



## The Annual Quality Assurance Report (AQAR) of the IQAC (2010-11)

The Nowrosjee Wadia College, Pune is glad to present the Annual Quality Assurance Report of the academic year 2010-11.

### 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 -26162944

Name of the Head of the

Dr. B.B.Thakur

Institution:

Tel. No. with STD Code:

020-26169108

Mobile:

9422289580

Name of the IQAC Co-coordinator:

Dr. S. L. Bonde

Mobile:

09822761862

IQAC e-mail address:

iqac@nowrosjeeewadiacollege.edu.in

1.3 NAAC Track ID:

N. A.

1.4 NAAC Executive Committee No. & Date:

January 08, 2004

1.5 Website address:

www.nowrosjeeewadiacollege.edu.in

Web-link of the AQAR:

<http://nowrosjeeewadiacollege.edu.in/aqar-2010-11/>

#### 1.6 Accreditation Details

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

1.7 Date of Establishment of IQAC:

22<sup>nd</sup> March, 2010

1.8 AQAR for the year:

2010-2011

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

#### 1.10 Institutional Status

University : State

Affiliated College : Yes

Constituent College : No

Autonomous college of UGC : No

Regulatory Agency approved Institution : Yes



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

2.1 No. of Teachers	: 08			
2.2 No. of Administrative/Technical staff	: 02			
2.3 No. of students	: 00			
2.4 No. of Management representatives	: 02			
2.5 No. of Alumni	: 00			
2. 6 No. of any other stakeholder and community representatives	: 00			
2.7 No. of Employers/ Industrialists	: 00			
2.8 No. of other External Experts	: 01			
2.9 Total No. of members	: 13			
2.10 No. of IQAC meetings held	: 02			
2.11 No. of meetings with various stakeholders	: 07	Faculty	: 02	
Non-Teaching Staff: 01	Students: 02	Alumni: 02	Others	: 00
2.12 Has IQAC received any funding from UGC during the year?	: No			

If yes, mention the amount: --

2.13 Seminars 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

2.14 Significant Activities and contributions made by IQAC

- CAS (Career Advancement Scheme) for teachers.
- Planning of Programs for the academic year, monitoring them 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: 2010-11

#### First Term:

Sr. No.	Details of Activities	Dates
1	Commencement of the First Term	15/06/2010
2	College Foundation Day	21/07/2010
3	First Mid-Semester Examination of B. Sc	4 <sup>th</sup> week of August
4	Scholars Day	16/09/ 2010
5	Gokhale Cup Elocution Competition	29/09/ 2010
6	First Semester University Examination of B. Sc	4 <sup>th</sup> week of September
7	Conclusion of the first term	31/10/ 2010

#### Second Term:

Sr. No.	Details of Activities	Dates
1	Commencement of the Second Term	25/11/2010
2	Term End Examination of B. A	2 <sup>nd</sup> and 3 <sup>rd</sup> week of December
3	NSS Camp	3 <sup>rd</sup> and 4 <sup>th</sup> week of December
4	NCC Day	8/02/ 2011
5	Gymkhana Day	12/02/2011
6	Second Mid-Semester Examination of B. Sc	2 <sup>nd</sup> and 3 <sup>rd</sup> week of February
7	Extra and Co-curricular Departmental Activities	27/02/2011 to 28/02/2011
8	University Annual Examination of B.A	3 <sup>rd</sup> week of April
9	Second Semester University Examination of B. Sc	4 <sup>th</sup> week of April
10	Conclusion of the second term	30/04/ 2011

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>09 teachers successfully completed refresher courses, 2 teachers attended orientation programs and 19 teachers attended workshops in their respective subjects.</li> <li>62 teachers participated in conferences out of which 10 presented papers and 04 were resource persons.</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>Around 100 students participated in various intercollegiate events and competitions and brought laurels to the college</li> <li>M.Sc Petroleum Technology student, Mr. Digambar Ubale bagged the 1<sup>st</sup> prize at ‘Petro fest’ organized by ONGC at Vishakhapatnam.</li> <li>M.A. Economics students organized a radio programme on ‘Budget’ for the ‘Vidyavani’, a radio station of University of Pune.</li> <li>S.Y.B.Sc. Biotechnology students, Mr. Abhishek Iyer, Neil Zuzarte and Pushkar Solanki won the 1<sup>st</sup> Prize in Intercollegiate competition ‘Chimera’ organized by Fergusson College on 29<sup>th</sup> January, 2011.</li> <li>T.Y.B.Sc. Biotechnology students, Mr. Rahul Krishnani and Mr. Shyam Tripathi participated in various events such as Science Fiction Writing, Gene Quiz and Bio-Rangoli in ‘Generation 2011’ in ‘Mood Indigo’ held at IIT Powai, Mumbai on 20<sup>th</sup> January, 2011.</li> <li>T.Y.B.Sc. Botany students, Ms. Shalaka Berwal, Mr. Amol Dewale, Mr. Tony Thomas and Mr. Kishan Tripathi participated in the AVISHKAR research competition organized by University of Pune at Fergusson College on 6<sup>th</sup> December, 2010.</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>Department of History organized intracollegiate competition on “History through the Medium of Art” comprising activities like poster, rangoli, chart making, collage and model making to boost creative minds of students.</li> <li>Several intra collegiate and inter collegiate competitions such as Botanica, Geofest, Zoofest were organized by different departments to develop subject interest, for building camaraderie, promoting creativity and critical thinking.</li> <li>On the occasion of Hindi Divas, Department of Hindi organized Essay writing and project Competition for students.</li> <li>Department of Electronics organized workshop in which students were given guidance on career opportunities in USA.</li> <li>Department of French organized quiz and project competition based on the subject.</li> <li>Department of English organized ‘Poetry Reading Competition’ for the students of Undergraduate classes.</li> <li>‘TechNTalent’, an annual event comprising</li> </ul>

	<p>many competitions such as programming, project, debate, rangoli etc was organized by Department of Computer Science.</p> <ul style="list-style-type: none"> <li>• Silver Jubilee Lecture competition was organized by Department of Chemistry in February, 2011.</li> </ul>
<ul style="list-style-type: none"> <li>• Organizing career oriented workshops.</li> </ul>	<ul style="list-style-type: none"> <li>• Department of English organized a two day workshop on NET/SET examination to guide and prepare students for these competitive examinations.</li> <li>• Department of Chemistry in collaboration with SET Bhavan, Pune University organized a workshop on SET examination.</li> <li>• Department of Electronics organized a State level Workshop on preparation of final year projects of students and their exhibition on 20<sup>th</sup> January 2011.</li> </ul>
<ul style="list-style-type: none"> <li>• Improving student evaluation procedures.</li> </ul>	<ul style="list-style-type: none"> <li>• Home assignments and seminars were given to PG students. They were evaluated through continuous monitoring of the activity.</li> <li>• Tests involving Multiple Choice Questions were given to UG students as part of their Internal Assessment.</li> </ul>
<ul style="list-style-type: none"> <li>• Upgrading laboratory equipments.</li> </ul>	<ul style="list-style-type: none"> <li>• Many new equipments including computers and related accessories, electronics and other equipments were purchased from UGC grant and through self funding so as to upgrade the laboratories for PG.</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>• Dr. G. R. Aher and Dr. Anargha Dhorde each received funding for their research projects from ISRO.</li> <li>• 11 teachers have ongoing minor research projects funded by UGC and BCUD, University of Pune.</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>• Department of Physics in collaboration with Nucleonix Systems Pvt. Ltd. organized a one day workshop on T.Y.B.Sc. Practicals on G. M. Counter. BCUD, University of Pune provided additional financial support for the workshop.</li> <li>• Department of Electronics organized state level syllabus discussion workshop on vocational electronic equipment maintenance on 6<sup>th</sup> September 2010.</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>• 100 students of the NSS participated in the Blood Donation camp organized by our college on 13<sup>th</sup> January 2011.</li> <li>• NCC cadets (Naval wing) volunteered in social activities like the Pune Marathon, Cycle Rally on Anti-Smoking Day, Blood Donation Camp and Environmental Awareness Rally. A lecture on Environmental Awareness was also organized in the college on 11<sup>th</sup> November 2010 for the NCC cadets.</li> </ul>
<ul style="list-style-type: none"> <li>• Strengthening Industry Interaction and exposure</li> </ul>	<ul style="list-style-type: none"> <li>• Jubilant Chemsys Ltd., Noida held campus interviews at Department of Chemistry in which seven students were selected from the</li> </ul>



	<p>college.</p> <ul style="list-style-type: none"> <li>• Department of Geology has tie up with several oil companies for placements. This year some new companies like Hindustan Oil Exploration (HOEC), Jindal Drilling and Industries Ltd., Interlink Internationals have shown interest in employing students.</li> <li>• Several companies visited the Department of Computer Science and most of the students of M.Sc (Comp. Sc.) and MCA were placed.</li> <li>• Several departments organized Industry visits and lectures by Industry experts</li> <li>• Several Industrial Projects were undertaken by various Departments.</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 the Centre for Talent Search and Excellence, from Maharashtra, Karnataka, Goa and Gujarat in April 2010, crossed the one lakh mark. In addition to this in the year 2010, sixty one students from Srinagar (J &amp; K) appeared for the M.T.S. Examination.</li> </ul>

2.16 Whether the AQAR was placed in statutory body : Yes

Management: Yes

Syndicate: N. A.

Any other body: Steering Committee

Provide the details of the action taken

- Rough draft presented before the Steering Committee on 05<sup>th</sup> July 2016
- Revised draft presented before IQAS and approved with suitable changes on 16<sup>th</sup> July 2016
- Presented before Management and approved by Management on 30<sup>th</sup> August 2016
- Uploaded on the college website [www.nowrosjeewadacollege.edu.in](http://www.nowrosjeewadacollege.edu.in) on 26/10 /2016.

## Part – B

### Criterion – I

#### I. Curricular Aspects

##### 1.1 Details about Academic Programs

Level of the Programme	Number of existing Programs	Number of programs added during the year	Number of self-financing programs	Number of value added / Career Oriented programs
Ph. D.	03 Annexure (1.1a)	0	03	0
PG	17 Annexure (1.1b)	0	16	0
UG	16 (07+07+02) Annexure (1.1c)	0	02	0
PG Diploma	01 Annexure (1.1d)	0	01	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	0	0	0	0
Others	01 Annexure (1.1e)	0	01	0
<b>Total</b>	<b>38</b>	<b>0</b>	<b>23</b>	<b>0</b>
Interdisciplinary	01 Annexure (1.1f)	0	01	0
Innovative	0	0	0	0

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

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

(ii) Pattern of programs:-

Pattern	Number of programs
Semester	17(PG) + 7 (UG Science) + 2 (Self financing UG)
Trimester	0
Annual	7 (UG Arts) + 7 (F. Y. B. Sc.) + 2 (F. Y. B. Sc. Self financing)

- 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 classes.

1.3 Please provide an analysis of the feedback in (Annexure 1.3)

Feedback from stakeholders (On all aspects)	Alumni	Parents	Employers	Students
	Yes	Yes	Yes	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) The course curricula are prescribed by the University of Pune.
- 2) P.G. syllabus is revised once in 3 years and U.G. syllabus is revised once in 5 years.
- 3) In the academic year 2010-11, T.Y. B.Sc. /T.Y.B.A. syllabus was revised.

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

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
72 (Aided)	24 (Aided)	46 (Aided)	00	02
08 (Non Aided)	04 (Non Aided)	04 (Non Aided)	00	00

2.2 No. of permanent faculty with Ph. D.: 39 (38 from Aided, 1 from Non Aided)

2.3 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
24 (Aided)	24 (Aided)	46 (Aided)	00	00	00	02 (Aided)	0	72 (Aided)	24 (Aided)
04 (Non-Aided)	00 (Non-Aided)	04 (Non-Aided)						08	00 (Non-Aided)

2.4 No. of Guest and Visiting faculty and Temporary faculty (Aided and Non- Aided):

Guest	Visiting	Temporary
21(Aided) + 39( Non-Aided)	29(Aided) + 143 (Non-Aided)	27 (Aided) + 72 (Non-Aided)

2.5 Faculty participation in conferences and symposia: (Annexure 2.5)

No. of Faculty	International level	National level	State level
Attended conferences/ Symposia	05	31	12
Presented papers	03	03	04
Resource Persons	-	02	02

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

1. Teachers of various departments used innovative methods for teaching-learning. Assignments comprising of objective as well as subjective questions were given to the under graduate students after completion of every topic.
2. Demonstration of models, use of charts helped the students to understand difficult concepts of the subject.
3. Subject related Quizzes were conducted to improve student interaction in the classroom.
4. Use of ICT, in the form of Power Point slides as well as Over Head Projector was made for UG as well as PG courses.
5. Wall magazines have been specifically introduced to create a platform for the students to share their creative expressions in the form of interesting articles, poems, sketches, quizzes. Technical information is also published periodically by the departments on these wall magazines.
6. Students are encouraged to participate in project, poster, lecture competitions and participatory games arranged by different departments of the college so as to develop an interdisciplinary approach and to enrich the subject knowledge.
7. The Department of Physics designed innovative Live Laboratory Demonstration Experiments, which helped the students understand some difficult concepts.
8. Department of Zoology conducted seminars of the PG students which helped the students to improve their presentation skills, have a better understanding of the subject and help overcome stage fear.

9. Department of History organized intra collegiate competition on “History through the medium of Art” comprising activities like poster, rangoli, chart, collage and model making to boost creativity of students.
10. Several intra collegiate and inter collegiate competitions such as Zoofest, Botanica were organized by Zoology and Botany departments respectively to develop subject interest, for promoting creativity and critical thinking among the students.
11. Department of French organized a quiz and project competition based on the subject knowledge.
12. ‘TechNTalent’, an annual event comprising many competitions such as programming, project, debate, rangoli etc was organized by Department of Computer Science.
13. On the occasion of Hindi Divas, Department of Hindi organized Essay writing and project Competition for students.
14. The Marathi Department organized several events like Guest Lectures and competitions like Poetry reading, essay writing and storytelling.
15. The Geology Department organized exhibitions on rare minerals, preserved butterflies, Zeolites, Dinosaurs’ eggs and fish fossils from all around the world annually since the last few years. The geological evolution of these specimens was explained to the students both school and college this year too.
16. Department of English organized a Poetry Reading competition in original work to improve pronunciation and for the better understanding of the English literature.
17. Audio Visual training is provided to Sportsmen by the Department of Physical Education.
18. The Department of Geography organized a one day visit to Indian Meteorological Department, Shivajinagar, Pune for the study of Weather Instruments and Weather Maps.

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

Arts	Science
195	190

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

- Home assignments involving developing of study material, writing a review article, finding research articles etc. were given to PG students.
- Seminars and Reading Assignments were also given to the PG students
- Multiple Choice Questions were given to UG students as part of their Internal Assessment.

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

Curriculum Restructuring	Curriculum Revisions	Syllabus Development
-	07	-

- Dr. U. D. Kulkarni and Dr. I. A. Khan are the members of Board of Studies of subject Geology from 2010.
- Anagha C. Wairagade and Deokar S.B. attended a workshop on Revision of syllabus of S.Y. & T.Y. Biotechnology on 12<sup>th</sup> - 13<sup>th</sup> August, 2010 at Abasaheb Garware College, Karve Road, Pune.

- Poonam Ponde delivered a lecture on ‘Computer Networks and Project Implementation’ at the T.Y.B.Sc. Syllabus Implementation Workshop from 13<sup>th</sup> -14<sup>th</sup> August, 2010 at Vidya Pratishthan College, Baramati funded by the University of Pune.
- Reena Bharathi attended Pune University funded T.Y.B.Sc. Syllabus Implementation Workshop from 13<sup>th</sup> -14<sup>th</sup> August, 2010 at Vidya Pratishthan College, Baramati.
- Vandana Babrekar attended Pune University funded T.Y.B.Sc. Syllabus Implementation Workshop from 13<sup>th</sup> - 14<sup>th</sup> August, 2010 at Vidya Pratishthan College, Baramati. She also attended One day workshop on Syllabus Restructuring of MCA (under science faculty) course on 28<sup>th</sup> February, 2010 at Fergusson College, Pune.
- Sangita Kudale attended a three day workshop on “New practical course in T. Y. B.Sc Revised Syllabus” from 30<sup>th</sup> August - 2<sup>nd</sup> September, 2010 at Department of Zoology, University of Pune.
- Dr. P. K. Bhadane participated in Syllabus discussion workshop on Vocational Electronic Equipment Maintenance (EEM), organized by Nowrosjee Wadia College, Pune on 6<sup>th</sup> September, 2010.

#### 2.10 Average percentage of attendance of students

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

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

Title of the Programme	Total no. of students appeared	Division					Total No of Pass Students
		Distinction	I	II	III		
T. Y. B. A.	378	26 (6.87%)	105 (27.77%)	124 (32.80%)	18 (4.76%)		273 (72.22%)
T. Y. B. Sc.	173	63 36.41%	66 38.15%	07 4.04%	0		136 78.61%
T. Y. B. Sc. (Comp. Sc.)	175	42 24%	65 37.14%	31 17.71%	0		138 78.85%
S. Y. B. Sc. (Bio Tech)	33	--	--	--	16 48.48%		16 48.48%
M. Sc.	355	16 4.50%	115 32.39%	102 28.73%	0		233 65.63%
M. A.	107	2 1.87%	32 29.90%	33 30.84%	0 0%		67 62.61%

#### 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 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.

### 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	09
UGC – Faculty Improvement Programme	--
HRD programs	--
Orientation programs	02
Faculty exchange programme	--
Staff training conducted by the university	--
Staff training conducted by other institutions	--
Summer / Winter schools, Workshops, etc.	(13+01+04)*
Others	02

\* 13 staff members attended workshops, 1 staff member presented paper in workshop and 4 staff members were resource persons at different workshops.

### 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	51(Aided) 09 (Non Aided)	00(Aided) 96 (Non Aided)	--	00(Aided) 11(Non Aided)
Technical Staff	60(Aided) 00(Non Aided)	22(Aided) 00(Non Aided)	--	00(Aided) 01(Non Aided)

## Criterion – III

### 3. Research, Consultancy and Extension

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

- IQAC motivates staff members to pursue research work by guiding them to write research proposals to various funding agencies.
- As a result of efforts put forth by IQAC, various departments organized conference/s, workshops and seminars.

### 3.2 Details regarding major projects (Annexure 3.2)

	Completed	Ongoing	Sanctioned	Submitted
Number	00	03	00	00
Outlay in Rs.	00	11,09,600/-	00	00

### 3.3 Details regarding minor projects (Annexure 3.3)

	Completed	Ongoing	Sanctioned	Submitted
Number	02	11	00	00
Outlay in Rs.	1, 53,000/-	8,85,000/-	00	00

### 3.4 Details on research publications (Annexure 3.4)

	International	National	Others
Peer Review Journals	07	05	--
Non-Peer Review Journals	--	--	--
e-Journals	--	--	--
Conference proceedings	03	01	--

### 3.5 Details on Impact factor of Publications: --

### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organizations (Annexure 3.6)

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned in Rs.	Received in Rs.
Major projects	2010-2012	ISRO/UoP/STC	9,66,000/-	2,91,000/-
	2010-2012	ISRO/UoP/STC	13,64,800/-	8,18,600/-
Minor Projects	2010-2012	UGC	55,000/-	32,500/-
		UGC	1,00,000/-	1,00,000/-
		BCUD	1,50,000/-	75,000/-
		BCUD	1,50,000/-	75,000/-
		BCUD	2,90,000/-	1,45,000/-
		BCUD	75,000/-	37,500/-
		BCUD	3,00,000/-	1,50,000/-
		BCUD	2,50,000/-	1,25,000/-
		BCUD	1,10,000/-	55,000/-
		BCUD	1,50,000/-	75,000/-
		BCUD	70,000/-	35,000/-
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students research projects <i>(other than compulsory by the University)</i>	--	--	--	--
Any other- UGC XI <sup>th</sup> Plan	5 years	UGC	19,26,808/-	19,26,808/-
Total			59,57,608/-	39,21,408/-



3.7 No. of books published with ISBN No. : 07

Sr. No	Name of the author	Title	type of Book & Authorship	Publisher & ISSN/ISBN No.
1	Poonam Ponde	Programming in Java-I	Undergraduate (TY)	Vision Publications, Pune (ISBN: 978-93-5016-017-6)
2	Poonam Ponde	Computer Networks-I	Undergraduate (TY)	Vision Publications, Pune (ISBN: 978-93-5016-016-9)
3	Poonam Ponde	Programming in Java-II	Undergraduate (TY)	Vision Publications, Pune (ISBN: 978-93-5016-063-3)
4	Poonam Ponde	Computer Networks-II	Undergraduate (TY)	Vision Publications, Pune (ISBN: 978-93-5016-067-1)
5	Dr. V H Raybagkar, Dr. K. V. Desa <i>et al</i>	“Emerging Physics”	Reference Book	Pearson 2010. ISBN: 978-81-317-2936-6
6	Dr. I. A. Khan and Dr. U. D. Kulkarni	Text books of 11 <sup>th</sup> , 12 <sup>th</sup> , F.Y and S.Y.B.Sc Geology	Undergraduate	Nirali Publication, Pune ISBN-978-93-83525-09-6 2010
7	H. R. Arvind	Text book of S.Y.B.Sc Electronics Paper –I, Sem II	Undergraduate	Vision Publication, Pune ISBN-978-93-80111-96-4 2010

Chapters in Edited Books: 01

Dr. Kantidevi Lodhi edited poems of book named “Faag”, collection of folk songs.

ii) Without ISBN No. : 03

1	R. P. Bhadane <i>et al</i>	Text book of Physical Chemistry for T.Y. B.Sc. (first term)	Undergraduate (TY)	Manali Publication, Pune (Edition: 2010).
2	R. P. Bhadane <i>et al</i>	Text book of Physical Chemistry for T.Y. B.Sc. (second term)	Undergraduate (TY)	Manali Publication, Pune (Edition: 2010).
3	R. P. Bhadane <i>et al</i>	Text book of Practical Chemistry for T.Y. B.Sc.	Undergraduate (TY)	Manali Publication, Pune (Edition: 2010).

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 (DST-FIST)

3.10 Revenue generated through consultancy: Nil

3.11 No. of conferences/symposia/seminar/workshops organized by the Institution

Level	International	National	State	University	College
Number	--	2	2	3	--
Sponsoring agencies	(See Annexure 3.11)				

3.12 No. of faculty served as experts, chairpersons or resource persons: 09  
(04 conferences + 01 syllabus workshop +04 other workshops)

3.13 No. of collaborations International : Nil National: Nil any other: Nil

3.14 No. of linkages created during this year: 00

3.15 Total budget for research for current year:

From funding agency  From Management of University/College   
Total

3.16 No. of patents received this year: 00

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
03	--	--	--	--	02	01

Name of the faculty	Award name	Agency	Year
Prin. Dr. B. B. Thakur	1. Adarsha Pracharya Puraskar	Board of Education, Pune Municipal Corporation, Pune.	2010
	2. Dr. M.V. Gokhale Best Teacher Prize	Nowrosjee Wadia College, Pune.	2010
	3. Sant Tukoba rai Puraskar	Akhil Bharatiya Sahitya Parishad	2010

3.18 No. of faculty from the Institution : (Ph. D. Guides): 11

Students registered under them : 12

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 State level: 05

National level: 03 International level: 70

3.22 No. of students participated in NCC events:

University level  State level

National level  International level

\* 60 Army + 38 Navy + 06 Air Force

\*\* 02 Army + 06 Navy + 01 Air Force

\*\*\* 08 Army + 06 Navy + 07 Air Force

3.23 No. of Awards won in NSS:

University level  State level

National level  International level

3.24 No. of Awards won in NCC:

University level  State level

National level  International level

(See Annexure 3.24)

\* 09 Army + 16 Navy

\*\* 01 Navy

\*\*\* 01 Air Force

3.25 No. of Extension activities organized (see Annexure 3.25)

University forum	07	College forum	10		
NCC	05	NSS	05	Any other	11

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

a) C.T.S.E. conducted following activities in the year 2010 -11

- **Maharashtra Talent Search Examination :**

The prestigious Maharashtra Talent Search Examination was successfully conducted on by CTSE for the students studying in Std. VIII<sup>th</sup>, IX<sup>th</sup> and X<sup>th</sup>. This was the 19<sup>th</sup> year of conducting the examination. The number of students appearing for this Examination crossed 1 lakh. 1, 17,911 students of 3783 schools from Maharashtra, Goa, Gujarat and Karnataka appeared for the MTS Examination at 740 centers across Maharashtra. Student Training programs were organized at many places in Maharashtra for the preparation of Competitive examinations. Teacher Training Programs and Head Masters Meetings were also organized in several places in Maharashtra. The prizes for the previous year were given. 9666 students were awarded with prizes. Prizes for the current MTS will be given in the next academic year.

- **Graduate Excellence Examination – 2011**

- ◆ The Graduate Excellence Examination was conducted at 14 centers across Maharashtra for the students pursuing graduation / post-graduation.
- ◆ The examination was held at three levels viz. F.Y., S.Y. and T.Y. G.E.E. and there were two streams for each level namely Administrative Services and Management Services.
- ◆ 857 Students from 63 colleges across Maharashtra participated in the examination.
- ◆ Group Discussion and Personal Interviews of top 66 students of S.Y. and T.Y. level were conducted at Pune and Aurangabad.
- ◆ 41 State level prizes, 65 Special prizes and 26 Consolation prizes were awarded to the students in a Prize Distribution ceremony held at Nowrosjee Wadia College.

- **Entrance Examination for ACEC, YASHADA**

- ◆ CTSE conducted the entrance examination for the selection of candidates from different categories for the UPSC Preliminary Examination Coaching program which is conducted by Dr. Ambedkar Competitive Examination Centre (ACEC), YASHADA.
- ◆ The entrance examination was successfully conducted at 07 centers across Maharashtra and 4010 candidates from all over Maharashtra appeared for the Examination.

b) Departmental Contributions :

- Dr. P. K. Patel organized University of Pune Inter Zonal Rifle Shooting, Squash Racket and Cricket Competitions.
- Dr. G. R. Aher of Department of Physics has set up an Atmospheric Physics Research Laboratory for research work.
- Dr. Farhat Surve of Department of Physics has developed three independent computer interfaced work stations using the Phoenix Computer Interface. He continues to be on the advisory committee for PRAYAS - a bimonthly Physics journal for postgraduate Physics students supported by the Institute of Physics.
- Department of History organized rangoli, poster, charts, collage and model making competition on the topic 'History through the medium of Arts'. The competition helped students to understand various topics such as Mauryan, Mughal, Egyptian culture etc.

- Department of Geology and Petroleum Technology organized series of Guest lectures by eminent personalities like Dr. Nitin Karmalkar, Dr. Lalit Kshirsagar and Mr. Vivek Chitale encompassing wide range of topics. ‘Geofest’ was organized by the department in which many competitions were held to motivate creativity and to enrich the knowledge of students.
- An intercollegiate ‘Zoofest’ competition was organized by the Department of Zoology in which wildlife photography, slogan writing, rangoli, model making competitions were held to boost subject interest among students.
- Department of Economics organized a guest lecture to guide T.Y.B.A students for their research projects. Under the guidance of the teachers, students of the Economics Department organized a radio programme on ‘Budget’ for the ‘Vidyavani’, a radio station of the Pune University.
- On the occasion of Hindi Divas, Department of Hindi organized Essay writing and project Competition for students.
- Department of Electronic Science organized a workshop on ‘Light Channel’. They had also organized guest lectures related to the subject. They also organized workshop in which students were given guidance on career opportunities in USA.
- Department of French had organized an inter-class quiz competition based on the General Knowledge about France and French speaking countries. Students also prepared projects on French cuisine and other social and economic topics related to France.
- Department of English in collaboration with The Board of Students’ Welfare, Pune University organized a University level two day workshop on the NET/SET examination to guide and prepare the students for these competitive examinations. Department of English organized ‘Poetry Reading Competition’ for the Undergraduate student.
- Department of Psychology had organized a national seminar on ‘Industrial Organizational Psychology: An answer to HR challenges’ which was attended by over 200 delegates. Eminent speakers from well-known companies like Reliance, Tata Motors, and Aviva etc. were invited to deliver talk and guide our students. Department also organized guest lectures on career opportunities abroad.
- Department of Computer Science organized many events as a part of its Silver Jubilee celebrations which included a national conference on ‘Emerging Trends in Soft Computing’, a Pre-conference workshop and alumni meet. The department also organized sports week, counseling of students, and placement of undergraduate and postgraduate students. ‘TechNTalent’, an annual event comprising many competitions such as programming, project, debate, rangoli etc was also organized by the department.
- Department of Chemistry in collaboration with SET Bhavan, Pune University organized a workshop on SET examination. Silver Jubilee Lecture competition was organized by the department.
- Department of Physics organized a lecture series on the occasion of ‘The Wadians’ Physics Association’. Eminent speakers like Prof. Pandit Vidyasagar, Prof. Dilip Joag, and Prof. Pradeep Kumar guided the students. The college is a centre for the National Standard Examination in Physics, Chemistry, Biology, Astronomy and Junior Sciences held by the Indian Association of Physics Teachers (IAPT) every year.
- Many of our staff members are involved in the work of YASHADA Exam, MTS and GEE Examinations in various roles – Coordinators at different levels, on Board of Studies, as Paper setters etc.
- Gokhale Elocution Cup Competition was conducted on 29<sup>th</sup> September 2010. Twelve teams comprising twenty four speakers from various colleges in Pune participated in the event. The proposition of the house was “The Indian Education system needs to be changed”. Along with our college, students of Symbiosis and Fergusson College won the prizes.

## 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 equipments purchased ( $\geq$ 1-0 lakh) during the current year.	-	14	College UGC	
Value of the equipment purchased during the year ( in Rs)	-	50,22,000/-	College UGC	Rs.33,64,000/- Rs.16,58,000/-
Furniture and Fixtures	8,48,875/- (2009-10)	16,86,521/-	College	25,35,396/-
Library Books (in Rs.)	29,64,793/-	5,45,530/-	College	35,10,323/-
Assembly Hall	01			
Computer Centre	01			
Green House	01			
Botanical Garden	01			
Blind Room	01			

#### 4.2 Computerization of administration and library

- Computerization of the office and administrative work is in the progress. Department of Computer Science has developed in- house software which is used for preparation of result of the students. Tally ERP 9.8 is used for maintenance of accounts of the college as well as of research grants of the teachers.
- The College has a very good library enriched with almost 1 lakh books. Along with a spacious reading hall, it also has separate reading cubicles for staff. Computerization of Library is in progress. Data of 24,000 books is so far entered through SOUL software.

- Most of the departments have a computer and much of their administrative work is computerized.
- In the Computer Science department the attendance system of the students is completely computerized

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books & Reference Books	1,07,493		1637	6,78,969/-	1,09130	
e-Books	--	--	--	--	--	--
Journals	--	--	07	9750/- (yearly subscription)	--	9750/- (yearly subscription)
e-Journals	--	--	--	--	--	--
Digital Database	--	--	--	--	--	--
CD & Video	--	--	--	--	--	--
Others (Magazines, Periodicals)	--	--	50	50232/-	50	50,232/-

- 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 that they need not be purchased.
- Books are also donated by staff as well as students to the departmental libraries.

#### 4.4 Technology upgradation (overall)

	Total Computers	Computer Labs	Internet Lines	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	358	13	2	13	1(10)	24(12+7+5)	334	03
Added	01	00	0	0	0	00	00	00
Total	359	13	2	13	1(10)	24	334	03

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

- The college provides internet facility with a **4 MBPS dedicated connection from Reliance Communications**. It is protected using a Firewall and through a switch, connections are provided to most departments. Department computers are connected through one more level of switch to the Internet. A fibre optic line was laid out to improve internet access speed.
- A separate **Computer Center** 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. Students and staff-members use the Centre extensively for referencing, study material, new developments and updates etc

#### 4.6 Amount spent on maintenance (in Rs.):

ICT (Computer Maintenance + Internet Charges)	7,23,083/-
Campus Infrastructure and facilities	42,84,136/-
Equipment (Lab expenses)	25,03,322/-
Others (Sanitation and cleanliness)	4,13,063/-
Total	79,23,604/-

## **Criterion – V**

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

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

The student support service details are made available to students by displaying them regularly on the notice board.

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

For tracking the progression, the teacher- student interaction system is followed. The following student support services are provided by the college:

##### 1. Earn and Learn Scheme:

A large number of students are registered under this scheme. This scheme helps economically weak students to bear some of their educational expenses. N.K. Bhagat from Geography department is in-charge of this scheme. This year 28 boys and 12 girls were benefitted from this scheme. Total Rs.1, 84,360/- funding was received out of which Rs. 30,495/-contributed by college and Rs. 1, 53, 865/- was contributed by University of Pune.

##### 2. Scholarships:

Various Central and State government scholarships and a few Corporate Scholarships and free ships are given to the students of various categories like SC, ST, NT and OBC.

##### 3. Physically handicapped students also get scholarships.

##### 4. Reservation of seats policy is also followed for specific categories of students.

##### 5. Free health check-up : Compulsory health check-up is also done for F.Y.B.Sc students. A doctor does the check-up who is assisted by a medical team of staff members appointed by the college.

##### 6. Help for physically handicapped students: Lifts have been provided in the newly constructed buildings which is made available to these students.



7. Blind students : A large number of blind students take admission in our college. This year 25 blind students had taken the admission in our college. Separate seating arrangements are done for them and extra time is also given to them during examination.
8. Foreign Students Forum: A large number of foreign students are present on our campus and this forum serves to guide them during the admission process, filling examination forms etc.
9. Samata Mandal: Organizes various programs showcasing eminent people who are the source of inspiration for our students. This year Samata Mandal organized following events:
  - The Inaugural function of Samata Mandal was held on 20<sup>th</sup> Sept 2010. Prof. Lakshman Mane (Padma Shree awardee) was the Chief Guest of the function on this occasion; he underlined the need for equality of education and employment even after 60 years of independence of the country.
  - 120<sup>th</sup> birth anniversary of Dr. Ambedkar was celebrated on 14<sup>th</sup> April 2010. Shri Panjabrao Wankhede (Social Welfare Dept., Govt. of Maharashtra) was the chief guest for the function.
10. Debating Association organizes elocution and extempore speech competition for students.
11. Coaching classes for competitive examinations: Various departments shoulder the responsibility of coaching students for various competitive examinations like UGC-NET, IIT entrance examination, GEE and University entrance examination.
12. Entrepreneurial skills: Electronics department provides entrepreneurial skills of Electronics Equipment Maintenance to the students.
13. Department of Psychology organized a National conference on 'Industrial Organizational Psychology: Answer to HR challenges'. Eminent speakers from Tata Motors, Reliance, Aviva etc. delivered talks and guided our students.
14. Internet facility centre situated in Computer Science Centre building provides internet facility to students with a nominal fee.
15. Students' Aid Fund- Rs. 5,025/- was paid by the college to help the students who cannot pay the academic fees viz. students from weaker sections and physically handicapped, visually challenged students.

5.3 (a) Total Number of students:

UG: 3104 (2461 Grant, 643 Non Grant)      PG : 1111      Ph. D. : 00

(b) No. of students outside the state: 246(G) + 58(NG) = 304

(c) No. of international students: 76(G) +51(NG) = 127

Men : 1371 (G) + 874 (NG)    Women : 1090 (G) + 879 (NG)

Men	No.	%
	2245	53

Women	No.	%
	1969	47

	Last Year (2009-10)						This Year (2010-11)					
	General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
Grant	1601	491	45	237	-	2374	1467	494	33	467	13	2461
Non Grant	1067	193	16	291	-	1640	1110	168	16	334	00	1754

Certain categories of students are not reflected in the above table.

Demand ratio

Sr No.	Course Name	No. of Applications Recd.	No. of Seats	Demand ratio
	<b>UG</b>			
1	F.Y.B.Sc	707	480	1 : 1.472
2	F.Y.B.A.	775	600	1 : 1.291
3	F.Y.B.Sc Computer Science	1315	160	1 : 8.218
4	F.Y.B.Sc Biotechnology	195	45	1 : 4.333
	<b>PG</b>			
1	M.Sc Electronics	37	24	1 : 1.541
2	M.Sc Physics	55	24	1 : 2.291
3	M.Sc Petroleum Technology (Applied)	71	48	1 : 1.479
4	M.Sc Geography	39	24	1 : 1.625
5	M.Sc Chemistry	551	168	1 : 3.279
6	M.Sc Zoology	36	24	1 : 1.5
7	M.Sc Computer Science	1936	60	1 : 32.26
8	M.Tech ( Industrial Mathematics with Computer Applications	235	30	1 : 7.833
9	M.A. English	91	60	1 : 1.516
10	M.A. Economics	93	60	1 : 1.55
11	M.A. Psychology	74	24	1 : 3.083

Dropout %

Sr. No.	CLASS	DROPOUT %
1	F.Y.B.Sc.	13.75
2	F.Y.B.A.	5.16
3	F.Y.B.Sc. Comp. Science	1.875
6	M.Sc. Physics	4.16
7	M.A. Economics	10
9	M.A. English	1.66
10	M.Sc. Chemistry	0.595

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

- Department of English in collaboration with the Board of Students' Welfare, Pune University organized a University level two day workshop on NET/SET examination to coach the students for these competitive examinations.
- Department of Electronics organized a State level workshop on 'Preparation of students' final year projects and their exhibition' on 20<sup>th</sup> January, 2011 to provide coaching to the students.
- Department of Mathematics trains and coaches the students for the Madhava competition, IIT JAM and University entrance examination.
- Department of Chemistry in collaboration with SET Bhavan, Pune University organized a university level workshop on SET examination aimed to give coaching to the students.
- Many teachers of the college guide and coach the students for Graduate Excellence Examination (GEE). Teachers also help in conducting and assessment of the above examination.

No. of students beneficiaries: 857 (GEE)

5.5 No. of students qualified in these examinations- Nil

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

5.6 Details of student counseling and career guidance

- Faculty members of all departments interact with students mentoring them. Computer Science Department has done this in an organized manner where each staff member is allotted students for mentoring throughout the year.
- The college has a Disha counseling centre with a professional counselor.
- Department of Electronics organized a workshop in which guidance was given to students on Career opportunities in USA.
- On the occasion of Hindi Divas, department of Hindi organized essay writing and project competition for students which would help them in near future.

- Computer science department organized ‘TechQriosity’ an intercollegiate event where eminent people from top industries and software companies come and give career guidance to the students.
- Department of Physics designed innovative live laboratory demonstrations of experiments which helped the students to understand difficult concepts.

No. of students benefitted: Personal counselling – 15 (Psychological)

Through Workshops – 200

Techqriosity – 120

Sports – 150

Project Mentoring – 80

### 5.7 Details of campus placement

#### **Petroleum Technology**

<b>On campus</b>			<b>Off Campus</b>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
SHIV-VANI Drilling	15	1	29

#### **Students placed off Campus**

<b>Name of Company</b>	<b>No. of candidates employed</b>
Yennai Hydrocarbon	05
Oil Field Instrumentation Ltd (OFI)	02
Weatherford International (Kuwait)	13
MI SWACO (Schlumberger)	01
Halliburton	03
Baker Hughes	02
Weatherford Gabon(Africa)	01
Weatherford India	01
NABORS (France)	01

## Chemistry

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
Jubilant Chemsys Limited, Noida.	500	9	6
Lupin Limited Mumbai, (Placement for Tarapur Branch)	300	4	6

### 5.8 Details of gender sensitization programs:

Womens Forum was established in 2010 in the college to focus on women oriented issues as women can engage in social activities as well as work for the betterment of the society. Various programs are organized throughout the year where eminent socially active women are invited to address our audience in college. This year ex- mayor, social worker and advocate Vandana Chavan gave a talk on “Role of Women in Development of India” on 13<sup>th</sup> August 2010.

Savitribai Phule birth anniversary is celebrated in our college every year as she was Modern India’s first women teacher and a radical exponent of female education. She was a champion of women’s liberation who took on the forces of caste and patriarchy. Her life and struggle deserves to be appreciated and is a source of motivation for all women of India.

### 5.9 Students Activities

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

State/ University level: 29                      National level: 20                      International level: 00

No. of students participated in cultural events

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

More than 200 students from different countries participated in Asian Festival organized by the Arts Circle ‘Nirmittee’. During the festival, students participated in a series of cultural programs such as dance, drama, singing, fashion show etc.

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

Sports :

State/ University level : 23                      National level : 00                      International level : 00

Cultural :

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

Other : 00

#### 5.10 Scholarships and Financial Support

	Number of students	Amount in Rs.
Financial support from institution	95(G)	46,178/-
Financial support from government	1990(G) 166(NG)	37,35,710/- 20,12,404/-
Financial support from other sources	--	--
Number of students who received International/ National recognitions	122(G)	9,44,603/-

#### 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

T. Y. B.Sc students of Zoology department organized and celebrated teachers' day in the department on 5<sup>th</sup> September 2010.

All the students of the college organized and celebrated Traditional Dress Day on 14<sup>th</sup> February 2011.

PG students organize Welcome function and farewell to outgoing students in all the departments.

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

NCC Students:

1. NCC navy cadets participated in social activities like the Pune Marathon,
2. Cycle Rally on Anti- Smoking Day
3. Blood donation Camp
4. Environmental Awareness Rally as volunteers.
5. Lecture on Environmental Awareness was organized in our college on 11<sup>th</sup> November 2010.

NSS Students:

1. Campus cleaning under 'Nirmal Wadia Abhiyan'
2. Participated in Cycle Rally.
3. More than 50 NSS volunteers helped blind students as writers for university examinations.

Celebration of Birth anniversary of social reformers like Mahatma Gandhi, Savitribai Phule, Swami Vivekanand, Chattrapati Shivaji Maharaj, Mahatma Phule, Dr. Babasaheb Ambedkar etc.

PG students of Economics organized a radio programme on 'Budget' for Vidyavani, a radio station of Pune University.

5.13 Major grievances of students (if any) redressed:

There was no major grievance this year. Small difficulties of students like changing practical batches were done by the teachers concerned. Other difficulties like students being absent for a long duration were brought to the notice of the Head of the Department and further to the Principal if needed.

## **Criterion – VI**

### **6. Governance, Leadership and Management**

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

- **Vision:** To provide a holistic all-round education to our young generations of students and to instil in them the true Wadian spirit embodied in the phrase "Sportsmanship on and off the field".
  
- **Mission:**
- To promote cultural and value education
- To maintain conducive environment for educational activities
- To encourage faculty to improve their qualifications and to keep abreast of latest developments in respective fields
- To promote Industry – Institution interaction
- To generate resources
- To encourage alumni activity
- To encourage students to become good, responsible, broad minded citizens equipped with necessary knowledge and moral values for meeting the needs of Society.

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

The College uses software indigenously written and produced by the Department of Computer Science. This software provides computerized examination related work, including generating results.

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

##### **6.3.1 Curriculum Development**

- Modern Education Society is governed by the Academic Council which looks after the academic activities of the college.
  
- Heads of departments monitor and look after the academic well-being of their respective departments.

- Faculty members of various departments are involved in framing of new syllabi as per the guidelines of University of Pune.
- Heads of department of various subjects are Members of Board of Studies in the University of Pune. Dr. Mrs. S. C. Shirwaikar, Head of the Computer Science department and Dr. U. D. Kulkarni, Head of the Geology department are members of Board of Studies, University of Pune. Prof. I. A. Khan from Geology department is also a co-opted member in the Board of Studies, University of Pune.

### 6.3.2 Teaching and Learning

- Majority of the staff members prepare Study Notes for the students which are simplified versions of the subject matter so as to help the students grasp the subject easily.
- The teaching and learning process in the college is overseen by the College Standing Committee, Local Managing Committee and also by Heads of the departments.
- Guest lectures and Seminars are arranged regularly so as to update the students on the latest information.
- Innovative practices in teaching are used like power point presentations, films and software to explain the subject matter in a lucid way.
- Faculty members along with the students of various departments of the college regularly visit renowned institutes such as IUCCA, IITM, IMD, NPL, NCL which gives them opportunity to interact with the eminent scientists of these institutes.
- Outdoor studies and surveys are carried out to make the subject more effective by organizing study tours and camps.
- Lectures by eminent academicians, workshops, seminars, quizzes, exhibitions are organized to enhance the learning capabilities of students.

### 6.3.3 Examination and Evaluation

- Various staff members of the college go for paper setting, paper checking for theory courses and as external examiners for practical courses of University of Pune.
- The college examination committee is functional and takes care of the Senior College examination.
- Internal examination held at college level has question papers of both objective and subjective questions in accordance with the University pattern.
- The paper setters write model answers before the answer sheets are checked and these are made accessible to students.

### 6.3.4 Research and Development

- There are 3 recognized Research Centres in the college in the following four departments :- Chemistry, Physics and Geology.

Fifteen faculty members are recognized M. Phil and PhD guides who guide faculty as well as students in their research work.

- Faculty members are motivated to undertake minor and major research projects. Three staff members are working on the major research projects sanctioned to them.



- Several faculty members have attended conferences workshops and seminars. Sixty two teachers participated in conferences out of which ten presented papers. Eight staff members have served as experts, chairpersons and resource persons at seminars, conferences, symposia etc. Nineteen teachers attended workshops in their respective subjects.
- Six workshops and one state level seminar were organized this year.
- Prof. H.T. Zombade from Geography Department presented a paper on “How to Formulate Research” at the National Conference on Research Methodology in Geography at Shri Havagiswamy College, Udgir, District Latur.
- Nine teachers completed Refresher Courses and two teachers attended Orientation Programs.
- Two staff members have written 8 chapters in books with ISBN Nos.
- Students are encouraged to undertake research. T.Y.B.Sc. Botany students Ms. Shalaka Berwal, Mr. Amol Dewale, Mr. Tony Thomas and Mr. Kishan Tripathy participated in the Avishkar Research Competition organized by University of Pune at Fergusson College on 16<sup>th</sup> December 2010.

#### 6.3.5 Library, ICT and physical infrastructure / instrumentation taken.

- Every department has its own Purchase Committee which looks after the purchasing of new equipments required in the department. The recommendations of this Committee are submitted to Principal for approval and further action.
- Faculty members of U.G. and P.G. use power point presentations for lectures.
- Internet is also used to display / share lecture notes with PG students by some of the teachers.
- Various departments make use of ICT.
- Zoology P.G. students use Bioinformatics tools for sequence alignment and literature search for some practicals.
- P. G. students also make use of research papers and e-books after downloading the same from the internet.
- Faculty from the Zoology and Biotechnology departments show animations & videos to students to generate interest and for better understanding of the subject matter.
- The Computer Science department has a computerized attendance system for the students.
- Some departments have a system where students are motivated to deliver lectures in order to encourage them to use ICT tools.
- All the Science departments have well equipped laboratories and funds from various agencies are also obtained to get additional equipment.
- Generator back up facility is available in the campus which facilitates and enables continuity of practicals in case of power failures.
- The Library committee looks after the purchase of books and journals and allocates sufficient budget for each department.

#### 6.3.6 Human Resource Management

- The Modern Education Society which runs Nowrosjee Wadia College, is unique in the sense that it is a teacher managed Society which facilitates better understanding of the problems and issues concerning Staff.
- Management and Staff members of the college have various meetings throughout the year which allows for free exchange of ideas and helps solve problems if any.
- The Staff Members select four Local Managing Committee Members, 3 from teaching and 1 from non-teaching staff, who support the Management in the smooth functioning of the college.
- Every department conducts meetings on a regular basis where the Head looks in to the matters related to students and staff members.
- Distribution of theory and practical courses are also discussed in these meetings at the commencement of each term.
- Details of Seminars, Conferences, and Workshops etc. are brought to the notice of staff members by the Head. This encourages staff members to actively participate in these events.

- In case of a new appointment in any department it is customary for the Head and other senior staff members to guide them, with regards to the syllabus and other aspects of classroom teaching. They are also provided with text and reference books from the departmental and the Main library.
- Scholars' Day and Gymkhana Day are used as a platform to felicitate teachers for their exemplary work. Dr. M. V. Gokhale award and the Platinum Jubilee awards are given to two outstanding staff members of the college every year. This year Dr. Jadkar prize was given to Mr. Ganesh Pawar. Ph.D prizes were given to Prof. R. M. Phadke and Prof. M. M. Musmade.
- Various committees like – Examination, Gymkhana, Admission, Arts Circle, Students Welfare, NSS, NCC, Marathi Vangmaya, Debating Society, Mahatma Phule Adhyasan, Samata Mandal, Women's Forum, Staff Academy, Disha Counselling Centre, Medical Check-up are active in the premises and enable proper functioning of the college.

#### 6.3.7 Faculty and Staff recruitment

- Merit and reservation policies are followed for recruitments.
- Recruitment of Faculty, Administrative and Support staff is done in accordance with the rules and regulations. The recruitments are done as per the work load and vacancies created.

#### 6.3.8 Industry Interaction / Collaboration

- College has interactions with various industries.
- Dr. V. V. Chabukswar, Department of Chemistry has MoU with Dr. Daniela Pencheva, Department of Microbiology, Bul- Bio- NCIPD Limited. This company is located at Sofia, 1504-Bulgaria.
- Various departments have placement cells which arrange placements for students in different industries. Zoology department is in contact with NCL and ATS Korean Exports Pvt. Limited, Pune for placements of students.
- Experts from various industries are invited to be judges for various competitions held in college.
- Students are deputed in industries as a part of industrial training for a short span.
- Experts from various industries are called to deliver guest lectures, workshops, seminars etc.
- Study Tours are organized for students to visit various industries.

#### 6.3.9 Admission of Students

- While admitting students, stipulated norms and regulations are followed strictly. During process of admission, merit and reservation criteria are taken into account as per the existing guidelines.
- Heads of Departments and senior staff members counsel students at the time of admission to enable them to make the right choice of subject/s.
- For P.G. courses many departments conduct their own entrance examinations and admissions are done based on the performance in the entrance examination and the final year results. Here too, merit and reservation policies are strictly adhered to.

#### 6.4 Welfare schemes for :

##### Teaching & Non-Teaching Staff:

- Modern Education Society's Employees Credit Cooperative Society is located on campus which provides loans to members at reasonable rates. Fixed Deposit and Recurring Deposit facilities are also available.
- Group Insurance Scheme is available for staff members.

- The non-teaching staff of various departments working in laboratories are deputed for training in Laboratory and Equipment Maintenance, to learn and implement safety measures.
- The teaching and the non-teaching staff have access to a free-of-charge Dispensary on the Campus, where a doctor is available during specified timings.
- Every year the teaching staff members of Zoology department share the festive joy of Diwali by giving gifts to the non-teaching staff of the Department. This practice has been followed by the Zoology department for the last 40 years.
- The Zoology department has annual get together of teaching and non-teaching staff followed by lunch. This serves as a good team building exercise.

#### Students:

- The college has the facility of Earn and Learn Scheme under the Karmaveer Bhaurao Patil Scheme funded by University of Pune. This year 25 of students were appointed under the scheme in various departments.
- This year Rs. 1,84,360/- funding was received for this scheme out of which Rs. 30,495/- was contributed by college and Rs. 1,53,865/- was contributed by the University of Pune. Various programs were organized specifically for Earn and Learn Scheme students and they are listed below:-
  - i) A Lecture on “English Communication Skills” was organized by the Board of Students, Welfare, Nowrosjee Wadia College. Fifty students attended the lecture.
  - ii) A Computer Training Programme for the Earn & Learn students was organized.
  - iii) A two day workshop was organized by Sangamner College, Sangamner on 6<sup>th</sup> and 7<sup>th</sup> February 2011. Two students from Earn & Learn Scheme from the college participated in this workshop.
- A “Disaster Management Camp” was held at Bhosale Military School, Nasik from 12<sup>th</sup> to 16<sup>th</sup> February 2011. Two students from the college participated in this camp.
- The Department of English, Nowrosjee Wadia College in collaboration with the Board of Students’ Welfare, Pune University organized a University level two day workshop on NET / SET examination to guide and prepare students for these examinations. This workshop was attended by students of all PG centres of Pune city and from their feedback it was evident that the workshop was of great help to them.
- Department of Electronics organized a State level workshop on “Preparation of students’ final year projects and their exhibition” on 20<sup>th</sup> January 2011.
- The College organized a lecture on “Passbook Scheme” for reservation category students. Mr. B. D. Kadam- Manager, Bank of Baroda delivered the lecture and explained the scheme to the students. Bank of Baroda gave passbooks to students receiving scholarships which were handed over by Prin. B. B. Thakur & Vice- Principal Dr. S. L. Bonde.
- The College has number of blind students. About 07 students took admission this year. The college has a ‘Louis Braille Writers Club’, whose members are some students of the college. These students along with outside volunteers help the visually challenged students as writers in the examinations.
- The College takes initiative in helping socially and economically backward class students in obtaining scholarships.
- Dispensary on the college campus is made available to students free of cost.
- Medical Check-up of first year UG students is organized by the college.
- Students can also avail of the facility of a Gymnasium in the college premises which is free of cost.
- The college gives a ‘Noble student of the year’ award to an outstanding student every year. Mr. Ajit Eknath Bhor from T.Y. B. Sc. received this award. Mr. Aniruddha Bhosale from T.Y. B. Sc. was given the best student award in NSS. Several such awards are given to encourage and motivate the students to excel.

6.5 Total corpus fund generated: 00

6.6 Whether annual financial audit has been done: Yes

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

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

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

For UG Programs: NA

For PG Programs: NA

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

Increasing number of examiners, Central Assessment of Papers (CAP) are some of the efforts taken by the university so as to speed up the result declaration process.

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

University time to time organizes conference, lectures to generate awareness about the autonomy in the colleges.

6.11 Activities and support from the Alumni Association

- The college has an Alumni Association called Wadians' Association. The Wadians' Association members have a get-together on the College Foundation Day which is 21<sup>st</sup> July and also on the Modern Education Society Foundation Day which falls on 15<sup>th</sup> February.
- Veteran sports alumni provide a helping hand in coaching our budding young sportspersons.
- Few alumni through lectures guide our students for job opportunities.
- Few alumni organize Blood Donation Drives in the college campus in association with prominent hospitals like Ruby Hall and Jehangir Hospital of Pune city.
- Many alumni have kept prizes for meritorious students to motivate them.
- Several departments have meetings with the alumni on a regular basis. Computer Science Department had a meeting with the Alumni during its Silver Jubilee celebrations this year. The Department of Petroleum Technology also conducts meetings with its alumni annually.

6.12 Activities and support from the Parent – Teacher Association.

- PTA meetings are organized and serve as an ideal platform to discuss with the parents the performance of their wards. Discussions are held regarding teaching and extracurricular activities. Dialogue between parents and teachers is initiated where the difficulties encountered are noted and resolved.

### 6.13 Development Programs for support staff.

- The Non-Teaching staff members are trained to use computers in their office work.
- They are guided to improve their qualifications which would be useful for their future prospects.
- In case of urgent financial need, some monetary advance is given by the College Office, to be returned by the beneficiary before the financial year ends.
- The staff members are encouraged to go for training programs to update their knowledge.

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

- The college has facility for Rain Water Harvesting.
- Trees are planted to make the campus look green and aesthetical.
- Prominent Ornithologists and Environmentalists are invited to deliver lectures and create awareness amongst students and staff in terms of saving our environment.
- Lecture on “Environmental Awareness” was organized in the college on 11<sup>th</sup> November 2010 to create awareness regarding eco- friendly initiatives to be taken for sustainable development.
- Waste from college canteen and hostel kitchens are placed in Vermi-compost pits near college playground. The fertilizers thus obtained are subsequently used for the college garden.
- A survey of birds of Nowrosjee Wadia College campus was undertaken this year by T.Y. B.Sc. Zoology students under the guidance of Dr. Usha Ashtekar. This initiative was taken in order to create awareness of the different types of birds in the campus and to emphasise the need to protect them.

## **Criterion – VII**

### **7. Innovations and Best Practices**

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

- The college being cosmopolitan, students are taught to respect each other’s nationality, religion and caste. This holds the key to a harmonious future as it helps them to grow into responsible citizens of tomorrow.
- Home assignments for UG and PG students have been introduced.
- Intercollegiate exhibitions and competitions are organized by almost all the departments where prizes are given. Students of different colleges enter with novel ideas and leave our college with a content heart as they also win prizes.
- Staff members encourage students to give a presentation on a topic of their choice to make them free of stage fright, which also builds confidence in them.
- Feedback on teachers is collected from the students with the aim of inspiring teachers to improve in a positive manner.
- Rain water harvesting practice is followed on the campus.

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

The IQAC members are involved in the day to day functioning of the Institution and as such have an eye on the plan of action decided at the beginning of the year. An informal review is taken at the end of the year to confirm that the plans have been met with and the plans for the next year are made accordingly. The IQAC members through discussions analyze why certain plans worked well and appreciate those responsible for the execution of the plans and also analyze why certain plans could not be met with and motivate the members who were not able to meet them to do better in the next academic year.

### 7.3 Give two Best Practices of the institution

- A large number of students are registered in the Bhaurao Earn n Learn Scheme for students from the economically weaker sections of society. Besides providing financial support, this practice allows them to be self-respecting individuals, who develop confidence in themselves and in their innate abilities.
- The Department of Chemistry conducts the “Silver Jubilee Lecture Competition” for the post graduate students for the last fourteen years. Participating students are allowed to speak on any scientific topic of their choice. Prizes are given to the three best speakers. This activity provides a platform to the students to express themselves in front of an audience which helps to build confidence in them. This plays a very important role in shaping their career in future.

### 7.4 Contribution to environmental awareness / protection

- Tree plantations are carried out by Botany department, NSS and NCC volunteers.
- Students and staff are encouraged to switch off lights and fans when not required. This inculcates the good habit of conserving electricity.
- Rain water harvesting project has been initiated to conserve and reuse water on the campus.
- Experts were invited to give talks on environment related issues. N. K. Bhagat from Geography department gave a talk on “Environment awareness and energy conservation” to the NCC students of our college.
- T.Y. B. Sc. students have studied and documented various types of birds on the Wadia College campus. This year 24 different bird species were sighted and recorded on the Wadia College campus.
- Vermi-compost pits have been made at the back side of the college ground for collecting wet waste from the canteen.
- Waste Management rules are followed for hazardous chemicals in accordance with the Central Pollution Control Board regulations.
- During exhibitions students are encouraged to make exhibits, posters and rangolis on environment related themes to awaken environmental consciousness in them.
- Paper cuttings related to environmental pollution reflecting changes in the environment are displayed on the notice boards for the students from time to time.

### 7.5 Whether environmental audit was conducted?

No.

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

- Huge library, Tata Assembly Hall, Seminar hall and a big canteen marks its presence on the campus.
- Dispensary is made available to the students, teaching and non-teaching staff –free of cost.
- Separate hostel for girls and boys is present on the campus.
- There are separate common rooms for boys and girls on the premises.
- There is a Post office and a Bank (Bank of Baroda) on the campus.
- The college has a Debating Society which conducts competitions like elocution, extempore etc.
- College has a Foreign Students Forum to guide the large number of foreign students on the campus.
- ‘Nirmiti’, the Arts Circle, organizes cultural events for students every year to showcase their talents.

- The Staff Academy organizes annual get together where the teaching and non-teaching staff meet and perform. This activity provides an opportunity for all staff members to mingle in a much required informal way to be able to work in better harmony with each other.
- The college has a huge play ground with a cricket ground, basketball & volley ball court. Gymnasium is also located on the ground.
- Principal Dr. B. B. Thakur was given Adarsha Pracharya award by Board of Education, Pune Municipal Corporation. He was also given Santa Tukobaray Puraskar by Akhil Bharatiya Sahitya Parishad.
- The college has instituted the ‘Dr. M. V. Gokhale Award’, awarded annually to a Teacher for exemplary research work in that academic year. This year the award was given to Prin. Dr. B. B. Thakur.
- The college holds entrance tests for competitive examinations like MTS, GEE & YASHADA. Maharashtra Talent Search (MTS) examination is conducted by the college for Maharashtra, Karnataka, Goa and Gujarat every year for school students. This year, sixty one students from Srinagar (Kashmir) appeared for this exam.
- The “Literary Association” is an annual event organized by the English Department where eminent people of literary background are invited to have an interaction with students and staff. This year Prin. Padmakar Punde (retired) inaugurated this activity.
- The Department of English organizes the “Research Club” activity annually where students and staff participate in various activities related to research work. This year a book titled “The Spirit of Research” edited by the Head of Department Dr. Manoj Bhise was released by BCUD Director Dr. W.N. Gade at a function organized by the club.
- A programme named “Unity in Diversity” was organized by the college where students wore dresses symbolizing the different states of India. There were accompanying songs and dances based on this theme. This is keeping in tune with the cosmopolitan environment that the college boasts of. Chief Guest Ex- Home Minister of Maharashtra Shri Ramesh Bagwe was felicitated by Principal Dr. B. B. Thakur on this occasion.
- A Programme on “Asia Rising” was organized by the college where students belonging to various Asian countries displayed the flags of their respective countries. Photographs of eminent people of these countries were also displayed. This programme was attended by the Mayor of Pune Shri. Mohansingh Rajpal and Jt. Director of Education Dr. Narendra Kadu.

## **SWOC**

### **Strengths:**

- The College is run by a teacher-managed Society.
- The college is cosmopolitan with students of diverse cultures studying here.
- Numerous PG courses are run by the college.
- Various departments have placement cells.
- The College has an atmosphere conducive to research.
- A large number of students are enrolled in Earn and Learn Scheme.

### **Weaknesses:**

- Keeping with the demand of the times, the number of courses run by the college has increased, consequently resulting in an increase in the number of students. However the campus size has remained the same. This has created paucity of space.
- Limited funds for self-financed courses.
- Pressure on infrastructure due to large number of students.

**Opportunities:**

- To run placement cells in a more organized manner.
- To motivate students in their areas of interest which may give them an opportunity to explore career options and gain training with professional development.
- Introduction of student exchange programs as a tie up / collaboration with Foreign Universities.

**Challenges:**

- For teachers to perform a proper role of academicians by balancing and involving both teaching and research.
- Increasing the number of research journals in the library.
- To inculcate and promote independent thinking among students so as to make them socially conscious.

**7.7 Plans of the institution for next year****a) Infrastructure Development**

- To obtain more equipment for UG & PG students.
- To make available more space / classroom to PG students.
- To increase the number of computers.

**b) Academics**

- Department of Computer Science to organize a one day workshop on M. Sc. –II syllabus Implementation.
- Department of Computer Science to conduct a NET /SET workshop.
- Mathematics Department to celebrate 124<sup>th</sup> birth anniversary of Shrinivas Ramanujan.
- English Department to celebrate bi-centenary birth anniversary of Charles Dickens.
- Department of Geology to organize a workshop for M. Sc. Petroleum Technology students.

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

- Economics Department to organize “Academic Club” where faculty members would give lectures on various economic issues every month.
- Chemistry Department to collaborate with Lupin Company and to give research projects to top ranking students of our college as Lupin Scholars.
- Philosophy Department to organize a seminar on “The relevance of Philosophy in today’s Life”

**d) NCC**

- NCC to send students to attend Prime Minister’s Rally on Republic Day in Delhi.

**e) Sports Activities**

- To motivate girl students to participate in sports like Karate and Kick boxing and to encourage them to set the target of winning medals.



**f) Environment Related**

- Geography Department to organize lectures on Environmental awareness.
- To create awareness amongst students, teaching and non-teaching staff regarding conservation of energy.

**g) Alumni**

- Geology department to organize Alumni meet of M.Sc. Petroleum Technology students.

**h) Social Initiatives and Extension Activities**

- NSS to create awareness regarding women empowerment, cleanliness drive, superstitions, female foeticide etc. for the villagers during NSS Camp.

## ANNEXURES

### Annexure (1.1a)

**Ph.D. Programs** (The number of Ph. D. Programs shown here is indicative of the number of recognized research centers in the college. There are however 11 recognized research guides in different departments).

1. Chemistry
2. Physics
3. Geology

### Annexure (1.1b)

#### P.G. Courses

1. M. Sc. Computer Science
2. M. Tech (Industrial Mathematics with Computer Applications)
3. M. C. A. (Science Faculty)
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. Geography
13. M. A. Geography
14. M. A. Psychology
15. M. A. Economics
16. M. A. English

### Annexure (1.1c)

#### 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. Defence & Strategic Studies
6. Industrial Mathematics
7. Mathematical Statistics
8. Applied Mathematics
9. Mathematics General
10. Descriptive Statistics
11. Logic and Methodology of Science
12. Philosophy

### **Science Faculty**

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

- 1) Mathematics
- 2) Physics
- 3) Chemistry
- 4) Zoology
- 5) Geology
- 6) Electronics Science
- 7) Botany

#### **Subjects (Not included in the count of the UG Programs mentioned above)**

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

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

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

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

1. Electronics Equipment Maintenance
2. Industrial Chemistry

### **Annexure (1.1d)**

1. Post Graduate Diploma in Analytical Chemistry

### **Annexure (1.1e)**

1. B. Lib & I. Sc. (Library and Information Science)

### **Annexure (1.1f)**

#### **Interdisciplinary Courses:**

- M. Tech (Industrial Mathematics with Computer Applications)

### **Annexure 1.3**

#### **Feedback from Stakeholders:**

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

#### **Feedback from Employer:**

Placement officers are in continuous contact with the organizations/companies who come for placements. Every year when these visit the campus, they provide feedback. Some companies continue to visit the campus year after year for recruitment due to the satisfactory performance of the students recruited earlier. We also receive feedback through emails from them showing appreciation for having provided them with good employees.

#### **Feedback from Students:**

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

#### **Analysis of Feedback**

Since the mode of feedback is of a manual nature, no formal analysis can be provided here. However, timely implementation of good suggestions is done so as to ensure improvement in all aspects related to the college.

### **Annexure 2.5**

- Deokar S. B attended University of Pune funded State level Conference on “Microbiology in 21<sup>st</sup> Century” on 25<sup>th</sup> - 26<sup>th</sup> Feb 2011 at Modern College of Arts, Science and Commerce Pune-5.
- Gohad A, Joshi D, Arvind H R, Abhyankar N, Borse N, Ponde P, Dr. Shirwaikar S, Guha T, Babrekar V, Jadhav V, Latpate S, Dr. Boxwala S A, Nanda Ranade attended the National conference on ‘Emerging trends in soft computing’ from 2<sup>nd</sup> - 3<sup>rd</sup> February 2011 at Nowrosjee Wadia College, Pune jointly funded by DST and Tata Teleservices Ltd. and University of Pune under its Quality Improvement Programme.
- Dr. Shirwaikar S. C. attended the International Conference on ‘Advances and Emerging Trends in Computing Technologies’ from 21<sup>st</sup> - 24<sup>th</sup> June 2010 at School of Computing, SRM University, Chennai, Tamilnadu, India.

- Bharathi R. attended the BCUD funded State level conference 'Innovation' from 22<sup>nd</sup> - 23<sup>rd</sup> November 2010 at H.V. Desai College.
- Jadhav V attended the HRI funded International workshop cum conference on 'Groups, Actions, Computations 2010' from 1<sup>st</sup> - 12<sup>th</sup> September 2010 at HRI Allahabad.
- Jadhav V attended the BCUD funded State level conference on 'Expanding wings in mathematics in the field of Basic Sciences, Engineering Sciences and Medical Sciences' from 28<sup>th</sup> - 29<sup>th</sup> December 2010 at Poona College, Pune.
- Jadhav V attended the national symposium on 'Number Theory' from 1<sup>st</sup> - 3<sup>rd</sup> May 2011 at Bhaskaracharya Pratishthana, Pune.
- Sagalgile D attended a National level seminar on "Dimensions of Non Traditional Threats to India's Security: Challenges and Responses" on 4<sup>th</sup> - 5<sup>th</sup> of February 2011 organized by National Congress for Defence Studies.
- Salve J attended a National level Conference on "ELT Language and Culture" from 11<sup>th</sup> to 12<sup>th</sup> February, 2011 at ELTIS, Aundh. He also attended the BCUD funded State level Seminar on "Understanding Drama" from 13<sup>th</sup> - 14<sup>th</sup> January 2011 at H.V. Desai College, Pune.
- Jadhav V attended a seminar on "Academic Writing" on 23<sup>rd</sup> February 2011 at Saint Mira's College, Pune and a State level conference on "Positive Discrimination" on 28<sup>th</sup> February 2011 at S.P. College, Pune.
- Jadhav V attended a National level Seminar on "Comparative Studies and Translation" Studies From 25<sup>th</sup> - 26<sup>th</sup> March 2011 at University of Pune.
- Jadhav V. attended a UGC funded National level conference on "Understanding Caste" on 28<sup>th</sup> March 2011 at S.P. College, Pune.
- Paranjape A attended an International level conference on "Learner and Teacher Autonomy" organized by Ramnarain Ruia College, Mumbai.
- Dr. Aniruddha J and Dasture P attended the BCUD funded National level conference on 'New Perspectives on Maratha History' from 24<sup>th</sup> - 25<sup>th</sup> February 2010 at Department of History, Pune University.
- Ahiwale J attended the National conference on 'Rajyaghatanechi sath varshe' organised by Dr. Babasaheb Ambedkar Research and Training Institute, Pune-1, on 24<sup>th</sup> - 25<sup>th</sup> of January 2011. He also attended the National conference on 'Bhatakya Vimuktanche Marathi Sahitya' organized by University of Pune, on 2<sup>nd</sup> - 3<sup>rd</sup> of February 2011.
- Dr. Desa K V attended a National level seminar on 'Frontiers in Physics IV' at Fergusson College, Pune.
- Jadhav V S attended a National level conference on "Advanced Nanomaterials, Sensors and Instrumentation" at D.B.F. Dayanand College of Arts and Science, Solapur on 21<sup>st</sup> - 22<sup>nd</sup> January 2011.
- Jadhav V S attended the National Conference on "Emerging Trends in Soft Computing" organized at Nowrosjee Wadia College, Pune on 2<sup>nd</sup> - 3<sup>rd</sup> February, 2011.
- Bhagat N K attended a National level seminar on 'An application of RS and GIS in Population, environment and resources' organized by the Deccan Geographical Society of India on 22<sup>nd</sup> March 2011.
- Dr. Khare U attended a State Level Seminar on "Sustainable development and Agriculture" held at Modern College of Arts Science & Commerce, Ganeshkhind Pune on 25<sup>th</sup> - 26<sup>th</sup> February, 2011.
- Kolapkar R. S. attended a National Level Seminar on "Application of Remote Sensing and GIS in Geography" at Department of Geography, University of Pune on 21<sup>st</sup> March 2010.

- Kokate S D attended a National level seminar on ‘An application of RS and GIS in Population, environment and resources’ organized by the Deccan Geographical Society of India on 22<sup>nd</sup> March 2011.
- Dr. G. R. Aher presented four papers at the National Space Science Symposium (NSSS), 2010 held at Saurashtra Univ., Rajkot and at the National level conference on ‘Aerosol and clouds : Climate Change Perspectives’ held at Bose Institution Darjeeling, during Feb and March 2010, respectively.
- Dr. Kulkarni U D delivered a lecture entitled ‘An Attempt to identify the Weathering processes probing its imprints in Groundwater Environment, in the area of Confluence of Bhima and Mula-Mutha rivers, Maharashtra (India)’ in the UGC funded National Conference on ‘Groundwater Resource Development in Hard rocks’ from 12<sup>th</sup> - 13<sup>th</sup> February 2010 at Department of Geology, University of Pune.
- Kudale S R presented a paper entitled ‘Biochemical composition of the clam *Meritrix meritrix* from Kali estuary, Karwar’ in the international conference on ‘Biodiversity and its conservation’ from 28<sup>th</sup> to 30<sup>th</sup> January 2011 at Progressive Education Society’s Modern College of Arts Science and Commerce, Shivajinagar, Pune.
- Dr. Kanti devi Lodhi delivered a lecture on “Mahila – Shakti” on March, 2011 at Abeda Inamdar College, Pune.
- Dr. G. R. Aher presented four papers at the National Space Science Symposium (NSSS) 2010 held at Saurashtra University, Rajkot and at the National level conference on ‘Aerosol and clouds: climate change Perspectives’ held at Bose Institution, Darjeeling, during February and March 2010, respectively.
- Dr. Gadekar S S presented a poster on “Aerobiological Studies” at Pune at the 16th National conference on Aerobiology and National symposium on applications of Biotechnology in Environment Management and Medicine, organized by Department of Biotechnology and Environmental study center of Bapuji Institute of Engineering and Technology, Davangere from 19<sup>th</sup> to 21<sup>st</sup> Nov. 2010.
- Prof Bhagat N.K. presented a paper on “Impact of water pollution on rural economy in and around ‘Kurkumbh’ MIDC area at the 3rd International Geography Congress CWRDM held at Kozhikode.
- Prof Bhagat N.K. presented a paper titled “A geopolitical atlas of Maratha Empire” at National seminar on ‘Chhatrapati Shivaji and his times’ organized by Chhatrapati Shivaji study centre, Dr. Babasaheb Ambedkar Marathawada University, Aurangabad.

#### **Annexure 2.13**

- Vikas S. Jadhav and S. G. Latpate attended General Orientation Programme at Academic Staff College, University of Pune from 10<sup>th</sup> November - 7<sup>th</sup> December 2010.
- S. R. Kudale attended UGC sponsored refresher Course in Life Sciences at Academic Staff College, University of Pune from 2<sup>nd</sup> – 22<sup>nd</sup> February 2011.
- Anil Madhale attended the UGC sponsored refresher course in Social Sciences (Political Science) at Department of Defence and Strategic Studies, University of Pune from 10<sup>th</sup> – 30<sup>th</sup> January 2011.
- Jyoti Aniruddha attended the refresher course in Social Sciences (History) at Department of Defence and Strategic Studies, University of Pune from 10<sup>th</sup> – 30<sup>th</sup> January 2011.
- V.N. Borkar attended the UGC sponsored Refresher Course in “Education and Psychology” at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad from 11<sup>th</sup> January - 1<sup>st</sup> February 2010.
- Dr. Anargha Dhorde attended the UGC sponsored Refresher Course in “Geography” at University of Pune, Pune from 16<sup>th</sup> November - 6<sup>th</sup> December 2010.
- N. K. Bhagat attended the UGC sponsored Refresher Course in “Environmental Science” at Himachal Pradesh University, Shimla from 30<sup>th</sup> August - 18<sup>th</sup> September 2010.

- Y. M. Nandurkar attended a Refresher Course in “Environmental Science” at University of Pune, Pune from 1<sup>st</sup> - 21<sup>st</sup> March 2011.
- Nanda Ranade attended a Refresher Course in “Computer Application” at University of Pune, Pune from 9<sup>th</sup> - 29<sup>th</sup> March 2011.
- Sonali More- Madhale attended the UGC sponsored refresher course in Social Sciences (Economics) at Department of Defence and Strategic studies, University of Pune from 10<sup>th</sup> - 30<sup>th</sup> January 2011.
- Priyanka Saravate completed a ten day workshop on ‘Study Course in Issues before Science, Philosophy and Religion’ organized by the Academy of Political and Social Studies from 15<sup>th</sup> - 26<sup>th</sup> March, 2011.
- Jayant Ahiwale attended a one day workshop on ‘Samata and Samajik Nyay’organised by Dr. Babasaheb Ambedkar Research and Training Institute, Pune-1, on 26<sup>th</sup> June 2010.
- Anil Madhale attended a National workshop on ‘Research Methodology, Quantitative Techniques and Its Applications in Social Science Research’, on 25<sup>th</sup> - 26<sup>th</sup> February 2011 organized by University of Pune. He worked as a Resource person for a one day workshop for college teachers organized by BCUD, Shivaji University, Kolhapur. He also delivered a lecture on the Indian Constitution in a workshop.
- Dr. L. M. Chaudhari attended the All India Laboratory workshop for P.G. Teachers, from 14<sup>th</sup> - 18<sup>th</sup> December, 2010 at IPS Academy, Indore. The workshop was funded by MPCOST, IAPT and UGC-DAE.
- Jayant Salve delivered a lecture entitled ‘Preparing for NET/SET’ in Board of Students’ Welfare; UoP funded Two Day NET/SET Workshop from 11<sup>th</sup> - 12<sup>th</sup> March 2011 at Nowrosjee Wadia College.
- Y.M.Nandurkar acted as resource person in a one day workshop entitled “Workshop on New techniques in qualitative and quantitative analysis and measure to improve results in chemistry” held at K.L.E. Society’s R.L. Pre University College of Science, Belgaum on 26<sup>th</sup> July 2010.
- Vijaya S. Jadhkar attended a One Day Workshop on “G.M. Counter “. It was a State level workshop organized in Nowrosjee Wadia College, Pune on 26<sup>th</sup> August 2010. She also attended a State Level workshop on “Electronic Circuit Design Using Sci-Lab” at Abasaheb Garware College, Pune on 11<sup>th</sup> October, 2010.
- Dr. Anargha Dhorde presented a paper entitled “Inlet Behavior Induced changes in the Beach-Dune Complex” at Valvati, Maharashtra, India, in the 4th Session of the LAC Working Group on Geomorphological Hazards & International Workshop on Geomorphological Hazards held at Manonmaniam Sundaranar University, Kanyakumari during 21<sup>st</sup> - 23<sup>rd</sup> July, 2010.
- V. N. Borkar attended a one day National Workshop on “Use of SPSS package in Research” on 23<sup>rd</sup> January, 2011 and “Industrial Organizational Psychology: An answer to H.R. Challenges” held on 24<sup>th</sup> January, 2011.

### **Annexure 3.2**

#### **Major Projects:**

1. Dr. Anargha Dhorde received ISRO-UoP-STC cell funded major research project entitled ‘Application of Remotely Sensed Data for the Evaluation of Impervious Surface Growth and Its Effect on Surface Runoff in Two Rapidly Urbanizing Watersheds of Western Maharashtra, India’, May 2010. Role- Principal Investigator
2. Dr. G. R. Aher received ISRO-RESPOND, Bangalore funded major research project entitled ‘Study of the direct radiative forcing due to atmospheric aerosols over different environments’. July 17, 2009. Ref No. PU/ISRO-STC/821, 2010-2013. Role - Principal Investigator.
3. Dr. Jayamala Diddee received UGC funded major research project entitled ‘A Geopolitical Atlas of Maratha Empire’ sanctioned in February 2008. Role- Principal Investigator. Co-Principal Investigator- Mr. N. K. Bhagat. Amount Sanctioned is Rs.10,67,800/-

### Annexure 3.3

#### Minor Project Completed:

1. Dr. P. K. Bhadane- completed BCUD funded minor project entitled 'Development of some complex instrumentation using modern computational techniques' Amount Sanctioned: Rs. 75,000 /-. Years of Sanction and duration: 2008-10.
2. Dr. L. M. Chaudhari Received U.G.C., WRO, Pune funded Minor research project entitled 'Photon attenuation coefficient measurement in various soil samples.'47-265/07 dt. 30/01/2008. Duration: 2008-2010.

#### Minor Projects on going:

1. Dr. S. L. Bonde, Mrs. R. P. Bhadane received a UGC funded minor project entitled 'Study of kinetics of ion-exchange equilibria' (Co-investigator) (Ref. No. : File No. - 47 – 1564 / 10[WRO]). Date of sanctioning and duration: 2010 -2012- Rs. 55,000/-
2. Dr. U. D. Kulkarni received BCUD funded minor research project entitled 'Geological and environmental factors affecting the siltation at the Wular Lake, (Jammu and Kashmir), India'. (2009-2011) PU/DEV-8-9dated 20-04-2009/DEV-8-9dated 20-04-2009 (2009- 2011).
3. Dr. U. D. Kulkarni received a UGC funded minor research project entitled 'Geomorphological and geochemical impact of river water pollution on the agricultural land in the catchment of Ujjani dam, Maharashtra.' F. No. 23-1193/09 (WRO) dated 16<sup>th</sup> Sept.2009F. No. 23-1193/09 (WRO) dated 16<sup>th</sup> Sept.2009.
4. Dr. L. M. Chaudhari received BCUD funded Minor research project entitled 'The study of gamma absorption coefficients of milk samples and adulteration (admixture) by using gamma ray energy' Date of sanctioning and duration: BCUD/OSD/184 DATE: 11/05/2009 Duration: 2009-2011.
5. Dr. I. A. Khan received BCUD funded minor project entitled 'Impact of Urbanization on the stability of slopes around Lonavala, Maharashtra' with sanctioned grant of Rs. 1, 05,000/-
6. Dr. F. A. Surve received BCUD funded minor project with sanctioned grant of Rs. 2, 90,000/-
7. Dr. K. S. Bhosale received BCUD funded minor project entitled 'Effect of A.M. fungi on yield and disease resistance in turmeric' with sanctioned grant of Rs. 75,000/-
8. Dr. V. V. Chabukswar received a BCUD minor project with sanctioned grant of Rs. 2,50,000/
9. Dr. Reena Bharati received BCUD funded minor project entitled 'Enterprize- metadata management using MOF based tools' with sanctioned grant of Rs. 1,10,000/-
10. Dr. S. C. Shirwaikar received BCUD funded minor project entitled 'Information system in initiative for knowledge management in educational institute' with sanctioned grant of Rs. 1,50,000/-
11. Dr. S. S. Gadekar received BCUD funded minor project entitled 'Aerobiological studies of Pune' with sanctioned grant of Rs. 70,000/-

### Annexure 3.4

- Dr. Venkataraghavan K.S. published a research article entitled 'Petrology of the Dongargarh Granite from Muramgaon, Gadchiroli District, Maharashtra India' in the Proceeding of National Conference on 'Origin and Evolution of the Deep Continental Crust', organized by Department of Geology, University of Pune, 2010.
- Dr. K. V. Desa published a research article "Inverse Characterization of Pro-Acoustic materials" in Journal of Acoustical Society of India, 2010.



- Dr. L. M. Chaudhari published a research paper entitled “Mass attenuation coefficients of soil samples in Maharashtra State (India) by using gamma energy at 0.662 MeV” in Int. J. Bulg. J. Phys. 37(2010) 158-164.
- Dr. Abhijit Surendra Limaye published research papers on “Assessment of Adiantum trapeziforme L. for Antioxidant” in Asian J. Exp. Biol. Sci., 1: 75-80. He also published research paper entitled “Effect of Novel Organic Liquid Fertilizer on Growth and Yield in Chilli (*Capsicum annum L.*) Asian J. Exp. Biol. Sci., 1: 15-19 and “Physiological Responses of Groundnut (*Arachis Hypogae L.*) Varieties to Drought Stress” in Asian J. Exp. Biol. Sci., 1: 65-68.
- Dr. Sangpal R.R, Y.M.Nandurkar, Dr. U. D. Kulkarni published a research paper on “Impact of Geomorphological and Geochemical Characteristics of the Deccan Trap Basalts on the Water Quality of Wells in the Catchment of Ujjani Dam, District Pune (India)” in Advances in Geosciences Vol. 23: Hydrological Science (2010) World Scientific Publishing Company. pp: 257-270.
- Dr. Sangpal R. R, Y. M. Nandurkar, Dr. U. D. Kulkarni published a research paper on “An Assessment of the Physico-Chemical Properties to study the Pollution Potential of Ujjani Reservoir, Solapur District, India” in ARPN Journal of Agricultural and Biological Science, V. 6, No. 3, Mar. 2011 PP; 34-38.
- Dr. Sangpal R. R, Y. M. Nandurkar, Dr. U. D. Kulkarni published a research paper on “Geochemical Impact of the Surface Run-off on the Drinking Water Quality of the Yeshwantsagar Reservoir in Ujjani Dam, Solapur District (India)” in Advances in Geosciences Vol. 23: Hydrological Science (2010) World Scientific Publishing Company. pp: 171-183
- Dr. R P Bhadane published a paper entitled “A rapid and highly sensitive method for determination of paracetamol in human plasma by liquid chromatography-electrospray ionization tandem mass spectrometry: application to a clinical pharmacomagnetic study” in the Conference proceedings at the National conference on ‘The Role of Chemistry in health and diseases’.

### **Annexure 3.11**

1. Department of Computer Science organized National conference on ‘Emerging trends in soft computing’ from 2<sup>nd</sup>- 3<sup>rd</sup> Feb 2011 at Nowrosjee Wadia College, Pune. The conference was funded by University of Pune (Quality Improvement Programme), DST and Tata Teleservices Ltd.
2. Department of Psychology organized a national seminar on ‘Industrial Organizational Psychology: An answer to HR challenges’ on 24<sup>th</sup> - 25<sup>th</sup> January, 2011
3. Department of Chemistry organized a college level workshop on safety measures to be taken by students, teachers and laboratory technicians in the laboratory.
4. Department of English in collaboration with The Board of Students’ welfare, Pune University organized a University level two day workshop on the NET/SET examination to guide and prepare the students for these competitive examinations.
5. Department of Chemistry in collaboration with SET Bhavan, Pune University organized a university level workshop on SET examination.
6. Department of Electronics organized a state level Workshop on preparation of students’ final year projects and exhibition on 20<sup>th</sup> January 2011.
7. Department of Physics in collaboration with Nucleonix Systems Pvt. Ltd. organized University level one day workshop on T.Y.B.Sc practicals on G.M. Counter. BCUD, University of Pune provided additional financial support for the workshop.
8. Department of Electronics organized state level Syllabus discussion workshop of vocational Electronic Equipment Maintenance on 6<sup>th</sup> September 2010.

## Annexure 3.24

### List of selected NCC Award Winners

#### Memento Winners

##### 2 Mah Bn, Army Wing

1. J/VO Amit Rana- attended SSB camp at Kamptee, Nagpur.
2. Cdt. Lakhan Gosavi- attended Thal Sainik Camp, New Delhi.

##### 3 Mah Naval Unit :

1. Cdt Captain Prasad Taru- attended Republic Day Camp at New Delhi.
2. Cdt Captain Prasad Taru- attended Ship Attachment Camp at Mumbai on Board INS Talwar.

##### 3 Air Sqn (Air Wing)

1. Cdt Nikhil Bhosale- attended Shivaji Trek, Kolhapur.

#### Medal Winners

##### 3 Mah Naval Unit

1. P. O. Cdt Vikas Kakade- Gaya Trek in Bodha Gaya, Bihar.

##### 3 Air Sqn (Air Wing)

1. Cdt Cpt Khushbu Gajra- All India VSC, Bangalore.

## Annexure 3.25

### University forum

**NSS** 1. NSS Special Winter Camp

2. Blood Donation Camp

**NCC** 1. NCC navy cadets participated in social activities like the Pune Marathon,

2. Cycle Rally on Anti- Smoking Day
3. Blood donation Camp
4. Environmental Awareness Rally as volunteers.
5. Lecture on Environmental Awareness was organized in our college on 11<sup>th</sup> November 2010.

#### College Forum

- Geology Exhibition for college as well as school students.
- The Department of Computer Science organized the annual seminar event 'TECHQRIOSITY'
- The Mathematics Department organized a Mathematical Treasure Hunt with a view to popularizing the subject and to facilitate learning of Mathematics, thereby taking away the inherent fear of the subject.
- The Physics Department had students coming over from Ruparel College to experiment in our Acoustics as well as other Physics laboratories and to interact with our students and staff.

#### NSS

- Campus cleaning under 'Nirmal Wadia Abhiyan'

- Participated in Cycle Rally.
- More than 50 NSS volunteers helped blind students as writers for university examinations.
- Celebration of Birth anniversary of social reformers like Mahatma Gandhi, Savitribai Phule, Swami Vivekanand, Chhatrapati Shivaji Maharaj, Mahatma Phule, Dr. Babasaheb Ambedkar etc.

**Any other**

**CTSE**

- MTS Examination
- GEE Examination
- YASHADA Examination

**Departmental Contributions**

- Many teachers have written textbooks based on the curriculum for both UG as well as PG level.
- The Physical Education Department conducted winter and Summer Training Programs for our Sportsmen.
- The Department of Computer Science has written curriculum based books for UG.

**Annexure 5.9.1**

List of participation in the University of Pune Inter-Zonal Competitions: (State/University level)

Sr. No.	Name of the student	Name of the event game
1	Miss Vivenda D'costa	Football
2	Miss Vivenda D'costa	Hockey
3	Miss Carolene Nazrath	Hockey
4	Richa Behai	Hockey
5	Nikita Kadri	Hockey
6	Pooja Katariya	Hockey
7	Anjiky Kalbhor	Hockey
8	Amit Rajput	Hockey
9	Randeep Bhatti	Hockey
10	Nikhil Sapkal	Hockey
11	Dhawale Vanita	Ball Badminton
12	Yogini Bhise	Ball Badminton
13	Snehal Pawar	Ball Badminton

14	Manoj Kumar	Athletics
15	Monali Bhade	Athletics
16	Preeti Shukla	Athletics
17	Yashashree Botre	Cycling
18	Pawan Jadhav	Ball Badminton
19	Sunil Dhawale	Ball Badminton
20	Prateesh Madhavan	Cricket
21	Shivraj Sawant	Rifle Shooting
22	Prateek Nikam	Football
23	Rohitesh Kengle	Football
24	Siddhant Hasbnis	Football
25	Vishal Nakhate	Power Lifting
26	Mahendra Gawhane	Power Lifting
27	Pratap Phadatare	Power Lifting
28	Monali Bhade	Cross Country
29	Preeti Shukla	Cross Country

**National level:**

1. Miss Vivenda D'costa represented Maharashtra in the Nation Hockey Championship held at Sonipat, Haryana.
2. Miss Vivenda D'costa represented the University of Pune in the All India Intersarsity Hockey championship held at Indore.
3. Miss Vivenda D'costa represented Maharashtra in the 8<sup>th</sup> National Games competitions held at Orissa.
4. Shivraj Sawant participated in the National Rifle Shooting Competition held at New Delhi and qualified for the International trials competition.
5. Miss Sujata Sable participated in the swimming event in the National Paralympic games at Bangalore.
6. Gursund Pranay participated in the under 19 National Hockey Championship at Chhatisgarh.
7. Miss Naomi Mascaranhas participated in the National Football Championship at Chhatisgarh.
8. Mr. Madhavan Pratees participated in the Maharashtra Premiere league Cricket Championship
9. Shaunak Tripathi, Viraj Kakade and Amit Singh participated in the Pune Premiere league Cricket Championship.
10. Tejas Rajguru participated in the Maharashtra Roll Ball Competition.

11. Miss Preeti Shukla, a 'Golden Girl' from F.Y.B.A. class was selected to represent Pune University in the 'Ashwamedh' Maharashtra Inter-varsity Competition in Athletics.
12. Miss Preeti Shukla also participated in the All India intervarsit Cross Country Championship held at Gadhwal University, Uttarakhand.
13. Miss Monali Bhade also participated in 'Ashwamedh' intervarsity competitions at Akola and represented University of Pune in the All India Intersarsity Cross Country Competittion at Garhwal University, Uttarakhand.
14. Prateek Nikkam, participated in the West zone Inter-university Football Championship at Jabalpur.
15. Miss Yashashree Botre represented Maharashtra and the University of Pune in the Cycling event at Amritsar.
16. Miss Vanita Dhawle led the Pune University Ball Badminton team in the All India Inter-varsity Ball Badminton Championship at Tamilnadu.
17. Amit Rajput led the Pune University hockey team in the West-zone Inter-varsity Hockey Championship at Mumbai.
18. Suraj Dhawale represented the University of Pune in the All India Inter-varsity Ball Badminton Championship at S.R.M. University, Tamilnadu.
19. Miss Carolene Nazrath and Nikita Kadri represented the University of Pune at South-west zone Hockey Championship at Devi Ahilya University, Indore.
20. Ajinkya Kalbhor participated in the West-zone Inter-varsity Hockey Championship at Mumbai.

#### **Gold Medal**

1. Gupta Vikrant (400 m Hurdles)
2. Pooja Nath (Yoga)
3. Ajinkya Bahule (Boxing)
4. Satpute Akash, Ranjit Pal, Ajit Nikam and Supriya Randhir (Taekwondo)
5. Manoj Kumar (long Jump and Tripple Jump)
6. Preeti Shukla (in 800 m and 1500 m run races)
7. Monali Bhade (10,000 m and Half Marathon run race)
8. Keneth Mascanhas (110m High Hurdles)
9. Mahendra Gawahane (Power Lifting)
10. Vishal Nakhate (Power Lifting)
11. Shivraj Sawant (rifle Shooting)
12. Miss Carolene Nazrath, Richa Behai, Nikita Kadri, Pooja Katariya (Hockey)
13. Amit Rajput, Randeep Bhatti, Ajinkya Kalbhor, Nikhil Sapkal (Ball Badminton)

#### **Silver Medal:**

1. Bortikar Anuradha (Discus Throw)
2. Gautam Sudhakar (Javelin Throw)
3. Keneth Mascanhas (Long Jump)
4. Pratap Phadtare (Power Lifting)

**Bronze Medal:**

1. Sarsar Karan (Swimming)
2. Ashutosh Salunke (Roller Skating)
3. Snehal Balhekar (Kick Boxing)
4. Akshata Patil (Kick Boxing)
5. Preeti Shukla (Cross Country)
6. Monali Bhade (Cross Country)

Dr. Ms. S. A. Boxwala  
IQAC Coordinator

Dr. K. S. Venkataraghavan  
Chairperson, IQAC