Dr. R. P. Bhadane published a book entitled “Physical and Analytical chemistry” for S. Y. B. Sc. Paper I (Term 1) as a co-author published by Manali Prakashan (ISBN: 978-81-926856-8-7)
- Dr. R. P. Bhadane published a book entitled “Physical and Analytical chemistry” for S. Y. B. Sc. Paper I (Term 2) as a co-author published by Manali Prakashan (ISBN: 978-93-84083-01-4)

- Dr. R. P. Bhadane published a book entitled “Advanced Practicals in Physical Chemistry” for Post-Graduate students as a co-author published by Manali Prakashan (ISBN: 978-81-926856-3-2)

Annexure VIII (3.25)

University Forum

- **NSS**
 - a) NSS Special Winter Camp
 - b) Blood Donation Camp
 - c) Conducted the Swach Bharat Abhiyan at the college premises
 - d) More than 50 NSS volunteers helped blind students as writers for university examinations.
 - e) Celebration of Birth anniversary of social reformers like Mahatma Gandhi, Savitribai Phule, Swami Vivekanand, Chattapati Shivaji Maharaj, Mahatma Phule, Dr. Babasaheb Ambedkar etc.

- **NCC**
 - a) Blood donation at AFMC & Our college – 6 cadets from NCC-Army wing, 3 cadets from NCC-Navy wing participated in blood donation activities and they also organized college-level blood donation camp
 - b) Swach Bharat Abhiyan – All cadets participated in the Cleanliness Activity in our college as well as the areas surrounding the College Campus
 - c) Cleaning railway station – NCC-Army wing cadets participated in this activity, it was carried out on 18th January 2015 at Pune Railway Station, Pune

College Forum

- a) Department of Botany organized intercollegiate competition cum exhibition “BOTNICA-2015”. This was their 10th successful year of organizing BOTANICA at Intercollegiate level
- b) Department of Geography organized Geographica–15’
- c) Department of Zoology organized a National conference, Zoo planet, the Enthuzoastic Zoo club started
- d) Department of Geology Exhibition open to all especially school students
- e) Department of Marathi and Sanskrit organized a Poetry Reading competition in college
- f) Department of English organized Poetry reading competition, Literaria competition,
- g) Department of English also organized prestigious National conference on “Cultural studies: explorations in to the forms of power”
- h) Department of Economics organized an Elocution competition.
- i) Department of Biotechnology organized the “Biotech Festival – BioTechxlence-2k15” at inter-collegiate level
- j) The Department of Computer Science organized the annual seminar event ‘TECHQRIOSITY’, Zaroka Wall Magazine for students

- k) The Department of Mathematics organized a “Mathematical Treasure Hunt” with a view to popularising the subject and to facilitate learning of Mathematics, thereby taking away the inherent fear of the subject (Tautology)
- l) Organising various events at different levels to create interest in the subject, increase awareness, and inculcate a healthy sense of competition amongst the students
- m) Department of Physics had organized the Physics competition cum exhibition “Physiquest” 2015
- n) The Women’s Forum arranged a talk on ‘Financial Literacy’ by Moneybee Institute.
- o) Department of Physical Education organized Squash Tournament, T20 cricket tournament
- p) The Wadians Alumni Association organized a ‘Blood Donation Camp’
- q) Debating society of the college organized intercollegiate ‘Gokhale Cup’, extempore competition
- r) College organized a prestigious intercollegiate quiz competition “Late Mayadevi Sethi Cup”

Any other

- **CTSE**
 - a) MTS Examination
 - b) GEE Examination
 - c) YASHADA Examination
- **Departmental Contributions**
 - a) Many teachers have written textbooks based on the curriculum for both UG as well as PG levels.
 - b) Certificate Courses run by different departments.
 - c) The Physical Education Department conducted ‘Winter and Summer Training Programmes’ for our Sportsmen.
 - d) The Department of Chemistry has written curriculum based books for UG and PG.

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 2014 -15

➤ **Maharashtra Talent Search Examination :**

- The prestigious Maharashtra Talent Search Examination was successfully conducted on 24th April 2015 by CTSE for the students studying in Std. VIII, IX and X. This was the 25th year of conducting the examination
- Exactly 1, 05, 730 students from 3533 schools of Maharashtra, Goa, Karnataka appeared for the MTS Examination at 685 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 15th June 2014, the total prizes of Rs. 30 Lakh were awarded to 11, 811 students for the previous year

➤ **Graduate Excellence Examination – 2015**

- The Graduate Excellence Examination was conducted on 1st February 2015 at 15 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. and there were two streams for each level namely Administrative Services and Management Services.
- 614 Students from 30 colleges across Maharashtra participated in the examination
- Group Discussion and Personal Interviews of Top 12 students of S.Y. and 7 students from T.Y. level were conducted
- 32 State level prizes, 27 Special prizes, and 53 Consolation prizes were awarded to the students in a Prize Distribution ceremony held at Nowrosjee Wadia College

➤ **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 sixth consecutive year.
- The entrance examination was successfully conducted at 28 centres across Maharashtra on 30th November 2014 and 5261 candidates from all over Maharashtra appeared for the Examination.

b) Departmental activities :

- Department of Botany organized intercollegiate competition cum exhibition “BOTNICA-2015”. Apart from that students of F. Y. B. Sc. were taken to Mahabaleshwar as a part of their study tour and to observe biodiversity. Study tour for S. Y. B. Sc. was organized to Dapoli Agriculture College, Ganapatipule and Shivaji University, Kolhapur. T. Y. B. Sc. students were taken to Pachmarhi, Jabalpur, M. P. For a week to study biodiversity. Study tour for PG students was organized at Harihareshwar, Dive-agar for coastal collections.
- Department of Chemistry held a grand exhibition for UG and PG students, to appraise them the power of Chemistry. Silver jubilee Lecture competition was held in Feb 2015. Industrial visits were conducted for the M. Sc. I &II Chemistry (all branches), T.Y .B.Sc. students.

- Department of Geography conducted a study tour for S.Y. B.A geography special students, to Kokan area. Study tour was also conducted to Rajasthan, a one-day village survey to Jambe for M.A students , to Sus -Nanade for S.Y students. A guest lecture on Applications of GIS by Dr. Dipti Mukherji was arranged in September. The Geographica fest was conducted in Janaury 2015.
- Department of English had an array of activities during the year 2014-15. The Annual Poetry Reading Competition for original works was organized for U.G and P.G students in September. Literaria, the literary fest was held as part of Nowros'15. Two movies were showcased to the students of S.Y.B.A. A two day National conference on “Cultural studies: Explorations into the forms of Power”, was organized in March'15.
- Department of Economics Organized a panel discussion on issues related to “Do we need a Planning commission’ for TYBA students. An essay competition was held in August. A guest-lecture and workshop was organized on Financial Literacy.
- Department of Mathematics celebrated the National Mathematics day, by organizing a guest lecture, Maths Dumb charades, Fun tricks with maths, in Dec'15. The annual event Tautology was conducted in Jan'2015.
- Department. of Zoology, organized a two day national conference on “Innovative ideas and research in life sciences for sustainable development”, in Jan'15. A guest lecture on matters related to environment was held in Jan 2015.
- Department. of Biotechnology conducted a study tour to Katraj diary for the TYBSC students. A study tour to Pashan lake was organized for SYBSC students. A visit to Science express was organized for the SYBSC students. A guest lecture on Ebola virus was organized. An intercollegiate competition, Biotechexcellence 2015, was organized in Jan 2015.
- Department of Zoology conducted a guest lecture on Perspectives of research on viruses in India, for the TYBSC students. The Department started the Enthuzooastic club, in September 2015. A number of guest lectures by eminent People were organized by the Department, throughout the academic year 2014-The Department also organized a national conference on Innovative ideas and research in life sciences for sustainable development in Jan'2015. The Department organized a two day intercollegiate Zooplanet , on Jan 2015. Study tours were conducted for the UG and PG students.
- Department of Botany various academic and extra- curricular activities in the academic year 2014-15. The Department organized a Tree plantation programme on 15th August'15. A two day intercollegiate Botany festival, Botanica 15, was organized in January 2015. Study tours were conducted for the UG and PG students.

- Department of Electronics organized a workshop on Robotics for MSC II students on Electronics Projects ‘was conducted by the bifocal students. A one day study tour to DRDO was organized for the MSC I students.
- Department of French organized an inter disciplinary programme on Blaise Pascal- the French Mathematician, on March 15. A series of programmes under the title La – Promonadeen France- the stroll in France, was organized in Feb 2015. The Francophonie day was celebrated on 20th March 2015.
- Department. of Geology conducted the Annual fest for its students. Various activities were conducted for the students under this fest. Field tours were conducted for the students. The Department of Petroleum technology was recognized as an official student chapter of the Society of Petroleum Engineers .
- Department. of Computer Science, conducted various activities for students on Teachers day. A seminar on mitigating security threats was organized for the PG students. The annual event Tech-N-Talent was organized in Jan’2015. Annual technical fest, The TechQriosity fest was organized for the PG students. Wall magazine Zaroka, continued to showcase the artistic and literary talents of the students, this year too.
- Department. of Physics organized a Physics exhibition for the junior college students. The annual Physics day, Physiquet 2015, was held in Jan 2015. A lecture competition was organized for the UG and PG students of the department.
- Department of Psychology, the Disha counselling centre handled various cases under the counsellor, Ms Natasha Pirani. Guest lecturers were organized for the MA I students. Movies were screened for the students of the Department. Department organized a one day inter collegiate Psychology fest – Beautiful minds – Psynapse, in Jan 2015.
- Department of English organized a two day national conference on, Cultural studies: Explorations into the forms of power, in May 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.

Other Extension Activities

- The Department of Computer Science initiated a extension activity, in the form of a series of innovative workshops under the name, TECC-KNOW, for school students of class VIII and above. The workshop was successfully conducted for students of 10 schools in Goa, on 13th December 2015, and one school in Pune on 20th December.
- The Department of Psychology conducted a series of workshops on, Resilience and Coping, in coordination with the Reach Out to Life Foundation at various schools in the

city and within the campus of the college. Workshops on, Good touch, bad touch, were also conducted.

- The Women's Forum of the college conducted a Seminar on Financial Literacy, in coordination with the MoneyBee institute, to highlight the knowledge of finance, for all the staff members of the college and also for the students.

The CTSE conducted the students training programme for competitive exams at various places within Maharashtra state. Also provided question sets to Government Pre-IAS training centres at Kolhapur, Nashik and Nagpur for the entrance examination for selection of candidates for an UPSC preliminary examination.

Dr. Ms. S. A. Boxwala
IQAC Coordinator

Dr. K. S. Venkataraghavan
Chairperson, IQAC
