



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

**Annual Quality Assurance Report (AQAR)  
2011 - 2012**

## The Annual Quality Assurance Report (AQAR) of the IQAC (2011-12)

The Nowrosjee Wadia College, Pune is glad to present the Annual Quality Assurance Report of the academic year 2011-12.

### 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(Office)
Name of the Head of the Institution:	Dr. B. B. Thakur
Tel. No. with STD Code:	020-26169108
Mobile:	9422289580

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

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

1.7 Date of Establishment of IQAC:

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

**AQAR 2010-11 sent to NAAC on 1<sup>st</sup> November 2016.**

#### 1.10 Institutional Status

University : State

Affiliated College : Yes

Constituent College : No

Autonomous college of UGC : No

Regulatory Agency approved Institution : Yes

(e.g. AICTE, BCI, MCI, PCI, NCI)

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/Program

Arts       Science       Commerce       Law       PEI (Phys Edu)

TEI (Edu)       Engineering       Health Science       Management

Others (Specify): --

1.12 Name of the Affiliating University (*for the Colleges*):

Savitribai Phule Pune University  
(Formerly known as University of  
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 Program : No

DST-FIST : No

UGC-Innovative PG programs : No

Any other (*Specify*) : No

UGC-COP Programs : No

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

2.1No. of Teachers : 8

2.2No. of Administrative/Technical staff : 2

2.3No. of students : 0

2.4No. of Management representatives : 2

2.5No. of Alumni : 0

2. 6No.of any other stakeholder and  
community representatives : 0

2.7No. of Employers/ Industrialists : 0

2.8No. of other External Experts : 01

2.9 Total No. of members : 13

2.10No. of IQAC meetings held : 02

2.11 No. of meetings with various stakeholders. : 06

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

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

If yes, mention the amount: NIL

2.13Seminars and Conferences (only quality related)

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

Total Nos.: 00

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

(ii) Themes: Not Applicable

2.14Significant Activities and contributions made by IQAC

Planning of Programs for the academic year, monitoring the programs and reviewing the plan at the end of the year.

## 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

### **Academic Calendar: 2011-12**

#### **First Term**

Sr. No.	Details of Activities	Dates
1	Commencement of First Term	15/06/2011
2	College Foundation Day	21/07/2011
3	First Mid-Semester Examination of B.Sc.	3 <sup>rd</sup> &4 <sup>th</sup> week of August
4	Scholars' Day	27/09/2011
5	Conclusion of First Term	22/10/2011
6	First Semester University Examination of B.Sc.	2 <sup>nd</sup> week of November

#### **Second Term**

Sr.No.	Details of Activities	Dates
1	Commencement of Second Term	18/11/2011
2	First Semester University Examination of B.Sc.	2 <sup>nd</sup> week of November
3	Term End Examination of B.A.	4 <sup>th</sup> week of November
4	N.S.S. Camp	4 <sup>th</sup> week of December
5	Gokhale Cup Elocution Competition	06/01/2012
6	Extra & Co-curricular Departmental Activities	3 <sup>rd</sup> week of January
7	Gymkhana Day	08/01/2012
8	N.C.C. Day	09/01/2012
9	Second Mid-Semester Examination of B.Sc.	2 <sup>nd</sup> & 3 <sup>rd</sup> week of February
10	University Annual Examination of B.A.	2 <sup>nd</sup> & 3 <sup>rd</sup> week of April
11	Second Semester University Examination of B.Sc.	4 <sup>th</sup> week of April
12	Conclusion of Second Term	30/04/2012

Plan of Action	Achievements
<ul style="list-style-type: none"> <li>Promoting teachers for refresher/orientation programs, workshops, conferences etc.</li> </ul>	<ul style="list-style-type: none"> <li>Several teachers attended refresher courses, orientation programs, seminars and workshops. Many teachers participated in conferences and also presented papers and posters. Our faculty was actively involved in curriculum development of the university courses, worked as resource persons and chairpersons in various workshops and conferences.</li> </ul>
<ul style="list-style-type: none"> <li>Encouraging students to participate in inter-collegiate and intra-collegiate competitions and events.</li> </ul>	<ul style="list-style-type: none"> <li>A large number of students participated in various intercollegiate events and competitions and brought laurels to the college.</li> <li>Cadet Corporal Mehrab Bhaya was awarded All India Best Cadet, RDC, New Delhi.</li> <li>Cadet Shifa Siddiqui was awarded All India Best Cadet, AINSC, Vishakhapatnam.</li> </ul>
<ul style="list-style-type: none"> <li>Organizing competitions, soft-skill workshops for overall development of students.</li> </ul>	<ul style="list-style-type: none"> <li>Several intra-collegiate and inter-collegiate competitions were organized by different departments for building camaraderie, promoting creativity and critical thinking.</li> <li>The Department of Geology &amp; Petroleum Technology conducted a one day workshop on “Trends in Drilling for Petroleum” for the students of M. Sc. Petroleum Technology on 7<sup>th</sup> January 2012 from 10.30am to 5.30 pm.</li> <li>Seminars were organized by the Department of Economics with the help of Global Opportunities Institute, Pune. Students were encouraged to attend seminars related to the subject.</li> <li>The Bi-centenary Birth anniversary of Charles Dickens was celebrated on 7<sup>th</sup> February 2012 by the Department of English. The Department also received a vibrant response to a Script Writing Workshop.</li> </ul>
<ul style="list-style-type: none"> <li>Upgrading laboratory equipment</li> </ul>	<ul style="list-style-type: none"> <li>Equipment was acquired to enhance existing laboratory facilities as done every year.</li> </ul>
<ul style="list-style-type: none"> <li>Encouraging teachers to take up major/minor research projects</li> </ul>	<ul style="list-style-type: none"> <li>The faculty from various departments continued to work on existing major and minor projects.</li> <li>No. of on-going projects started earlier is 03.</li> <li>No. of projects completed this year is 04.</li> </ul>
<ul style="list-style-type: none"> <li>Active participation in curricular development at university level.</li> </ul>	<ul style="list-style-type: none"> <li>The Department of Computer science organized a one day workshop on “M. Sc. Sem. II Syllabus Implementation” on 19th August 2011. The workshop was attended by</li> </ul>

<ul style="list-style-type: none"> <li>NET/ SET Workshop</li> </ul>	<p>approximately 100 faculty members from various colleges under Savitribai Phule Pune University (formerly known as University of Pune).</p> <ul style="list-style-type: none"> <li>The Department of Computer science conducted a NET/SET (Computer Science and Applications) Workshop from 1st – 16th November 2011.</li> </ul>
<ul style="list-style-type: none"> <li>Organizing events highlighting duties and responsibilities of citizens</li> </ul>	<ul style="list-style-type: none"> <li>Voter Awareness Program On the request of Pune Municipal Corporation a senior faculty, Jayant Salve from the Department of English authored a street play to create awareness on voting and presented the street play along with 20 students at about 25 different venues in Pune City. This was highly appreciated and received wide publicity in newspapers.</li> <li>Activities round the year of NSS, NCC and Women's Forum.</li> </ul>
<ul style="list-style-type: none"> <li>Strengthening Industry Interaction and exposure</li> </ul>	<ul style="list-style-type: none"> <li>Several departments organized lectures by Industry experts.</li> </ul>
<ul style="list-style-type: none"> <li>Expanding the reach of Extension activities</li> </ul>	<ul style="list-style-type: none"> <li>School students appearing for the Maharashtra Talent Search Examination, conducted by our Centre for Talent Search and Excellence, from Maharashtra, Karnataka, Goa and Gujarat in April 2012, crossed the one lakh mark.</li> <li>Graduate Excellence Examination is conducted for the students of F.Y., S.Y. and T. Y. students of all the streams so as to prepare for all the competitive examinations which the students have to face after graduation such as UPSC, MPSC, CAT, CET, CDS, SSB GRE etc. Through these examinations the confidence and competence of the student will be enhanced. 931 students from 41 colleges appeared for the GEE in Feb 2012.</li> <li>Ambedkar Competitive Examination Centre (ACEC) – “YASHADA” is conducting a special coaching program for graduate students from Maharashtra to prepare for UPSC Examinations. This program is conducted for 60 students mostly from SC, ST category and 10 students from Minorities. The C.T.S.E. sets the question papers and conducts the examination at different examination centres all over Maharashtra. A list of students were selected for UPSC training as per the norms set by</li> </ul>



	ACEC(YASHADA) and also the waiting list is handed over to them.5160 students appeared for the examination at 11 centres in 2011.
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2.16 Whether the AQAR was placed in statutory body :Yes

Management: Yes                      Syndicate: N.A.                      Any other body:Yes

Provide the details of the action taken

- Rough draft presented before the Steering Committee on 18 /7/16
- Revised draft presented before IQAS and approved with suitable changes on 6 /8/16
- Presented before Management and approved by Management on 30/8/16
- Uploaded on the college website [www.nowrosjeewadiacollege.edu.in](http://www.nowrosjeewadiacollege.edu.in) on 26/10/16

## Part – B

### Criterion – I

#### I. Curricular Aspects

##### 1.1 Details about Academic Programs

Level of the Program	Number of existing Programs	Number of programs added during the year	Number of self-financing programs	Number of value added / Career Oriented programs
PhD	04 Annexure I	0	04	0
PG	18 Annexure II	0	17	0
UG	16 (07+07+02) Annexure III	0	02*	0
PG Diploma	01 (PG Diploma in Analytical Chem.)	0	1	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	0	0	0	0
Others	01(B. Lib & Info. Sc.)	0	1	0
<b>Total</b>	40	0	25	0
Interdisciplinary	01 AnnexureIV	0	01	0
Innovative	0	0		0

\* TY Botany is self-financing

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	78 (Aided) 9 (Non Aided)	32 (Aided) 5 (Non Aided)	44 (Aided) 4 (Non Aided)	0 0	02 0

1.2 No. of permanent faculty with Ph.D.:(41 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	
R	V	R	V	R	V	R	V	R	V
10+01	26+83	0	0	0	0	0	0	10+01	26+83

2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest	Visiting	Temporary
25+12	28+98	37+78

2.5 Faculty participation in conferences and symposia: See (Annexure\_2011-2012\_2.5)

No. of Faculty	International level	National level	State level
Attended	02	10	07
Presented papers	07	10	02
Resource Persons	00	00	01

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

- The teachers from our college used several innovative methods in teaching and learning. The faculty makes use of power point presentations, animated clips and movies. The understanding of the students is periodically tested on basis of seminars; short quizzes conducted, open book tests and problem solving sessions taken.
- Students participated in “Avishkar” – an activity to motivate students to work on research projects and share their ideas along with other researchers at a symposium organized by the university. This also leads to students’ projects being an extension of the research activity going on in their respective departments.

- Students of S.Y. B.Sc. and T. Y. B.Sc. are encouraged to participate in group discussions. The students were motivated to prepare and appear for several competitive examinations during their graduation and post-graduation by helping them to study from reference books. The students are made aware of the e-resources to study a particular topic.
- The teachers in the Department of Chemistry make use of C models for teaching the concepts of stereochemistry.
- The teachers from the department of Botany make use of documentaries for teaching B.Sc. courses. Students of S.Y., T.Y. B.Sc. and M. Sc. are shown animated presentations on Plant Biotechnology. The department organized field trips for Taxonomy subjects for Identification.
- The faculty from the Department of Computer science have demonstrated programs to students using tools and IDE's like Eclipse. Wall magazines have been specifically introduced so that students can share their creative expressions in the form of articles, poems, sketches, quizzes. Technical information is also published periodically by the departments on the wall magazine.
- The Department of French purchased CDs and cassettes for improving oral skills of students.
- The faculty from the Department of Electronics conducted sessions on demonstration of equipment/kits and hands on training for the students.
- The faculty of the Department of Geology downloaded e-books and other references for undergraduate and post graduate students. The students were shown documentaries related to their syllabus (e.g. Origin of Solar system, mountains, volcanoes, etc.) Notes are given to the students after each topic is taught and some lectures are assigned for discussions on the topics which has benefitted the students in their understanding of the subject.
- Dr. F. I. Surve from the Department of Physics continued to employ e-learning websites and online shares for providing content to and interacting with MSc II & T.Y.B. Sc students viz. [sites.google.com/site/worldacoustics](http://sites.google.com/site/worldacoustics), [www.slideshare.com/farhatsurve](http://www.slideshare.com/farhatsurve).
- Conducting Physics Practical at the F.Y. B.Sc., S. Y. B. Sc., T.Y.B. Sc., and M. Sc. (Physics) classes involve continuous assessment of the students. For this, periodic viva-voce examination of students was conducted to enhance conceptual understanding of the respective class students.
- The faculty from the Department of Psychology used several methods such as designing experiments and using them, movies, videos, Computer software's, Games and activities, Case studies, Quizzes, Presentations, Interviews and surveys.
- The faculty from the Department of Zoology made use of slide projector to observe coloured plates of histology slides.
- Essays on important geomorphic statements, theme based slide show, village survey, field surveying on ground are some of the methods used by the teachers in the Department of Geography.
- The Department of History organized Debate and Quiz competition for students in their respective classes. The Department also organized inter-class quiz competitions, debates, project assignments, poster, model and collage making competitions. The Department has shown CD's of historical films to enhance interest in the subject.
- The faculty from the Department of Marathi taught stories and autobiographies to SYBA students by introducing the concept of pre reading. The interpretation of the students was analysed in detail during the lectures.
- The Department of Economics organized two class seminars, regarding education opportunities abroad with the help of Global Opportunities institute, Pune. The post graduate students of the department attended a seminar on 'Inclusive Growth' at MITCON, Pune. They also attended a National seminar on 'Research at St. Mira's college, Pune. Postgraduate students participated in the prestigious 'Wall Street' organized by Fergusson College.

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

Arts	Science
202	191

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

The examination result process for F. Y. B.A /B.Sc. is computerized.

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

See (Annexure\_2.9)

Curriculum Restructuring	Curriculum Revisions	Syllabus Development
00	07	01

2.10 Average percentage of attendance of students:

Exact Percentage varies from class to class. However, the average percentage is approximately 80%.

2.11 Course/Program wise distribution of pass percentage:

Title of the Program	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
T. Y. B. A.	368	38 (10.3%)	112 (30.4%)	106 (28.8%)	18 (4.8%)	274 (74.4%)
T. Y. B. Sc.	259	63 (24.3%)	85 (32.8%)	29 (11.1%)	03 (1.1%)	180 (69.4%)
T. Y. B. Sc. (Comp. Sc.)	189	28 (14.8%)	60 (31.7%)	44 (23.2%)	03 (1.5%)	135 (71.42%)
T. Y. B. Sc. (Bio Tech)	24	0 (0%)	11 (45.8%)	11 (45.8%)	0 (0%)	22 (91.66%)
MSc.+M.Tech(N on-grant)	377	13 (3.4%)	129 (34.2%)	86 (22.8%)	1 (0.2%)	229 (60.7%)
M. A. (including Library science)	180	8 (4.4%)	45 (25%)	55 (30.5%)	9 (5%)	117 (65.0%)

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

IQAC encourages the various departments of the college to periodically arrange syllabus revision workshops in collaboration with and with support from the University. Faculty members work as resource persons, Heads of groups at such syllabus revision workshops. IQAC conducts meetings with the Heads of the Departments to discuss their teaching learning plan for the year at the beginning of the year and takes a review at the end of the year. The teachers regularly record their academic and co-curricular activities in the academic diary provided to them. These diaries are regularly checked by the respective heads of department and periodically by the Principal.

2.13 Initiatives undertaken towards faculty development (See Annexure\_2.13)

<i>Faculty / Staff Development Programs</i>	<i>Number of faculty benefitted</i>
Refresher courses	04
UGC – Faculty Improvement Program	01
HRD Programs	00
Orientation Programs	01
Faculty exchange Program	00
Staff training conducted by the university	00
Staff training conducted by other institutions	00
Summer / Winter schools, Workshops etc.	38
Others/Seminars	26 including 03 oral presentations

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	46(Aided) 53 (Non Aided)	03(Aided) 56(Non Aided)	--	12(Non Aided)
Technical Staff	61(Aided)	21(Aided)	--	--

## Criterion – III

### 3. Research, Consultancy and Extension

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

- The potential researchers were identified and were encouraged to write major / minor project proposals
- Vikas Jadhav, Department of Mathematics, went on UGC Faculty Improvement Program.

#### 3.2 Details regarding major projects

(See Annexure\_RESEARCH PROJECTS)

	Completed	On-going	Sanctioned	Submitted
Number	01	03	--	--
Outlay in Rs.	--	9,62,800/-	--	--

#### 3.3 Details regarding minor projects

(See Annexure\_RESEARCH PROJECTS)

	Completed	On-going	Sanctioned	Submitted
Number	03	--	--	--
Outlay in Rs.	1,14,822/-	--	--	--

#### 3.4 Details on research publications

(See Annexure\_3.4)

	International	National	Others
Peer Review Journals	16	5	--
Non-Peer Review Journals	--	--	--
e-Journals	12	--	--
Conference proceedings	--	2	--

#### 3.5 Details on Impact factor of publications: 0 to 5.02

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (in Rs.)	Received (in Rs.)
Major projects	Anargha Dhorde S. L. Bonde G. R. Aher Jayamala Diddee	ISRO/UoP/STC ISRO/UoP/STC ISRO/UoP/STC UGC	9,66,000/- 8,00,000/- 13,64,800/- 10,67,800/-	2,37,000/- 4,50,000/- 2,75,800/- --
Major Projects			41,98,600/-	9,62,800/-
Minor Projects	2009-11	BCUD(SEE ANNEXURE)	5,90,000/-	1,14,822/-
Interdisciplinary Projects	---	---	---	----
Industry sponsored	----	----	----	-----
Projects sponsored by the University/ College	----	----	----	----
Students research projects (other than compulsory by the University)	---	----	-----	-----
Any other(Specify)	--	--	--	--
Total				

3.7 No. of books published i) With ISBN No.: 01 Chapters in Edited Books: 01

ii) Without ISBN No. : 00

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)

UGC XI PLAN: Rs. 3,35,000/-

3.10 Revenue generated through consultancy: No

3.11 No. of conferences organized by the Institution

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



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

(See Annexure\_3.12)

3.13 No. of collaborations International : 00 National: 00 Any other: 00

3.14 No. of linkages created during this year: 00

- A number of Co-PI's are from other Institutions.
- M. Sc. students carrying out projects in UGC-CSIR laboratories.
- Students from other post graduate centres at recognised research laboratories working in our college.

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	Dist	College
	01	01				01

Dr. S. V. Ahire (Botany), Kanchan Phatak (Zoology), Dr. S. L. Bonde.(M. V. Gokhale Award)

3.18 No. of faculty from the Institution who are PhD guides: 12

Students registered under them: 14

3.19 No. of Ph. D. awarded by faculty from the Institution: 00

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: 150(NSS Camp) State level: 30(Road Safety Program)

National level : 01(National Camp) International level: 00

3.22 No. of students participated in NCC events

University level	89	State level	16
National level	27	International level	00

University Level: Army – 40; Navy – 37; Air - 12

State Level: Army – 1; Navy – 6; Air - 9

National Level: Army – 10; Navy – 8; Air - 9

3.23 No. of Awards won in NSS:

University level	0	State level	0
National level	0	International level	0

3.24 No. of Awards won in NCC: (Annexure\_2011-2012(NCC))

University level	24	State level	08
National level	05	International level	00

University Level: Army - 7; Navy - 14; Air - 3

State Level: Army - 0, Navy - 5, Air - 3

National Level: Army – 0; Navy – 4; Air - 1

Cadet Corporal Mehrab Bhaya – All India Best Cadet, RDC, New Delhi.

Cadet Shifa Siddiqui – All India Best Cadet, AINSC, Vishakhapatnam.

Lt. Pramod N. Shinde received commendation from Group Commander on NCC Day.

3.25 No. of Extension activities organized

University forum	04	College forum	16		
NCC	04	NSS	12	Any other	--

#### Extension activities of NSS

- NSS Special Winter Camp  
A talk on women's health: 150 Volunteers (including 29 girl volunteers) and 10 ex-students were present for the same. Also a lecture on women power was held during the camp.

Apart from the talk the following activities were conducted for the villagers during the camp.

- Disaster management
- Women empowerment
- Cleanliness program
- Water management
- Non-conventional energy sources
- Cultural programs based on superstitions.

Some other activities organized by NSS during the year are

- Blood Donation Camp
- Road Safety Program
- Tree Plantation
- Police Mitra
- Women's Day

#### Extension Activities of NCC

- Blood Donation Camp
- Anti-drug Drive
- Tree Plantation
- Female foeticide

#### University Forum

- The Department of Computer Science organized a one-day workshop on "M.Sc.. Semester II Syllabus Implementation" on 19th August 2011. The workshop was attended by approximately 100 faculty members from various colleges under Savitribai Phule Pune University (formerly known as University of Pune).
- The Department of Computer Science conducted a NET/SET (computer Science and Applications) Workshop from 1st – 16th November 2011.
- On behalf of PUSA (Pune University Statistics Association), the Department of Computer Science conducted a quiz in Statistics for F.Y.B.Sc. (Computer Science) students in January 2012.
- The annual technical fest, 'TechQriosity' 12 was organized on 25th February 2012. More than 250 postgraduate students from all over Pune attended the event. The event comprised of seminars in which eminent professionals from various IT sectors interacted with the participants in an attempt to bridge the gap between the industry and the university curriculum.

## College Forum

### Department of Botany

- A two-day intercollegiate botany fest, “Botanica-12”, was organized on 30th and 31st January 2012. Students from various colleges of Pune participated whole heartedly in various events such as seminars, projects, poster presentations, drawing, painting, flower arrangement, etc. As is the custom, during this academic year too, the department organized a ‘Tree plantation’ program on the college campus on 15th August 2011 and 26<sup>th</sup> January 2012.

### Department of Chemistry

- A Chemistry Exhibition was held for UG and PG students in Feb 2012.

### Department of Computer Science

- Apart from co-curricular events, the department conducted extra – curricular events as per its tradition. These activities included ‘Sports – week’ and ‘Tech-N-Talent’. The ‘Tech-n-Talent’ events comprised of Debate, Rangoli, Poster presentation, Programming and the newly introduced flower arrangement competition.

### Department of Economics

- Two class seminars, regarding education opportunities abroad were organized by the department with the help of Global Opportunities Institute, Pune.

### Department of Electronics

- The Department of Electronics and SPEED organized hobby project exhibition for the F.Y.B.Sc. (Elec. Sc.) Students. The objective of this exhibition was to encourage the first year students in their study of theoretical as well as practical Electronics and to prepare them for the final year project.

### Department of English

- A Poetry Reading Competition in original works was held on 17th September 2011. The Bi-centenary Birth anniversary of Charles Dickens was celebrated on 7th February 2012. The Department saw an overwhelming response to the script writing workshop last year and a similar vibrant response was witnessed this year on 20th March 2012.

### Department of French

- The activities of the Department of French included a general knowledge quiz about France, the French language and culture and a French Poetry Reading Competition.

### Department of Geology

- As a part of the yearly “Geofest” activities, the Department had arranged an exhibition of minerals, gemstones, fossils and also of the instruments used in gemology. It was open to the students of schools and colleges. It received an awesome response from the student community and over 1500 students visited the same. The department presented the set of rock samples to

various schools which have been prescribed in their school syllabus, which will popularize the subject of Geology amongst the school students.

#### Department of Geography

- A Geography Quiz Competition for all Senior College and Postgraduate students was arranged on 31<sup>st</sup> January 2012. A poster and model exhibition was also held on the same day.

#### Department of History

- The annual exhibition cum competition “History through The Medium of Art” was conducted in February 2012.

#### Department of Mathematics

- To commemorate the 124<sup>th</sup> birth anniversary of Srinivasa Ramanujan, the Department of Mathematics organized a Winter Festival of Mathematics ‘TAUTOLOGY 2011’ from the 19<sup>th</sup> to 22<sup>nd</sup> December 2011. The Lecture Competition, Project Competition, the Poster Competition and the SUDOKU Competition received an overwhelming response from the students. The Festival included a Popular Lecture by Prin. Dr. M. M. Andar on ‘Leonhard Euler and his Contributions to Mathematics’.

#### Department of Marathi

- The Department organized Essay, Story and Poetry writing competition.

#### Department of Philosophy

- The Department of Philosophy organized a seminar on “The relevance of Philosophy in today’s life”, on 30<sup>th</sup> September 2011;

#### Department of Physics

- The Wadians Physics Association (WPA) held its lecture – series day on 13 January 2012. Two eminent scientists, Prof. (Mrs) S.V. Bhoraskar, CSIR Emeritus Scientist, Department of Physics, Savitribai Phule Pune University (formerly known as University of Pune) and Prof. C. V. Dharmadhikari, Scientists IISER, Pune, were invited as guest – speakers. The staff and the students benefited greatly from these lectures.

#### Department of Psychology

- The department invited a number of NGO’s like Akanksha, Childology Update and Parivartan for the placement of students in their training programs, providing them career opportunities in Psychology. Mrs Melinda Parker, Educationist and Member of ‘Gyanankur Educationist Trust’ visited the department to orient the students about ‘Gyanankur’ and provide them with career opportunities. The screening of a documentary “A drop of sunshine” on the life experiences of a schizophrenic was arranged for the P.G students on 13<sup>th</sup> January 2012. The Department of

Psychology is closely associated with the NGO: 'Reach out to Life', working to create awareness about suicide prevention.

#### Department of Zoology

- A two-day intercollege Zoology fest, "Zooplanet 2012", was organized on the 13<sup>th</sup> and 14<sup>th</sup> January 2012. On 13<sup>th</sup> January the students of N. Wadia College and other colleges of Pune participated in events such as presentation of scientific models, posters, wild life photography, essay writing and rangoli competitions.

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

##### CTSE

- MTS Examination : Maharashtra Talent Search Examination is conducted in four different states in India, namely, Maharashtra, Goa, Gujarat and Karnataka. More than one lakh students appeared for the examination during the year 2011-2012. Due to this examination Maharashtra is leading in the result of N.T.S. Examination conducted by N. C. E. R. T. at the national level. Students from 3686 schools appeared for the examination. There were 682 centres of examination across four states. Interviews of 2328 students from Std. 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> were conducted.
- Following table gives the information about the number of students appearing from different states.

Year	Maharashtra	Goa	Gujarat	Karnataka
2012	1,06,657	572	102	94

- The number of students who have been awarded different prizes in Maharashtra Talent Search Examination is given in the following table.

Year	State Prize	District Prize	Special Prize	Taluka Prize	Consolation Prize	Total Students
2011	1323	1811	1336	2193	3003	9666

- Graduate Excellence Examination is conducted for the students of F. Y., S. Y. and T. Y. students of all the streams so as to prepare for all the competitive examinations which the students have to face after graduation such as UPSC, MPSC, CAT, CET, CDS, SSB GRE etc. at the state level as well as national and international level. Through these examinations an ability and confidence will boost up and level of competence will be increased. 931 students from 46 colleges appeared for the GEE in Feb 2012.
- Ambedkar Competitive Examination Centre (ACEC), "YASHADA" is conducting a special coaching program for graduate students from Maharashtra to prepare to appear for UPSC Examination. This program is conducted for 60 students mostly from SC, ST category and 10 students from Minority Sector. The C.T.S.E. sets the question papers, get it printed and conduct the examination at different examination centres all over Maharashtra. A list of selected students selected for UPSC training as per the norms set by ACEC, YASHADA and also the waiting list

is handed over to them for further action. 5160 students appeared for the examination at 11 centres in 2011.

- The Women's Forum organized several programs round the year to inculcate values of Gender Equality, Social Responsibility and Health issues
- Samata Mandal: The prime objective of the Samata Mandal is to inculcate the principles of equality among youth propagated by great social reformers like Mahatma Phule, Rajarshri Shahu Maharaj and Dr Babasaheb Ambedkar. This year the inaugural function had renowned Novelist and thinker Dr Rajan Khan as the chief guest in Sept 2011. Samata Mandal celebrated the Birth Anniversary of Mahatma Phule. On this occasion, the Chief guest Prin. Dr M.M. Andar paid rich tributes to the efforts of Savitribai Phule and Mahatma Phule for the upliftment of women and downtrodden people. Also on the occasion of the Birth Anniversary of Chatrapati Shivaji Maharaj, Prin. Deopurkar recited his poems. Vice – Principal Dr S. L. Bonde expressed his opinions on this occasion.
- Mahatma Phule Adhyasana organized a talk by Shri Mukund Sangoram, Editor of a daily newspaper Loksatta. He highlighted the immense contribution of Mahatma Phule to the Society and its significance in contemporary times.
- There is a Louis Braille Writer's Club in college where other students help blind students by being writers for their exams. These students also go to other colleges to help the blind students there to write their examinations.
- The Debating Society of the College conducted the following activities:
  - 1) Elocution Competition.
  - 2) An Extempore Speech Competition.
  - 3) The prestigious Annual Inter-collegiate H. H. The Raja of Sangli's Gokhale Cup Elocution Competition.

## Criterion – IV

### 4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	17.6 acres	--	--	17.6 acres
Class rooms	48	--	--	48
Laboratories	47	--	--	47
Seminar Halls	01	--	--	01

No. of important equipment's purchased ( $\geq$ 1 lakh) during the current year.		07	Self-Financing+BCUD Research+DRDO	
Value of the equipment purchased during the year (Rs) <b>(Fixed Assets A/c)</b>		35,49,494		
Others(Furniture, Fixtures, Library Books) (in Rs.) <b>(Fixed Assets A/c)</b>		19,07,088	Self Financing+ BCUD/UGC Research Grant	
Assembly Hall	01			01
Gymkhana	01			01
PG Library	01			01
Lady's Room	01			01
Green House	01			01
Botanical Garden	01			01
Hostel for Girls & Boys	02			02
Canteen	01			01
Dispensary	01			01
Stationery Shop	01			01
Parking	01			01
Room for visually challenged	01			01

#### 4.2 Computerization of administration and library

- The College has a very big library with more than 1 lakh books
- 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.
- The result process for F.Y.B.Sc. has been computerized.

#### 4.3 Library services:



	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books & Reference Books	109130	--	1236	6,65,853	1010366	--
e-Books		--	-			--
Journals		--	11			--
e-Journals		--				--
Digital Database		--				--
CD & Video		--				--
Others (specify)		--	39			--

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

#### 4.4 Technology up gradation

	Total Computers	Computer Labs	Internet Connections	Browsing Centres	Computer Centres	Office	Depts.	Others
Existing	359	13	2	13	1	12+7+5	335	3
Added	3	0	0	0	0	0	3	0
Total	362	13	2	13	1	24	338	3

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

- The college provides internet facility with a **4 MBPS dedicated connection from Reliance Communications.**
- 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.
- The college has the following connections:
  - **Reliance WiMax 1.5** dedicated internet connection
  - **WiFi facility**
- M. Sc.. Computer Science Laboratory has a separate **WiFi facility (This financial data is according to financial year)**

4.6 Amount spent on maintenance:

i) ICT (in Rs.)

**(Internet, software and maintenance A/c)**

5,76,166/-  
+6,34,615/-

ii) Campus Infrastructure and facilities (in Rs.)

**(Repairs and maintenance A/c)**

41,41,171/-  
+4,11,014/-

iii) Equipment **(Lab expense A/c) (in Rs.)**

28,01,897/-

iv) Others **(Sanitation and Cleaning A/c) (in Rs.)**

3,73,736/-  
+22,224/-

**Total : (in Rs.)**

**89,60,823/-**

## **Criterion – V**

### **5. Student Support and Progression**

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

IQAC is contemplating an on-line admission system and has begun working on the modalities already.

#### **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 also on the college website. In addition the same is conveyed through student-teacher interaction at the classroom and departmental-level and also through periodic meetings with the Students' Council:

- Scholarships and free-ships available for various categories of students
- Reservation of seats for specific categories of students
- Students' Aid Fund
- Samata Mandal : For promoting the ideals of social and economic equality
- Earn and Learn Scheme
- Support for Physically Challenged Students
- Debating Association

- Medical Assistance for students: Compulsory health check-up; Health Centre on the campus. Doctor available in Health Centre on the campus.
- Organising Coaching classes for competitive Examinations

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

UG: (2579 Grant, 597 Non Grant)

PG: 1078

Ph.D: Nil

(b) No. of students outside the state: 257 (Grant) + 106 (Non Grant)

(c) No. of international students: 92(G) + 49(NG) = 141

Men: 1458 (G) + 775 (NG) Women: 1121 (G) + 907 (NG)

Men	No	%	Women	No	%
	2233	52		2028	48

	Last Year 2010-11						This Year 2011-12					
	General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
Grant	1467	494	33	467	13	<b>2461</b>	1590	453	46	490	11	<b>2579</b>
Non Grant	1110	168	16	334	-	1754	974	18	18	234	-	<b>1682</b>

Demand Ratio:

Sr No.	Course Name	No. of Applications Received	Intake Capacity	Demand Ratio
<b>UG</b>				
1	F.Y.B.Sc	503	480	1 : 1.05
2	F.Y.B.A.	646	600	1 : 1.07
3	F.Y.B.Sc Computer Science	1127	160	1 : 7.04
4	F.Y.B.Sc Biotechnology	204	45	1 : 4.53
<b>PG</b>				
1	M. Sc. Electronics	30	24	1 : 1.25
2	M. Sc. Physics	62	24	1 : 2.58
3	M. Sc. Petroleum Technology (Applied)	87	48	1 : 1.81
4	M. Sc. Geography	47	24	1 : 1.95
5	M. Sc. Chemistry	631	168	1 : 3.76
6	M. Sc. Zoology	42	24	1 : 1.75

7	M. Sc. Botany	20	24	1 :0.83
8	M. Sc. Computer Science	1712	60	1 :28.53
9	M.C.A.(Science)		60	
10	M.Tech ( Industrial Mathematics with Computer Applications)	250	30	1 :8.33
11	M.A.English	71	60	1 :1.18
12	M.A.Economics	110	60	1 : 1.83
13	M.A.Psychology	65	24	1 : 2.71

#### Drop Out Percentage for the year 2011-2012

Sr No.	Course Name	Fail/Not Appeared Students	Total Number of Students	Drop out %
<b>UG</b>				
1	F.Y.B.Sc Computer Science	9	157	5.732484
<b>PG</b>				
1	M.Sc Chemistry	2	227	0.881057
2	M.Sc Physics	1	42	2.380952
3	M.Sc Botany	2	5	40
4	M.A.English	3	86	3.488372
5	M.A.Economics	2	123	1.626016
<b>Total</b>		<b>19</b>	<b>640</b>	<b>2.96875</b>

Sr No.	Course Name	Total Students	Dropout %
1	FYBA	646	2.786377709
2	FYBSc	503	8.349900596
3	SYBA	461	0.867678959
4	SYBSc	354	0.847457627
5	TYBA	356	0
6	TYBSc	259	0
		2579	2.597906165

#### 5.4 Details of student support mechanism for preparing and coaching them for competitive examinations (If any)

- 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 and other competitive examinations. There are three different examinations for students of first, second year and third year students. The students who qualify are awarded a scholarship There are three parts to this examination: i) Written test ii) Group discussion iii) Personal Interview. The group discussion and personal interview is focussed more towards preparing the student for similar encounters in his future. Teachers of our college are involved in conducting the examination and assessment.

- Many teachers provide career counselling to the students in the classrooms

No. of student beneficiaries 

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

NET	00	SET/SLET	00	GATE	00	CAT	00
IAS/IPS etc.	00	State PSC	00	UPSC	00	Others	00

### 5.6 Details of student counselling and career guidance

- The Disha Counselling Centre handles various cases of students showing unusual behavioural pattern – remaining absent, misbehaving in class, etc.
- The Department of Mathematics trained students for the Madhava Mathematics Competition, IIT JAM and University Entrance Examination.
- 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 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. The annual technical fest, ‘TechQriosity’ 12 was organized on 25<sup>th</sup>February 2012. More than 250 postgraduate students from all over Pune attended the event.
- Mentoring activity – every faculty member interacts closely with a few students throughout the year mentoring them. Technical experts are invited to mentor students’ projects by providing inputs on new technologies and methodologies.
- Projects at UG & PG level inculcate the habit of independent thinking, teamwork and the ability to face challenges
- Wall magazines like ‘INFO FOCUS’ bring about awareness regarding latest technological developments.

**No. of students benefitted:**

- Personal counselling – about 20 (Psychological)
- TechQriosity – 250
- Project Mentoring – All final year BSc and second year MSc students having Project as a regular course in the curriculum

**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
--	--	--	31 out of 36 M. Sc. (Petrotech)

A total of 31 out of 36 students of M. Sc. (Petrotech) have been placed in renowned companies such as Petrolink, CYRATRON, Halliburton India, Weatherford, Schlumberger, Baker Hughes, MI Swaco, Arabian Petroleum, ACK College, Yennai Hydrocarbon etc.

**5.8 Details of gender sensitization programs**

The main objective of the Women’s Forum is to prepare women of the 21st century to face the challenges of life more efficiently and effectively by organizing various workshops and training sessions.

**5.9 Students Activities**

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

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

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

Sports: State/ University level  National level  International level

Cultural: State/ University level  National level  International level

**5.10 Scholarships and Financial Support**

	Number of students	Amount in Rs.
Financial support from institution	121	59910
Financial support from government	1205+ 56	1107745+ 1299931
Financial support from other sources	--	--
Number of students who received International/ National recognitions	120	4329005

**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

**TechQriosity – seminar event** completely organized by PG students every year

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

A number of social initiatives are undertaken by NSS volunteers every year. Many students enrol as writers 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

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

The departments build a special rapport with students and ensure that there are no major grievances. Minor grievances like change of practical batch, change of division, change of project group are always looked after by concerned faculty members immediately.

## **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 “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 their respective fields
- To promote industry – institution interaction
- To generate resources
- To encourage alumni activity
- To encourage students to become good, responsible and broad minded citizens equipped with knowledge and moral values for meeting the needs of society at large.

#### **6.2 Does the Institution have a Management Information System**

Trial runs of the software, indigenously developed by the Department of Computer Science to assists the college admission, examination and result process, are being conducted. The software should make it possible to obtain detailed reports regarding various aspects of students’ progress. A year wise / department wise analysis of students’ result will be 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 Savitribai Phule Pune University (formerly known as University of Pune). Dr. Mrs. S. C. Shirwaikar, Head

Department of Computer Science is Member, Board of Studies, Savitribai Phule Pune University (formerly known as University of Pune) in Computer Science. Dr. U. D. Kulkarni,



Head Department of Geology and Dr. I. F. Khan are Member, Board of Studies, University of Pune in Geology. Dr. R. R. Sakhare, Librarian, has been nominated Member, Board of Studies, University of Pune in Library and Information Sciences.

- Teachers are encouraged to participate in Syllabi designing/ restructuring workshops conducted by the University. Faculty members of the department are actively involved in planning and execution of the syllabi
- Heads of Departments review academic activities of their Departments and guide staff accordingly

### **6.3.2 Teaching and Learning**

- The Standing Committee, the Local Managing Committee and the Heads of Departments together monitor the teaching-learning process in the College
- Most teachers prepare Study Notes for the students and some of them upload it on the internet for easy sharing with the students
- Some teachers prepare skill-specific hand-outs for the students and share those on their websites
- Some teachers maintain their own websites to assist the teaching-learning process; they also upload their PPTs and notes on slide-share for easy access for their students
- Class room attendance is taken daily and a list of defaulters is put up periodically.
- Guest Lectures by eminent personalities are organised periodically by different departments for motivating the students to give them a taste of what's going on in frontline science.
- The college has established regular contact with renowned Institutes like NCL, CMET, IITM and IUCCA which the PG students visit regularly for their project work. The students are thereby exposed to research methodology and use of special instruments and facilities
- Use of Quiz and Crosswords for different subjects is made along with regular teaching to make learning of the subject enjoyable.

### **6.3.3 Examination and Evaluation**

- The Senior College Examination Committee looks after all aspects of the Examinations
- 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.

- After every examination the paper setters write model answers to the questions before checking the answer sheets.
- Many of the teaching Staff Members from the college are involved in Paper setting and Assessment Panels of the Savitribai Phule Pune University (formerly known as University of Pune).

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

- Many of our faculty members are recognised Ph. D. and M. Phil guides in Savitribai Phule Pune University (formerly known as University of Pune) and are actively involved in guiding students as well as teacher-fellows. Several Departments of the college like Chemistry, Physics, Geography and Geology are Savitribai Phule Pune University (formerly known as University of Pune) recognized Research Centres where candidates can register carry out research leading to their MPhil and PhD degrees.
- 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
- To encourage students for innovation in Science & Technology and for improvement in their research and development skills, students are motivated to participate in “Avishkar” a State Level Inter- University Research Project Competition for UG/PG/ Doctoral students.

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

- There is sufficient Provision in the College Budget for purchase of latest books etc. and the stipulated budget is utilised before the end of the financial year. The Library Committee monitors purchase of books, journals, encyclopaedias, e-books and e-journals
- Each department has a separate Purchase Committee which monitors the requirements of their Department, procures and processes quotations and recommends to the Principal to issue Purchase Orders for equipment etc. required by their department
- Wi Fi facility is provided to PG students. This helped them a lot in their project work and assignments.
- Most of the PG lectures are conducted using Power Point presentations. L C D projectors are available in several departments.
- Some of the teachers share their Lecture notes with the PG students on the internet

- Some teachers give Assignments to their students by sending a group email to the students
- Computerized Attendance System is developed in-house and is regularly used by some of the departments to maintain students' attendance for lectures throughout the year
- Several Free Software are downloaded for the use of staff and students in the Mathematics department. Several other departments also follow this practice.
- 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
- 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.

#### **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.
- 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
- When new faculty members join a department, the senior staff members discuss assignments, laboratory experiments, and explanation with them and ensure that students get correct and sufficient guidance regarding newly introduced concepts in the syllabus.

- Coordinators for- Examination Committee, UGC Committee, Admissions Committee, Arts Circle, Students' Welfare, NSS, NCC, Anti-Ragging Cell, Samata Mandal, Women's Cell, Staff Academy, Vigilance Committee, Gymkhana Committee, Discipline Committee, ensure smooth functioning of the college
- To encourage and appreciate the good work done by the teachers, felicitation of teachers for excellence in work at the time of Scholar's Day and Gymkhana Day is carried out. Dr. M. V. Gokhale award and the Platinum Jubilee award have been specifically instituted for this purpose.

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

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

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

- 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.
- Industry professionals are included as judges for different competitions
- Industry experts are invited for guest lectures, seminars, workshops etc

### **6.3.9 Admission of Students**

- Admission of students is done entirely based on Merit and reservation criteria and there is complete transparency in the entire process
- All 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. The admission for UG Biotechnology is on the basis of entrance examination.

- 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.

#### **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 upto Rs. 8,00,000/- @ 11% interest
- The Employees can also invest money in the Society in Fixed Deposits/ Recurring Deposits and get better returns than other non-equity financial products in the market
- Free of charge Gymnasium is made available for Staff and Students
- Free of charge Dispensary on the campus is made available for Staff
- The non-teaching staff working in various Laboratories are given adequate training in Laboratory And Equipment Maintenance to ensure safety of one and all concerned. They are also provided shoes for security purpose in laboratories.

##### **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 challenged students
- The college helped socially and economically backward students for getting various scholarships.
- 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: None**

#### **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 declares results within 30 days? N. A.

- For UG Programs: NA
- For PG Programs: NA
- Revised Guidelines of IQAC and submission of AQAR Page 43

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

The University is increasing the number of examiners for various subjects and also trying to computerize the entire system.

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

### 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.
- Several alumni have come forward and instituted prizes for merit holders and other students. These prizes are given away during the Scholars' Day and Gymkhana Day **Prize Distributions.**
  - Tree plantation programs are carried out on the campus.
  - Participation in Blood Donation Camps in association with NSS/NCC.
  - Organizes and sponsors inter district ball badminton.
  - Deliver talks at the NSS Camps.
  - Alumni meet take place on a department basis annually.
  - Some prominent sportspersons who are alumni provide coaching in sports to the students.

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

PTA meetings are often held. The Bio Tech and Computer science department have a regular feedback system of the students. 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 programs 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 go in for Spoken English and Business English courses which are held at the

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

- The campus is very green and beautiful. Periodically tree plantation is carried out to increase the green cover even further.
- Rain Water Harvesting has been done on 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  
Lectures are arranged for students as well as staff to increase awareness regarding the Environment

## **Criterion – VII**

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

- Department of Psychology conducted a Stress Management program for the faculty members of Nowrosjee Wadia College.
- The Wadian Physics Association (WPA) held its lecture-series which benefited the staff and the students.
- The faculty have encouraged discussions, made use of audio-visual mode and presentation mode of study to clarify concepts better.
- Several Faculty members enrolled for Ph. D. in their respective subjects.
- Departmental activities such as Research Club of the Department of English and Academic Club of the department of Economics have stimulated research environment in the college.

- Students are participating in Research Seminars and also Research Projects along with the faculty of their Department.

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

Periodic meetings of IQAC have taken place with the staff and appropriate corrective action has been taken at appropriate time.

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

- Hand-outs, presentations, solutions to the class assignments and research papers portraying advancement in the field are uploaded on slide share and Google websites to enhance student-teacher interaction.
- The faculty in the college is actively involved in training programs by CTSE to help the students prepare for various competitive examinations such as MTS, GEE etc. Maharashtra State has shown very positive results in the increase in the number of students selected at the NTSE after the training for MTS was introduced. Over a period of next few years similar results are expected at the MPSC/UPSC examinations.

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

- Rain water harvesting- The college has been implementing rain water harvesting project for some years now. Barring drinking water requirements, this project has taken care of all the campus water requirements.
- Tree plantation - Tree plantations were carried out on several occasions during the year
- Campus cleanliness drive – Campus cleanliness drive were carried out on several occasions during the year.
- The college campus has artificial bird nests to promote the preservation of various species of birds.
- In conjunction with the other Institutions on Campus, compost pits have been constructed behind the College ground for waste recycling etc.

**7.5 Whether environmental audit was conducted?            No**

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

##### **Strengths-**

- The Electro-Acoustics Research Laboratory was setup in the Department of Physics by Late Dr. H. V. Modak, as early as 1971. The Laboratory has the unique distinction of being recognized by the Savitribai Phule Pune University (formerly known as University of Pune) as the first ever centre for research, outside its campus, leading to Ph.D and M.Phil degrees. The Laboratory now qualifies to conduct research in Overtone Dynamics and Percussion Acoustics. Four candidates have obtained their Ph.D and three their M.Phil degrees from this Laboratory. The degrees were



awarded by the Savitribai Phule Pune University (formerly known as University of Pune). The lab has the distinction of its PhD students being recipients of the prestigious Fulbright and Marie Curie fellowships.

- Cell for atrocities and Harassment against Women and Anti-Ragging committees are in place.
- Mentoring programs are conducted for better student-teacher interaction.
- Most of the Faculty from the college have been appointed by Savitribai Phule Pune University (formerly known as University of Pune) 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.
- There is a Post Office on the campus and Banking Facility is also available within the campus.
- The college boasts of a very big library with over one lakh books. Also many of the departments have their independent library. A huge reading room and separate reading cubicles for staff.
- The facilities of the dispensary on the campus can be availed by students and staff free of cost.
- The college attracts a large number of International students from various countries. The college has a Foreign Students Forum, which guides and helps the foreign students to showcase their talents and provides our young students with a better understanding and tolerance of diverse cultures.
- Staff members from several departments have published books on their respective subject matter.
- Many faculty-members are the members of BOS, MTS exam committee and paper setting committee for YASHADA exams. Some faculty members are a part of invigilation squad for university exam and subject experts in Ph. D. selection committees.
- Many staff members are also working for social cause. They are associated with the working and funding of various NGOs which cater to educate the under privileged children, spread awareness about suicide prevention etc.
- Dr. S. C. Shirwaikar is Member of Board of Studies in Computer Science. Dr. U. D. Kulkarni and Dr. I. A. Khan are Member of Board of Studies in Geology. Dr. R. R. Sakhare is Member of Board of Studies in Library and Information Science.

- Some of the faculty members from the Computer Science department are engaged in preparing lab books used by all Computer Science (UG) students of Savitribai Phule Pune University (formerly known as University of Pune).
- Several staff members are working on their minor and major research projects. Vikas Jadhav, Department of Mathematics is on (UGC- FIP) to complete his Ph.D.
- Dr. Aditi Phadke from Department of Mathematics worked as a Regional Co-ordinator for the Maharashtra and Goa Region for the Regional and Indian National Mathematical Olympiad Examinations (RMO and INMO).
- The college is successfully conducting Gokhale Cup Elocution Competition for more than 50 years.

#### **Weaknesses-**

- Being an affiliated college and no autonomy, the course contents do not match exactly the demands of Industry and Society.
- Limited hostel facility
- Canteen and student's mess facilities could be better
- Limited number of Research Journals and limited Infrastructural facilities for Research.
- Lack of facilities to make regular use of power point presentations for teaching as only some of the classrooms and laboratories are equipped with these facilities.

#### **Opportunities-**

- Academic Autonomy
- International Collaborations
- Increasing awareness about patents.
- Encouraging the faculty to work on major and minor research projects.
- Encouraging faculty to arrange seminars, workshops, conferences and to obtain the grants for the same
- Encouraging linkages with Industry.
- Encouraging Interdisciplinary Research.

#### **Challenges-**

- Privatization in the field- Umpteen numbers of private institutions are being sanctioned which have autonomy to develop their own syllabus which suits the current company requirements. In such a scenario the contemporary education has a drawback.

- Over all lack of interest of students in the basic Sciences and in Humanities- Keeping up the spirits of the students and making them motivated in the educational arena is a great challenge faced by most of the institutes.
- Sustenance of quality of education- The institution should take utmost care in sustaining the quality of education by promoting new teaching and learning techniques like audio-visual technique and also keeping the students abreast with the current trends in their respective fields.

## **8. Plans of the institution for next year**

### **A. Infrastructure Development-**

- The roads of the college campus will be repaired and maintained.
- Old computers and their configurations will be upgraded to recent configuration.
- Providing specialized equipment, apparatus and materials for various departmental laboratories.

### **B. Academics**

- Few departments would organize seminars and workshops. In fact the planning of a conference on the confluence of computer science with other sciences is in progress in the college.
- This conference will initiate Interdisciplinary Research among the faculty.
- Starting Bridge courses for weak students.

### **C. Extra-curricular and Co-curricular**

- Strengthening the placement activity on the campus.
- Initiation and continuity of departmental fests

### **D. Environmental Related-**

- Carry out Energy and Environment Audits.
- Paper-less, eco-friendly inter-departmental communication.

### **E. Alumni-**

- Registration of Wadians' Association

### **F. Social Initiatives and Extension Activities-**

- The college to take up a few more tie ups with various NGOs and similar organisations to initiate social services.
- The college plans to adopt some village for its betterment.

### **Annexure I**

**Ph.D. Programs** (The number of Ph. D. Programs shown here is indicative of the number of recognized research centres in the college. There are however recognized research guides in 10 departments in all)

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

### **Annexure II**

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

1. M. Sc. Computer Science
2. M. Tech (Industrial Mathematics with Computer Applications)
3. Master of Computer Applications(Science)
4. M. Sc.. Physical Chemistry (Aided /Unaided)
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**

#### **Arts Faculty**

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

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

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

1. Hindi
2. Marathi
3. Optional English
4. French
5. Mathematics General
6. Applied Mathematics
7. Industrial Mathematics
8. Mathematical Statistics
9. Descriptive Statistics
10. Geography
11. Philosophy
12. Logic and Methodology of Science
13. Defence and Strategic Studies

**Science Faculty**

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

- 1) Mathematics
- 2) Physics
- 3) Chemistry
- 4) Zoology
- 5) Geology
- 6) Electronics Science
- 7) Botany (F. Y. And S. Y. Are Aided while T. Y. is Unaided)

**Subjects only up to S Y Level (Not included in the count of the UG Programs)**

- 1) Geography
- 2) Industrial Chemistry
- 3) Electronics Equipment Maintenance
- 4) Environment Awareness Program (Compulsory Subject at S.Y.B.Sc. level)

**UG 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)**

##### 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 (formerly known as University of Pune).

Our PG courses consist of Electives, prescribed by the Savitribai Phule Pune University (formerly known as University of Pune), thereby providing flexibility in the curriculum. The Departments offer some elective courses at U.G. level.

##### (ii) Pattern of programs:

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

- For the UG Science programs the First Year follows the Annual Pattern whereas the second and third year follows the Semester Pattern. For the UG Arts Programs, the Annual Pattern is followed for all three years.
- For the PG programs, the Semester Pattern is followed for all the subjects.

##### 1.3

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

##### 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 P.G. syllabus is revised once in 3 years and U.G. syllabus is revised once in 5 years. Some Departmental courses in P. G. are solely designed by the faculty having the expertise in the subject. Subsequently the syllabus is examined and approved by the BOS. The course is then incorporated in the curriculum of the respective P.G. degree program by the University.

##### 1.5 Any new Department/Centre introduced during the year. If yes, give details: NA

## Annexure\_2.5

### Faculty participation in conferences and symposia:

#### Department of Botany

- Dr. S. Y. Ahire presented a Poster in International Conference on Business Opportunities in Life Sciences. at Modern College of Arts, Science and Commerce during 28<sup>th</sup> – 30<sup>th</sup> January 2012.
- Dr. A. S. Limaye attended 21<sup>st</sup> APSI Scientists Meet- 2012 and National Conference on ‘Recent Trends in Plant Sciences’ and Presented paper orally entitled “Assessment of *Oxaliscorniculata* L. for enzymatic and non-enzymatic antioxidants.” dated 3<sup>rd</sup> to 5<sup>th</sup> February 2012 at T. C. College, Baramati, Pune. The conference was funded by APSI.
- K. S. Bhosale attended Regional Research Conference on 26<sup>th</sup> and 27<sup>th</sup> March 2012 at BJS, Arts, Science & Commerce College. The regional conference was funded by BCUD, University of Pune.

#### Department of Chemistry

- Dr. V. V. Chabukswar presented a paper entitled “Poly (N-propylaniline): unique polymer nano particle sensor for Hydrogen Sulphide gas detection” in a National conference on Perspectives of Chemical sciences held at Modern College, Pune from 23 to 25th Feb. 2012.
- Dr. V. V. Chabukswar presented a paper entitled “Academic Industry Interaction hopes and promises” in a National conference on Opportunities and challenges in higher education held at H.V.Desai College Pune from 30th Nov. to 2nd Dec. 2011.
- Dr. V.V. Chabukswar presented a paper entitled “Conducting Poly(N- propylaniline) nanoparticles useful for the detection of Hydrogen Sulfide gas” in International Symposium on Physics and Technology of Sensor – ISPTS-1 held at C-MET, Pune during March 8-10, 2012. This conference was organized by C-MET , DIAT& NCL.
- Dr. V. V. Chabukswar presented a paper entitled “Synthesis and characterization of Poly(N- ethylaniline nanoparticles and its applications as ammonia sensor” in an International Conferences on Advanced Materials held from 21 to 23 Oct. 2011 at Nepal. This Conference was organized by Polymer Technology, Nepal.
- Dr. V. V. Chabukswar presented a paper entitled “Synthesis of ZnO nanoparticles by using Biopolymer materials and application as alcohol vapor sensor” in Kathmandu Symposia on Advanced Materials 2012 (KaSAM – 2012) held from May 9-12, 2012, Kathmandu, Nepal. This Symposium was organized by Polymer Technology, Nepal.

- Dr. V. V. Chabukswar presented a paper entitled “Conducting chitosan graft Poly (N-ethylaniline) nanoparticles and its applications as Biological active material” in Kathmandu Symposia on Advanced Materials 2012 (KαSAM – 2012) held from May 9-12, 2012, Kathmandu, Nepal. This Symposium was organized by Polymer Technology, Nepal.
- Dr. V. V. Chabukswar presented a paper entitled “Progress in Synthesis processing and applications of conducting polymer” in Kathmandu Symposia on Advanced Materials 2012 (KαSAM – 2012) held from May 9-12, 2012, Kathmandu, Nepal. This Symposium was organized by Polymer Technology, Nepal.
- Y. M. Nandurkar presented a paper entitled “Assessment of groundwater quality for drinking and irrigation purpose in the region of confluence of Bhima and Mula-Mutha rivers” at an International Conference “Multidisciplinary approaches in applied geology” organized by Gopal Krishna Gokhale College, Kolhapur.

#### Department of English

- Jayant Salve presented a paper entitled ‘English Language Learning- The Indian Reality’ in a three day international conference on ‘Teaching English To Speakers of Other Languages(TESOL) held at Shardabai Pawar College, Baramati from 2<sup>nd</sup> to 4<sup>th</sup> Dec 2011.
- S. V. Bankar presented a paper entitled “Multicultural Discourse in the Short Stories of Diasporic Women Writers” in “Interdisciplinary Approaches in Management, Humanities, Social Sciences and Languages” held from 13-15 Feb 2012 at BRD Mahila Mahavidyalaya Nashik. This national conference was sponsored by University of Pune.

#### Department of Geology

- Dr. U. D. Kulkarni attended a conference Innovations, 2012 Regional Research Conference, Pune, and gave a lecture on “Environmental Aspects of Flood Hazards due to the River Jhelum and its mitigation measures” held on 26-27, March, 2012. This local conference was funded by BCUD.
- Sangita Pachkhande attended XXIII Indian Colloquium on Micropaleontology and Stratigraphy (ICMS) & International Symposium on Global Bioevents in the Earth History and presented a paper entitled “Foraminifera from the Savitri Estuary, west coast, Maharashtra” at Department of Geology, Bangalore University, Bangalore in association with Geological Society of India, Bangalore from 9-11 Dec. 2011. This National Conference was funded by GSI.

#### Department of Physics



- Dr. F. I. Surve attended a Regional Research Conference in Science ‘Utilizing impact noise decay characteristics to investigate overtone dynamics for clamping localization in building construction’ – a BCUD UoP Initiative (Innovation 2012) held on 26<sup>th</sup> Mar. 2012.
- Dr. L. M. Chaudhari presented a paper entitled “Linear and mass attenuation coefficients of gamma radiations for various particle densities of soil samples from Nanded (Maharashtra) and Bidar District of India at 123 to 1130keV” at a National Conference from 3-7<sup>th</sup> Jan. 2012 held at KIIT University, Bhubanesher. This National conference was sponsored by DST/HRD.
- Dr. L. M. Chaudhari attended “Forensic parameter measurements by nuclear radiation techniques” from 26<sup>th</sup>-27<sup>th</sup> April 2012 held at BJS’s Arts, Commerce and Science College, Wagholi, Pune. This Regional conference was sponsored by BCUD, P.U.Pune.
- Dr. G. R. Aher attended 17<sup>th</sup> National Space Science Symposium (NSSS-2012) from February 14-17, 2012 held at Sri Venkateswara University, Tirupati. The National Symposium was sponsored by ISRO, Bangalore.

#### Department of Psychology

- Dr. Borkar participated in one-day National Conference on ‘Understanding Caste’ on 22<sup>nd</sup> March 2011 in S.P. College, Pune.

#### Department of Zoology

- S. Kudale attended a three days national level conference on “Biodiversity Assessment, conservation and utilization” from 9<sup>th</sup> to 11<sup>th</sup> February 2012 held at Maharashtra Education societies; Abasaheb Garware College, Pune in association with BIAF Development Research Foundation, Pune. The conference was funded by BIAF Development Research Foundation, Pune. She presented a paper entitled “Avian diversity of Baramati Dist. Pune, Maharashtra”.
- Dr. Usha Ashtekar attended International Conference on Business Opportunities in Life Sciences from 28<sup>th</sup> to 30<sup>th</sup> Jan. 2012 held at Modern College of Arts Science & Commerce, Shivajinagar Pune -5.
- Dr. R. M. Pawar participated in the “National Conference on Recent Trends in Life Science with Special Reference to Animal Physiology, Biotechnology and Biodiversity” organized by P. G. Dept. of Zoology, S. G. M. College, Karad Dist. Satara (M. S.) held on 19<sup>th</sup> to 20<sup>th</sup> Oct. 2011 in collaboration with Association of Zoologist, India and ZOOPASTA.

- Dr. R. M. Pawar presented a paper in the National conference on “Recent Trends in Life Sciences with special Emphasis on Environmental Pollution and their Application in Conservation of Aquatic Life” organized by Dept. of Zoology, E. S. Divekar College Varvand (Pune) from 15<sup>th</sup> to 17<sup>th</sup> March, 2012.
- Dr. S. B. Waghmare presented a paper entitled "Taxonomic evaluation of a new fish tapeworm, *Gangesia shivajiraoi* Sp. Nov. from a freshwater fish Wallago attu of Marathwada Region (M.S.) India with revised key to species of Genus Gangesia" in the National conference on Recent Trends in Life Sciences With special Emphasis on Environmental pollution and their Application in Conservation of Aquatic life” organized by E. S. Divekar College Varwand (Pune) From 15<sup>th</sup> to 17<sup>th</sup> March 2012.
- Dr. S. B. Waghmare participated in the National Conference on “Recent Trends in Life Sciences with Special References to Animal Physiology, Biotechnology and Biodiversity” held at P.G. Department of Zoology, S.G.M. College, Karad Dist. Satara (M.S.) on 19th and 20th Oct 2011. This National Conference was funded by U.G.C.
- Kanchan Phatak participated in National conference on “Advances in Life Sciences For Sustainable Rural Development” held at S. Khandelwal College, Akola on 11 and 12 October 2011 and presented a poster entitled “Study of Effects of Monosodium Glutamate on *Drosophila melanogaster*”.
- Kanchan Phatak participated in National conference on “Recent trends in Life Sciences with Special Reference to Animal Physiology, Biotechnology and Biodiversity” at S. G. M. College, Karad held from 19 and 20 October 2011 and presented paper entitled “Study of *In Vitro* Antibacterial activity of some Medicinal plants against the bacterial strain- *Alcaligene*”
- Kanchan Phatak participated in International Conference on “Business Opportunities in Life Sciences” at Modern College of Arts, Sciences, Commerce, Shivajinagar, Pune from 28 – 30 January 2012 and presented a poster entitled “Study of Effects of Chlormequat Chloride on *Drosophila melanogaster*”.

#### Department of Mathematics

- N. D. Mundlik presented a paper “On Primary Ideals in Lattices” at the 77th Annual conference of Indian Mathematical Society held from 27-30 Dec. 2011 at SRTM University Nanded. This national conference was funded by UGC.
- Dr. A.S. Phadke was part of the Local Organizing Committee for a conference ‘National Initiative in Mathematics education (NIME West)’ held at IISER, Pune from 26<sup>th</sup> Dec. 2011 to 28<sup>th</sup> Dec. 2011. She participated in a panel discussion on ‘Undergraduate and Postgraduate teaching of Mathematics’ in this conference.

#### Department of Biotechnology

- S. B. Deokar participated in a State level conference on Microbiology in 21<sup>st</sup> Century held on 25<sup>th</sup> & 26<sup>th</sup> Feb-2011 at Modern College of Arts, Science and Commerce.

#### Department of Geography

- Dr. Ujjwala Khare attended a State Level Conference Urban Sprawl and Geomorphology held on 1<sup>st</sup> and 2<sup>nd</sup> March 2012 at the Department of Geography, Tilak Maharashtra University Pune.
- Dr. Ujjwala Khare attended a State level conference on "Sustainable Development and Agriculture" held on 25<sup>th</sup> and 26<sup>th</sup> February 2012 at Modern College of Arts Science & commerce Ganeshkhind Pune. This conference was funded by QIP University of Pune.
- Dr. Ujjwala Khare attended 43<sup>rd</sup> Annual Regional Science Conference on 13<sup>th</sup> and 14<sup>th</sup> January 2012 held at Department of Geography, University of Mumbai. The National conference was funded by R.S.A. She presented a paper entitled "Temporal changes in land use / land cover changes in the proximity of the IT park at Hinjewadi Pune."
- Dr. A. Dhorde attended 3<sup>rd</sup> INTERNATIONAL CONFERENCE ON CLIMATE CHANGE & SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES and presented a paper entitled "Spatial pattern of impervious surface and vegetation and their impact on land surface temperature over Pune city, India". The conference was held from February 5-7, 2012 at TIMS University, Gwalior. The International conference was funded by UGC, DST.
- Dr. A. Dhorde attended 24<sup>th</sup> Indian Institute of Geomorphologists, National Conference & Annual Convention on Coastal Dynamics & Geomorphology and presented a paper entitled "Evaluation of the hydraulic stability of an inlet with shifting tendency". The conference was held from 19 – 22 October 2011 at Anna University Chennai. The National conference was funded by UGC, DST.
- N. K Bhagat attended XI INTERNATIONAL CONFERENCE ON ENVIRONMENT, TOURISM & DEVELOPMENT held from 22-24 FEBRUARY 2012 at the DEPARTMENT OF STUDIES IN GEOGRAPHY, MANASAGANGOTRI, MYSORE. The International conference was funded by DECCAN GEOGRAPHICAL SOCIETY OF INDIA, PUNE. He presented two papers 1) A assessment of social cultural impact on Bhimashakar and Lonawala with the help of LIKERT SCALE, 2) Temporal variation in the comfort indices for Pune city.
- R. S. Kolapkar attended a National Conference "Natural Resource Management" dated 5-7 March 2012 held at Jamkhed Mahavidyalaya, Jamkhed. The Conference was funded by BCUD, University of Pune.
- R. S. Kolapkar presented a paper entitled "Application of Geoinformatics to Assess the Accessibility of Urban Green Spaces" in a national conference held at Department Of Geography, University of Pune.
- Dr. Nisha S. Chavan participated in a state-level Conference on Role of Tourism in Regional Development held on 27, 28 Feb 2012 at Modern College, Shivajinagar, Pune-05. The state-level Conference was funded by Progressive Education Society, Modern College, Pune-05.
- S. D. Kokate participated in a State level Conference on Role of Tourism in Regional Development held on 27, 28 Feb 2012 at Modern College, Shivajinagar, Pune-05. The state-level Conference was funded by Progressive Education Society, Modern College, Pune-05.

- Dr. P. S. Joshi attended state level conference on ‘Urban Sprawl and Geomorphology’ held at Department of Geography, Tilak Maharashtra University, Pune. He presented a paper entitled “Temporal changes in Land-Use / Land-Cover in the proximity of the IT park at Talvade, Pune”.
- N K Bhagat attended a State level workshop on VALUE EDUCATION held on 3<sup>rd</sup> August 2011.

#### Department of Economics

- Dr. Majusha Musmade participated in Marathi Arthashastra Parishad from 7- 9 Nov 2011 organized by Peoples College, Nanded and presented a paper entitled "Jagdish Bhagvati - Khulya Bazarche Khande Samarthak".
- Sonali Anil More-Madhale participated in Marathi Arthashastra Parishad from 7-9 November 2011 held at Peoples College, Nanded.
- Sonali Anil More-Madhale attended Bank-O-Scope: A National conference on future of banking & Financial sector in India on Saturday 10<sup>th</sup> December 2011 held at MITCON Institute of Management, Pune.
- Sonali Anil More-Madhale participated in the 94<sup>th</sup> Annual Conference of Indian Economic Association held at Bharti Vidyapeeth University, Pune from 27<sup>th</sup> – 29<sup>th</sup> December, 2011.
- Sonali Anil More-Madhale participated in the National Conference “Marketing in Contemporary Times Prospects and Challenges” held at Ness Wadia College of Commerce, Pune – 1 from 9-11 February, 2012.

#### Department of Politics

- Anil K. Madhale participated in the National Conference “Marketing in Contemporary Times Prospects and Challenges” held at Ness Wadia College of Commerce, Pune – 1 from 9-11 February, 2012.
- S. N. Sanap participated in the National Conference “Marketing in Contemporary Times Prospects and Challenges” held at Ness Wadia College of Commerce, Pune – 1 from 9-11 February, 2012.

#### **Annexure\_2.9**

- Dr. S. C. Shirwaikar attended and worked as resource person in the workshop on M. Sc. Syllabus Implementation held at Nowrosjee Wadia College, Pune on 18<sup>th</sup> August 2011. The topic of her lecture was “Design and Analysis of Algorithm Syllabus”. The University level workshop was sponsored by BCUD.
- Dr. S. C. Shirwaikar attended and worked as resource person in M. Sc. Syllabus Implementation workshop from 27<sup>th</sup> December 2011 to 29<sup>th</sup> December 2011 held at Fergusson College, Pune. The topic of her lecture was “Data Mining”. The University level workshop was sponsored by BCUD.
- Poonam Ponde attended a workshop on M. Sc. Syllabus Implementation held at Nowrosjee Wadia College, Pune on 18<sup>th</sup> August 2011.
- Poonam Ponde worked as member of subcommittee for S.Y.B.Sc. Practical Booklet Creation for Lab Course I, II and III in which she helped in preparing an outline of the lab books and practical examination format.
- Tandra Guha participated in Pedagogical teaching plan of B.Sc. (C.S) Electronic Science Syllabus. organized by Department of Electronic Science, University of Pune, Pune on 23<sup>rd</sup> April 2012.

- Dr. P. K. Bhadane attended Syllabus discussion of vocational electronic equipment maintenance (EEM) held at Department of Electronics, N. Wadia College, Pune on 7<sup>th</sup> August 2011.
- Dr. Desa attended a one-day workshop on Syllabus upgradation PG (Physics) on 21<sup>st</sup> Jan 2012 held at University of Pune, Pune. This regional workshop was sponsored by University of Pune, Pune.
- Dr. Indira Patil, Dr. Natasha D'Cruz and Ms. Elaine Sequeira prepared the syllabus for the paper titled 'Psychology: Hospitality perspective' for the P.G. program for the Maharashtra State Institute of Hotel Management and Catering Technology, Pune.

### **Annexure\_2.13**

#### Department of Botany

- Dr S. Y. Ahire attended one-day seminar on Recent Trends in Mycology and Plant Pathology organized by P.G. Department of Botany Fergusson College, Pune on 17<sup>th</sup> August 2012.

#### Department of Chemistry

- Dr R. R. Sangpal completed the Refresher course in Chemistry conducted at the Department of Chemistry, University of Pune, Pune – 41107, from 08/11/2011 to 28/11/2011.
- (Mrs.) V. S. Ghorpade attended the state level workshop "Microscale Techniques in Physical Chemistry" dated 21<sup>st</sup> and 22<sup>nd</sup> Feb 2012 held at Abasaheb Garware College, Pune. The workshop was sponsored by UGC.
- (Mrs.) V. S. Ghorpade attended a national seminar "Newer Trends in Chemical Research and Writing of Scientific Research papers" from February 2 to 4, 2012 held at Modern College of Arts, Science and Commerce, Pune. The workshop was sponsored by UGC.

#### Department of Computer Science

- Dr. S. C. Shirwaikar attended a workshop entitled "New Education can make you New" on 27 August 2011 held at St. Mira's college.
- Dr. S. C. Shirwaikar attended and worked as resource person in "Mathematics for Researchers" held on 19<sup>th</sup> October 2011 at Sinhgad College of Engineering, Pune. The topic of her lecture was "Analysis of Algorithms".
- Dr. S. C. Shirwaikar attended and worked as resource person in NET-SET Workshop held from 1<sup>st</sup> November to 16<sup>th</sup> November at Nowrosjee Wadia College, Pune. The topics of her lecture were Theoretical Computer science, Design and Analysis of Algorithm and Compiler Construction.
- Dr. S. C. Shirwaikar attended and worked as resource person in NET-SET Workshop on 1<sup>st</sup> January 2012 held at University of Mumbai, Mumbai. The topic of her lecture was "Theoretical Computer science".
- Dr. S. C. Shirwaikar attended and worked as resource person Faculty Development Workshop on Data Mining held on 7<sup>th</sup> January 2012 held at Allana Institute of Management, Pune. The topic of her lecture was "Association Rule Mining".
- Poonam Ponde participated in a Data Structures Workshop held at Pimpri Chinchwad College of Engineering on October 3 and 4, 2011.

- Poonam Ponde delivered a seminar on IT and Cloud Computing at Ness Wadia College, Pune on July 12, 2011.
- Poonam Ponde delivered a seminar on Cloud Computing at Ness Wadia College, Pune on January 3, 2012.
- Poonam Ponde delivered a seminar on Cloud Computing at Rajmata Jijau College, Bhosari on January 31, 2012.
- Deepali Joshi participated in one-day state level Seminar on CURRENT RESEARCH TRENDS IN COMPUTER ENGINEERING organized by Department of Computer Engineering Sponsored by BCUD, University of Pune on 16<sup>th</sup> March 2012.
- Pradnya Nandedkar participated in one day University Level Seminar on “New Trends in Web Technologies” organized in association with University of Pune on 7<sup>th</sup> February 2012 at H. V. Desai College, Pune

#### Department of Electronics

- Vijaya S. Jadkar attended a State level Workshop on “Digital System Design using VHDL on CPLD board” held at Modern College, Pune on 10<sup>th</sup> & 11<sup>th</sup> February 2012.
- Dr. P. K. Bhadane organized a workshop on preparation of students final year projects and their exhibition held at Department of Electronics, N. Wadia College, Pune on 21<sup>st</sup> January 2012.
- Dr. P. K. Bhadane attended a State level Workshop on “Digital System Design using VHDL on CPLD board” held at Modern College, Pune on 10<sup>th</sup> & 11<sup>th</sup> February 2012.

#### Department of Geology

- Dr. I. A. Khan attended a workshop on ‘Oil and Gas Exploration Techniques’ held at Sinhgad College of Arts, Science & Commerce on 3<sup>rd</sup> and 4<sup>th</sup> March, 2012.
- Dr. I. A. Khan and Dr. K. S. Venkataraghavan were part of the organizing committee for a one day workshop on "Trends in Drilling" held at Nowrosjee Wadia College, Pune on 7th January 2012.

#### Department of Physics

- Dr. Desa attended a seminar on “Frontiers of Physics” from 17-19 January 2012 held at Fergusson College, Pune.
- Dr. F. I. Surve was part of the the WPA (Wadians’ Physics Association) Lecture Series organizing committee held on 13<sup>th</sup> Jan. 2012.
- Dr. G. R. Aher attended a One day workshop on “Academic Performance Indicators (API) for College Teachers” held at Abasaheb Garware College on December 11, 2011.
- Kate attended a seminar on “Frontiers of Physics-V” held from 17-19<sup>th</sup> January 2012 at Fergusson College, Pune.

#### Department of Psychology

- Dr. Indira Patil, Mrs Sheena Philips, Ms Elaine Sequeira and Ms. Neha Kelkar attended a local workshop on Discovering expressive art therapies held at Salunke Vihar, Pune on 25<sup>th</sup> Sept, 2011.
- Dr. Borkar attended a two day seminar on “Lokpal and Bhrashtachar Nirmlan” held at University of Pune on 22-23 Sept. 2011.
- Ms. Sumiren Sharma completed a certificate course in ‘Counseling and Therapy’ conducted by the Maharashtra Medical Foundation.

#### Department of Zoology

- Dr.Veena Rambal participated in a One Day Seminar on “Current advances in Zoology” on 4<sup>th</sup> Feb. 2012 at Baburaoji Gholap College, Sangavi, Pune.
- Dr. Veena Rambal participated in a three Days National Seminar on “Recent advances in Chemical and environmental Science (RACES-2012)” Organized by Dept. of Chemistry, from 10<sup>th</sup> to 12<sup>th</sup> Feb. 2012 at Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi, Pune.
- Dr. Veena Rambal participated in a two Day State Level Workshop “Training Program on Sericulture for Production of Good Quality Cocoons”, held on 17<sup>th</sup> and 18<sup>th</sup> Feb. 2012, organized by Sinhgad College of Science, Ambegaon, Pune.
- S. Kudale attended a two day State Level seminar on “The Role of Youth in Disaster Management” held on 9<sup>th</sup> and 10<sup>th</sup> September 2011 at Pune District Education Association’s Baburaoji Gholap College, Sangvi, District Pune.
- S. Kudale attended a two days national level seminar on “Radiation Effect on Environment” held on 23<sup>rd</sup> and 24<sup>th</sup> September 2011 at Kanara Welfare Trust’s, Gokhale Centenary College: Ankola, Uttar Karnataka State, India. The seminar was funded by University Grant Commission.
- Dr. Usha Ashtekar attended a National Seminar on Recent advances in Chemical and Environmental Science (RACES- 2012) from 10<sup>th</sup> to 12<sup>th</sup> February 2012 held at Prof. Ramkrushna More Arts Commerce & Science College, Akurdi , Pune . This seminar was sponsored by BCUD, Pune.
- Dr. Usha Ashtekar attended a State level workshop on Current advances in Zoology held on 4<sup>th</sup> February 2012 held at Baburao ji Gholap College, Sangavi -411027. This workshop was funded by BCUD, Pune.
- Dr. M. S. Arora attended a State level workshop on Current advances in Zoology held on 4<sup>th</sup> February 2012 held at Baburao ji Gholap College, Sangavi -411027. This workshop was funded by BCUD, Pune.
- Dr. M. S. Arora participated in Two Days State Level Seminar on “The Role of Youth in Disaster Management” on 9<sup>th</sup> and 10<sup>th</sup> Sept. 2011 at Baburaoji Gholap College, Sangavi, Pune.
- Dr. R. M. Pawar participated in a one day Seminar on “Current advances in Zoology” on 4<sup>th</sup> Feb. 2012 at Baburaoji Gholap College, Sangavi, Pune.
- Dr. R. M. Pawar participated in three days National Seminar on “Recent advances in Chemical and environmental Science (RACES-2012)” Organized by Dept. of Chemistry, from 10<sup>th</sup> to 12<sup>th</sup> Feb. 2012 at Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi, Pune.

- Dr. R. M. Pawar participated in two days State Level Workshop “Training Program on Sericulture for Production of Good Quality Cocoons, held on 17<sup>th</sup> and 18<sup>th</sup> Feb. 2012, organized by Sinhgad College of Science, Ambegaon, Pune.
- Dr. R. M. Pawar participated in a National Seminar on “Biodiversity: Conservation and Protection” held on 13<sup>th</sup> and 14<sup>th</sup> March, 2012 organized by the Dept. of Zoology, Bharati Vidyapeeth Deemed University, Yashwantrao Mohite College, Pune.
- Dr. R. M. Pawar participated in two days State Level Seminar on “The Role of Youth in Disaster Management” on 9<sup>th</sup> and 10<sup>th</sup> Sept. 2011 at Baburaoji Gholap College, Sangavi, Pune
- Dr. R. M. Pawar participated in three days National Seminar on “Recent advances in Chemical and environmental Science (RACES-2012)” organized by Dept. of Chemistry, from 10<sup>th</sup> to 12<sup>th</sup> Feb. 2012 at Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi, Pune.
- Dr. R. M. Pawar participated in a National Seminar on “Biodiversity: Conservation and Protection held on 13<sup>th</sup> and 14<sup>th</sup> March, 2012 organized by the Dept. of Zoology, Bharati Vidyapeeth Deemed University, Yashwantrao Mohite College, Pune.
- Dr. R. M. Pawar participated in a one day Seminar on “Current advances in Zoology” on 4<sup>th</sup> Feb. 2012 at Baburaoji Gholap College, Sangavi, Pune.
- Dr. S. B. Waghmare participated in a National Seminar on Biodiversity: Conservation and Protection. organized by and held at Department of Zoology, Yeshwantrao Mohite College, Erandwane, Pune from 13th to 14th March, 2012. The National Seminar was funded by University Grants Commission, New Delhi.
- Kanchan Phatak participated in a State level Workshop on “e- Learning in Microbiology” held at Department of Microbiology, Dr. B. S. Ambedkar Marathwada University, Osmanabad on 21<sup>st</sup> August 2011.
- Kanchan Phatak participated in a “State level workshop and Training Program on Sericulture for Production of Good Quality Cocoons” at Sinhgad College of Science, Ambegaon, Pune held on 17-18<sup>th</sup> February 2012.
- Kanchan Phatak participated in a National Seminar "Biodiversity: Conservation and Protection" held on 13th - 14th march 2012 at Bharati Vidhyapith Pune.
- Kanchan Phatak completed the general orientation program conducted at UGC academic Staff College Pune from 1<sup>st</sup>-28<sup>th</sup> October 2011.

#### Department of Mathematics

- Dr. S. A. Boxwala attended a Professional Development Program for Academic Administrators/ Principals from 13<sup>th</sup> to 15<sup>th</sup> February 2012, held at St. Xavier’s College, Mumbai. The state level program was funded by UGC, ASC, Mumbai.
- P. N. Shinde attended the ISL Combinatorics held at Harishchandra Research Institute Allahabad from 1 to 14 June 2012.
- P. N. Shinde participated in the Pedagogical training for Mathematics Teachers (PTMT) held at Bhaskaracharya Pratishthana Pune from 5th-10th April 2012.
- P. N. Shinde attended Annual Training Camp 2012 at Kanhe Phata from 29 August to 7th Sept. 2012.



- Mr. S. G. Latpate attended a state level workshop on “FUZZY LOGIC” on 8<sup>th</sup> March 2012 held at Modern college, Shivaji nagar, Pune. The workshop was funded by UGC and BCUD, University of Pune.
- V. S. Jadhav participated in a workshop on Representation Theory of finite groups of Lie Type: Deligne-Lusztig Theory from 5<sup>th</sup> December 2011 to 17<sup>th</sup> December 2011 held at TIFR, Mumbai. The National workshop was sponsored by TIFR, Mumbai.
- V. S. Jadhav worked as Associate Teacher, and conducted tutorial (6 hours) in AFS in Mathematics-I at IISER, Pune in December 2011.
- N. D. Mundlik attended Advanced Training in Mathematics on Combinatorics and Graph Theory held from 12<sup>th</sup> -17<sup>th</sup> December, 2011 at the Department of Mathematics, University of Pune. This national workshop was funded by NBHM.
- Dr. A.S. Phadke participated in the Advanced Training in Mathematics Workshop on Combinatorics and Graph Theory held at the Department of Mathematics, University of Pune from Dec. 12, 2011 to Dec. 17, 2011.
- Dr. A.S. Phadke participated in the Problem Coordinator Camp held at St. Xaviers Villa, Khandala on 17<sup>th</sup> and 18<sup>th</sup> September 2011.

#### Department of Geography

- Dr. Ujjwala Khare attended II<sup>nd</sup> DGSI National Workshop on ‘Monsoon Forecasting’ from 11<sup>th</sup> and 13<sup>th</sup> August 2011 held at Department of Geography, Modern College of Arts Science & Commerce, Ganeshkhind Pune. The National Workshop was funded by DGSI.
- Dr. Ujjwala Khare presented a paper entitled “Temporal changes in Land-Use / Land-Cover in the proximity of the IT park at Talvade, Pune” at a state level seminar on ‘Urban Sprawl and Geomorphology’ held at Department of Geography, Tilak Maharashtra University, Pune.
- Dr. A. Dhorde attended a state level seminar on ‘Urban Sprawl and Geomorphology’ held at Department of Geography, Tilak Maharashtra University, Pune.
- Dr. A. Dhorde participated in a National Workshop on ‘Application of Quantitative techniques in Geographic Research’ held at SNTD, Woman's University Mumbai from 5<sup>th</sup> to 10<sup>th</sup> March 2012.
- N. K Bhagat attended II<sup>nd</sup> DGSI NATIONAL WORKSHOP ON “MONSOON FORECASTING” held from 11<sup>th</sup> to 13<sup>th</sup> August 2011 at Modern College of Arts, Science and commerce, Ganeshkhind, Pune. The national workshop was funded by Deccan Geographical Society of India.
- N. K Bhagat attended a state level workshop on “River Policy” held 24<sup>th</sup> August 2011 at Symbiosis College of Arts and Commerce.
- N. K Bhagat attended a national seminar 2012 on “Application of remote Sensing and GIS in Geography ” held at University of Pune on 10<sup>th</sup> March 2010.
- S. D. Kokate attended University Level Seminar on Environmental Education on 20 Feb 2012 held at S. B. College, Nasrapur, Tal- Bhor Pune. The Seminar was funded by BCUD University of Pune.
- Dr. Nisha Chavan and Dr. P. S. Joshi attended a national level workshop on Application of Remote sensing and GIS in Geography held on 10<sup>th</sup> March, 2012 at the Department of Geography, University of Pune.
- R. S. Kolapkar attended a National Seminar on “Application of Remote Sensing and GIS in Geography” held on 10<sup>th</sup> March 2012 at Department Of Geography, University of Pune.

- R. S. Kolapkar attended “Summer Training Program in Geospatial Technologies and Applications” held at Smt. Parvatibai Chowgule College, Margao, Goa from 10<sup>th</sup> May to 30<sup>th</sup> May 2012.

#### Department of History

- Dr. J. S. Aniruddha participated in a Refresher Course on Social Sciences (History) held at Dept of Defense & Strategic Studies, Pune University from 10 to 30 January 2011. The Refresher Course was funded by UGC.

#### Department of Marathi

- J. S. Ahiwale attended a workshop on Sanshodhan Paddhati held on 5<sup>th</sup> and 6<sup>th</sup> March 2012 at Modern College Shivajinagar.

#### Department of Economics

- Dr. Manjusha Musmade attended and presented a paper on "Inclusive Urbanization - Need of the day" the UGC Sponsored National Seminar on Inclusive Growth in India – Varied Dimensions and Challenges held at Symbiosis College of Arts and Commerce Pune by Department of Economics and Banking on 17<sup>th</sup> and 18<sup>th</sup> February 2012.
- Sonali Anil More-Madhale participated in workshop on “New Education can Make you New” presided over by Rev. Dada J. P. Vaswani & Hon’ble Vice Chancellor , Dr. Shevgaonkar on August 27<sup>th</sup> at St. Mira’s College for Girls Pune.
- Sonali Anil More-Madhale attended the UGC Sponsored National Seminar on Inclusive Growth in India – Varied Dimensions and Challenges held at Symbiosis College of Arts and Commerce Pune by Department of Economics and Banking on 17<sup>th</sup> and 18<sup>th</sup> February 2012.
- Sonali Anil More-Madhale completed the Refresher course in Social Sciences (Economics) conducted at the Bharatratna Dr. Babasaheb Ambedkar Studies Center, University of Pune, Pune – 41107, from 24/02/2012 to 15/03/2012.

#### Department of Politics

- Anil K. Madhale participated in workshop on “New Education can Make you New” presided over by Rev. Dada J. P. Vaswani & Hon’ble Vice Chancellor, Dr. Shevgaonkar on August 27, 2011 at St. Mira’s College for Girls Pune.
- Anil K. Madhale completed the Refresher course in Social Sciences (Economics) conducted at the Bharatratna Dr. Babasaheb Ambedkar Studies Center, University of Pune, Pune – 411007, from 24/02/2012 to 15/03/2012.

**(Annexure\_3.12)**

- Dr. S. C. Shirwaikar attended and worked as a resource person in NET-SET Workshop held from 1<sup>st</sup> November to 16<sup>th</sup> November at Nowrosjee Wadia College, Pune. The topic of her lecture was “Theoretical Computer science, Design and Analysis of Algorithm and Compiler Construction”.
- Dr. S. C. Shirwaikar attended and worked as resource person at NET-SET Workshop on 1<sup>st</sup> January 2012 held at University of Mumbai, Mumbai. The topic of her lecture was “Theoretical Computer science”.
- Dr. S. C. Shirwaikar attended and worked as resource person at the Faculty Development Workshop on Data Mining held on 7<sup>th</sup> January 2012 at Allana Institute of Management, Pune. The topic of her lecture was “ Association Rule Mining”.
- Dr. S. C. Shirwaikar attended and worked as resource person at a workshop in “Mathematics for Researchers” held on 19<sup>th</sup> October 2011 at Sinhgad College of Engineering, Pune. The topic of her lecture was Analysis of Algorithms.
- Poonam Ponde delivered a seminar on IT and Cloud Computing at Ness Wadia College, Pune on July 12, 2011.
- Poonam Ponde delivered a seminar on Cloud Computing at Ness Wadia College, Pune on January 3, 2012.
- Poonam Ponde delivered a seminar on Cloud Computing at Rajmata Jijau College, Bhosari on January 31, 2012.
- H. R. Arvind worked as a resource person in the NET/SET Workshop held from 1<sup>st</sup> November to 16<sup>th</sup> November 2011 at Nowrosjee Wadia College.
- Nanda Ranade worked as a resource person in the NET/SET Workshop held from 1<sup>st</sup> November to 16<sup>th</sup> November 2011 at Nowrosjee Wadia College.
- Dr. Veena Rambal attended a National Seminar on Recent Advances in Chemical and Environmental Science (RACES 2012) held at Ramkrishna More Arts, Commerce and Science College, Pune from 10-12 February 2012. She was Chairperson for the Poster Presentation.
- Dr. P. K. Bhadane organized workshop on preparation of students’ final year projects and their exhibition held at Department of Electronics, N. Wadia College, Pune on 21<sup>st</sup> January 2012.
- V. S. Jadhav worked as Associate Teacher and conducted tutorial (6 hours) in AFS in Mathematics-I at IISER, Pune in December 2011.
- N. D. Mundlik worked as a resource person in Refresher Course in Mathematics held at Dept. of Mathematics, University of Pune in November 2011.
- Dr. A. S. Phadke delivered lectures and helped in the evaluation process at the ‘International Mathematical Olympiad Training Camp (IMOTC – 2012)’ held at the Homi Bhabha Centre for Science Education, Mumbai in May 2012. The Indian team was selected in this camp for the International Mathematical Olympiad held at Argentina in July 2012.
- S. N. Sanap worked as a resource person in the workshop for the SET/NET held in Sep. 2011 at Shri Shahu Mandir Mahavidyalay, Pune.

**Annexure\_3.4**

<b>Sr. No</b>	<b>Name of Author</b>	<b>Title of the Paper</b>	<b>Name of Journal With year, Volume and page number</b>	<b>Impact Factor</b>
1.	K. S. Bhosale, B. P. Shinde	Influence of Arbuscular Mycorrhizal fungi on nucleic acid and protein contents in Ginger under water stress	Indian Journal of Fundamental and Applied Life Sciences. (2011) Vol. I (4)	5.02
2.	N. S. Chavan, M. B. Potdar	Tourism in Bhimashankar: A Geographical review	Golden research thoughts. (2012) Vol. 1 (10) 1-4 (e-journal)	2.2
3.	A. A. Dhorde, A. Dhorde, G. Joshi	Population calibrated land cover impervious surface coefficients for upper Bhima basin	International Journal of Geomatics and Geosciences. 2012 Vol. 2 (4) 1027-1047	
4.	R. B. Fernandez, A. Dhorde, A. A. Dhorde	Impervious surface mapping for Pune city using satellite data	Golden research thoughts. (2012) Vol. 1 (11) 1-4 (e-journal)	0.187
5.	V. N. Borkar	A comparative study between Hindu and Muslim College girls	International Journal of well being. 2012 vol. 6 (1) 25-30	
6.	V. N. Borkar, R. E. Meshram.	Impact of spirituality on depression in students of Professional and non-professional courses- psychological interventions	Indian Journal of positive Psychology. 2012 Vol. 3 (3)	
7.	U. D. Kulkarni, Y. M. Nandurkar, R. R. Sangpal, N. J. Pawar	Impact of Weathering Processes on Groundwater Environment in the Region of Confluence of Bhima and Mula- Mutha Rivers, Maharashtra	Memoir Geological Society of India. 2012, 97-108	
8.	M. S. Arora, Shahala salokhe, S. N. Mukherjee	Effect of Sub lethal concentrations of Lufenuron on growth development and Reproductive performance of Tribolium castaneum (Herbst) (Coleoptera: Tenebrionidae)	International Journal of applied biology and pharmaceutical. 2012 Vol. 3 (1) (e-journal)	
9.	J. Dhole, S. B. Waghmare, R. Chavan, R. Abdar	Morphotaxonomic observations of <i>Uncibilocularis plagiosumae</i> Sp. Nov. from a marine fish <i>Chiloscyllium plagiosum</i> at Ratnagiri District (M.S.) India	International Journal of Pharmaceutical & Biological Archives. Volume 3 Issue (2); 291-294.	1.57
10.	G. Waghmare, S. B. Waghmare, R. Chavan, D. Mane	Lymphocyte variation in peripheral blood of mice with low level gamma irradiation.	International Journal of Pharmaceutical & Biological Archive. (IC Value - 4.07) Vol 2, Issue (5);	1.57

			1415-1418. (e-journal)	
11.	K. Shaikh, S. B. Waghmare, P. Karuna	Haematological studies of rat infected with hymenolepis (cestoda)	Research Journal of Pharmaceutical, Biological and Chemical Sciences. Vol.3, Issue (1)176-179. (e-journal)	
12.	S. Kalim, H. S. Chaudhary, S. B. Waghmare, D. Bhure	Taxonomic observation of a new species of the genus Moniezia blanchard, 1891 from Capra hircus linnaeus, 1758.	International Journal of Pharmaceutical & Biological Archive (IC Value 4.07) Vol 2, Issue (5) :1410-1414.	1.57
13.	G. Waghmare, S. B. Waghmare, R. Chavan, D. Mane	Leucocytes response in mice to low level gamma irradiation and their protection by liv.52.	Journal of Bioscience and Technology ISSN: 0976-0172. Vol 2, Issue 5,405-409.	
14.	S. B. Waghmare, D. Jaywant, S. Y. Shaha, R. J. Chavan	In Silico Homology Modeling of Thymidylate synthase from the nematode Trichenilla spiralis.	Drug Invention Today (IF 0.64)Vol. 3, Issue 8, 183-185.	0.64
15.	U. D. Kulkarni, R. S. Sangpal, Y. Nandurkar	Give details of the research papers published, if any : (i) Title : An Assessment of the Physico-Chemical Properties to study the Pollution Potential of Ujjani Reservoir, Solapur District, India.	International, ARPJN Journal of Agricultural and Biological Science. Vol. 6, NO. 3, Mar. 2011,pp; 34-38.	
16.	U. D. Kulkarni, Asiya Khan	Environmental aspects of Flood Hazards due to the River Jhelum and its Mitigation Measures,	International Journal of Environmental & Earth sciences V:1, pp.1-12	
17.	Aher, G. V. Pawar, S. D. More, P. C. S. Devara	Comparison of the Angstrom exponent retrieval in different spectral ranges to infer aerosol properties over urban polluted location	Bulletin of Indian Aerosol Science and Technology Association (IASTA), Special Issue, Vol. 20 (1 & 2), pp 580 - 583, 2012.	Conf Proceeding
18.	Aher, G. V. Pawar, S. D. More, P. C. S. Devara	Impact of intense dust storm event on aerosol characteristics and surface radiative forcing over Alibaug, Western coast of India.	Bulletin of Indian Aerosol Science and Technology Association (IASTA), Special Issue, Vol. 20 (1 & 2), pp 580 - 583, 2012.	Conf Proceeding
19.	Aher, G. V. Pawar, P. Gupta, P. C. S. Devara	Determination of Aerosol Characteristics and Direct Radiative Forcing at Pune	Aerosol and Air Quality Research, 12:1166 – 1180, 2012	2.827
20.	A. V. Andhale, P. A. Bhosale and S. P.	Histopathological study of nickel induced alterations in	Journal of Experimental Science vol. 2, issue 4,	

	Zambare	freshwater bivalve, Lammellidens marginalis	pages 01-03	
21.	P. A. Bhosale A. V. Andhale and S. P. Zambare	Biochemical alterations in DNA content of Gill and Gonad tissue of Corbicula striatella due to 5-florouracil toxicity	Recent research in Science and Technology, 3 (5):73-74, ISSN: 2076-5061	
22.	A. V. Andhale and S. P. Zambare	Effect of nickel induced biochemical alterations in fresh water bivalve, Lammellidens marginalis	Journal of Ecobiotechnology, 3(11):18-24	
23.	A. V. Andhale, H. M. Pawar and S. P. Zambare	The evaluations of nickel toxicity on Lammellidens marginalis	Recent research in Science and Technology, 3 (5):01-05, ISSN: 2076-5061	
24.	A. V. Andhale and S. P. Zambare	Effect of nickel induced respiratory alterations in fresh water bivalve, Lammellidens marginalis	International Multidisciplinary Research Journal, 2(3): 01-03	
25.	Kanchan Phatak and S. Sarforaz	Study of Effects of Monosodium Glutamate on Drosophila melanogaster	Journal of Association of Zoologists, India	
26.	Kanchan Phatak and K. Kuri	Study of Effects of Chlormequat Chloride on Drosophila melanogaster	National Journal of Life Sciences (International Biannual Journal of Life Sciences)	
27.	L. M. Chaudhary, D.V. Raje	Study of photon attenuation coefficient of soil samples from Maharashtra and Karnataka states (India) at gamma ray energies from 122 keV to 1330 keV	Res.J. Chemical Sci. Vol 2 (2), 49-53, 1-7, Feb. (2012)	
28.	L. M. Chaudhary, D.V. Raje	Mass attenuation coefficient measurements in soil samples.	Res.J. Chemical Sci. Vol 2 (2), 49-53, 1-7, Feb. (2012)	
29.	A. R. Chabukswar, B. S. Kuchekar, P.D.Lokhande, V.V. Chabukswar, S.D. Tambe, M.N.Mohokarand, B.D.Pagare.	'Synthesis and antibacterial activity of 4-chloro-2-phenyl quinoline derivatives	Asian Journal of Research in Chemistry; Vol: 5 No:9, September:2012	0.266
30.	Vasant Chabukswar, Amit Horne, Sanjay Bhavsarand Kakasaheb Mohite	Studies on synthesis and effect of dopants on conductivity and morphology of organically soluble Poly (o-anisidine).	Journal of Macromolecular Science Part A Pure and Applied Chemistry 49, 2012, 1035-1040	0.85
31.	Vasant Chabukswar, Amit Horne, Sanjay	Synthesis of Nano Conducting Poly(N-	Journal of Macromolecular Science Part A Pure and Applied	0.85

	Bhavsar, Anil Bhise, Kakasaheb Mohite, Vishwas Gaikwad	ethylaniline)and its Function as Reusable Catalyst for Bis- benzpyrrole Synthesis.	Chemistry 49, 2012, 547- 553	
32.	Vasant V. Chabukswar, Sanjay V. Bhavsar, Kakasaheb c. Mohite	Synthesis and Characterization of Organically soluble conducting Poly(N- ethylaniline) Nanoparticles using Acrylic acid as a Soft Template.	Journal of Macromolecular Science Part A Pure and Applied Chemistry 49, 2012, 926- 930	0.85
33.	Vasant Chabukswar, Sanjay Bhavsar, Amit Horne	Synthesis and Characterization of electrically conducting poly (o-toluidine) doped by organic acid.	Chemistry and Chemical Technology Vol.5, No.1, 2011, 37-40	--
34.	V. T. Dangat, V. T. Borkar	Kinetics of the Rapid Reaction of Iodine Monochloride with Potassium iodide in Aqueous Solution Using Competition Technique	Research Link -88-A, Vol-X(5), July-2011, P. 8- 10	--
35.	V.T.Dangat, V.T.Borkar, S. C. Sumbare	The Rapid Kinetics of the Bromination of Thiophene in Aqueous Medium Using Rotating Platinum Electrode	Research Link ,Vol. XI (3) May 2012 P.33-35	--

(Annexure\_RESEARCH PROJECTS)

Nature of the Project	Duration Year (2009-11)	Name of the funding Agency	Total grant Sanctioned	Received
Minor	I A Khan	BCUD	1,50000/-	3946/-
Minor	F I Surve	BCUD	2,90000/-	81849/-
Minor	S C Shirwaikar	BCUD	1,50000/-	29,027/-
			5,90000/-	1,14,822/-
Major	Anargha Dhorde (2010-13)	ISRO/UoP/STC	966000/-	2,37,000/-
Major	S. L. Bonde (2011-13)	ISRO/UoP/STC	800000/-	4,50,000/-

Major	G. R. Aher (2010-13)	ISRO/UoP/STC	1364800/-	2,75,800/-
Major	Jayamala Diddee (2008-11)	UGC	10,67,800/-	---
Major Projects			41,98,600/-	9,62,800/-

Annexure\_NCC

Name of activity	Number of Cadets Participating	University/State/National/International
ALL INDIA BEST CADET AIR WING, REPUBLIC DAY CAMP, NEW DELHI.	01 (Air) (Cadet Corporal Mehrab Bhaya)	National
Selected for Republic Day Camp and Rajpath parade as well as Prime Minister Banner Rally.	01 (Air) (Cadet Mohan Chaudhary)	National
Selected for Republic Day Camp and Rajpath parade as well as Prime Minister Banner Rally	01 (Navy) (Leading Cadet Ravindra Katake)	National
Nau Sainik Camp: All India Best Cadet in AINSC, she also won Silver medal in seamanship, Bronze in Firing and drill competitions, first prize in cultural (song and dance) competition	Leading Cadet Shifa Siddiqui	National
Nau Sainik Camp: first prize in cultural (song and dance) competition	P.O. Cadet Yogita Bhise	National
Nau Sainik Camp: first prize in cultural (song and dance) competition	P.O. Cadet Monika Kshirsagar,	National
G.V. Malavanakar Camp in July 2011 held at Nashik and she won Silver Medal in Firing Competition	P.O. Cadet Pooja Sathe	National
Special NIC, Andaman and Nicobar Island: runner up in Debate Competition and Quiz Competition	Leading Cadet Akshay Mohite	National
Shivaji Trekking camp	Leading Cadet Rohit Desai	National
Ship Attachment Camp(Mumbai)	Cadet Captain Rahul Kamble	National
Army Attachment Camp	Cadet Nagnath Patil	National
Army Attachment Camp	Cadet Ligin K. G.	National
Army Attachment Camp	Cadet Sagar Patil	National
Army Attachment Camp	Cadet Vaishak Nair	National
Army attachment camp	SUO George Khupsuanlian	National
Shivaji Trekking Camp	Cadet Mohnish Chavan	National
Shivaji Trekking Camp	Cadet Pradeep Gosavi	National
Shivaji Trekking Camp	Cadet Vikas Yadav	National
Shivaji Trekking Camp	Cadet Namram Roshan Singh	National
National Integration Camp, New Delhi	Cadet Priyanka Gaikwad	National
National Integration Camp, New Delhi	Cadet Dinesh Chaudhary	National



Special National Integration Camp, Jaisalmer	Cadet Richa Bahal	National
Special National Integration Camp, Jaisalmer	Cadet Amit Kumar	National

Dr. Ms. S. A. Boxwala  
IQAC Coordinator

Dr. K. S. Venkataraghavan  
Chairperson, IQAC