

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

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC.

### Part – A

#### 1. Details of the Institution

##### 1.1 Name of the Institution

S.I.W.S N.R.Swamy College of  
Commerce & Economics and  
Smt. Thirumalai College of  
Science.

##### 1.2 Address Line 1

337, Sewree – Wadala Estate

##### Address Line 2

Wadala

##### City/Town

Mumbai

##### State

Maharashtra

##### Pin Code

400031

##### Institution e-mail address

siws1@vsnl.net

##### Contact Nos.

022 – 24118658, 022-24180390

##### Name of the Head of the Institution:

Dr.P.G.Gopalakrishnan

##### Tel. No. with STD Code:

022-24118658, 022-24180390

**Mobile:**

**Name of the IQAC Co-ordinator:**

**Mobile:**

**IQAC e-mail address:**

**1.3 NAAC Track ID** MHCOGN 14510

**1.4 Website address:**

**Web-link of the AQAR:**

### 1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B+	---	2004	5 Years
2	2 <sup>nd</sup> Cycle	B	2.86	2012	5 Years
3	3 <sup>rd</sup> Cycle	---	---	---	---
4	4 <sup>th</sup> Cycle	---	---	---	---

**1.6 Date of Establishment of IQAC:** **DD/MM/YYYY**

**1.7 AQAR for the year**

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

- i. AQAR 2012-13 submitted to NAAC on 25/08/2014
- ii. AQAR 2013-14 submitted to NAAC on 25/08/2015

## 1.9 Institutional Status

**University** State  Central  Deemed  Private

**Affiliated College** Yes  No

**Constituent College** Yes  No

**Autonomous college of UGC** Yes  No

**Regulatory Agency approved Institution** Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

**Type of Institution** Co-education  Men  Women

Urban  Rural  Tribal

**Financial Status** Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

## 1.10 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys. Edu.)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

**1.11 Name of the Affiliating University (for the Colleges)****1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc.**

Autonomy by State/Central Govt. / University

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University with Potential for Excellence

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UGC-CPE

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DST Star Scheme

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UGC-CE

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UGC-Special Assistance Programme

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DST-FIST

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UGC-Innovative PG programmes

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Any other (Specify)

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UGC-COP Programmes

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**2. IQAC Composition and Activities****2.1 No. of Teachers****07****2.2 No. of Administrative/Technical staff****02****2.3 No. of students****01****2.4 No. of Management representatives****02****2.5 No. of Alumni****01****2.6 No. of any other stakeholder and  
community representatives****01****2.7 No. of Employers/ Industrialists****00****2.8 No. of other External Experts****01****2.9 Total No. of members****15****2.10 No. of IQAC meetings held****01**

**2.11 No. of meetings with various stakeholders:**No.  Faculty 

Non-Teaching Staff

Students

Alumni

Others (Parents)

**2.12 Has IQAC received any funding from UGC during the year?**

Yes

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

International

National

State

Institution Level

**(ii) Themes****2.14 Significant Activities and contributions made by IQAC**

- 1) Feedback of teachers, students and parents initiated and analysed by IQAC
- 2) Scrutiny and evaluation of Academic Performance Indicators of teachers eligible for placement.
- 3) Staff encouraged to pursue higher education, research and skill development.
- 4) Maintain statistics of students' attendance.

**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 \*

Plan of Action	Achievements
<b>1) <u>Curricular:</u></b> To communicate the updated syllabus of all the programmes to the stakeholders.	Updated syllabus of all the programmes communicated to stakeholders through the college web-site.
<b>2) <u>Teaching –Learning and Evaluation:</u></b> Improve arrangements to facilitate effective running of the teaching -learning programme.	Greater use of multimedia facilities such as audio/video cassettes, computer aided learning, DLP and overhead projectors.

<p>Appointment of qualified and adequate core faculty and reduction in the number of teaching staff on clock-hour basis to enable greater accessibility of teachers for guidance to students.</p> <p>Concentrated efforts are made to promote the sense of responsibility and accountability among the teachers as well as students.</p> <p>Implementation of the academic activity calendar and the teaching plan for effective running of the teaching learning programme.</p> <p>Organizing guest lectures and industrial visits to strengthen teaching-learning process.</p> <p>Faculty is encouraged to actively participate in the curriculum and syllabus designing workshops organized by the Board of Studies.</p> <p>Faculty members are encouraged to timely attend Orientation and Refresher programmes organized by the Academic Staff College.</p> <p>Conscious and sincere efforts are made to ensure that the student assessment mechanism is reliable and valid.</p> <p><b>3) <u>Research , Consultancy and Extention:</u></b></p> <p>Promotion of research culture among teachers and students.</p> <p>Staff members are encouraged to take-up research projects and related activities.</p> <p>Research scholars and teachers are encouraged to attend International/ National/ State/Organization level Seminars/Workshops/Conferences.</p>	<p>Five full time faculty members were appointed in the unaided section.</p> <p>Regular attendance evaluation undertaken. Strict adherence to university guidelines regarding attendance. Biometric attendance compulsory for teaching and non-teaching faculty. Meetings with the parents of defaulting students are arranged every month.</p> <p>Teaching plan and academic activity calendar are planned at the beginning of the year to ensure smooth conduct of academic activities.</p> <p>Guest lectures were organized. 07 Industrial visits organized.</p> <p>Nineteen faculty members participated in the syllabus revision workshops.</p> <p>One faculty member attended the Orientation course. Two faculty members attended the Refresher course.</p> <p>Teacher evaluation mechanism is in place. Regular evaluation is carried out at the end of each academic year. Parent – teacher interface takes place annually.</p> <p>Fourteen staff members are pursuing Ph.D. programme.</p> <p>One Minor research project undertaken.</p> <p>Nine faculty members attended International conferences/symposia. Eight faculty members presented papers at International conferences/symposia.</p>
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<p>Students are encouraged to undertake surveys, interviews, and collection of data to facilitate adequate exposure to contemporary developments in those areas. Advanced learners are encouraged to do more intensive study and gain in-depth knowledge.</p> <p>Provision of extended opportunities to the students to participate in community development and extension services.</p> <p><b>4) <u>Infrastructure –Learning Resources:</u></b></p> <p>Expansion of library facilities by enhancing the user friendly services.</p> <p>Provision of additional learning resources, basic and advanced laboratory equipments and sports infrastructure to keep pace with the academic growth of the college.</p>	<p>Twenty faculty members attended national conferences/symposia.  Fourteen faculty members presented papers at National conferences/symposia.  Four faculty members attended State level conferences/symposia.  Two faculty members presented papers at State level conferences/symposia.  Five faculty members attended University level conferences/symposia.</p> <p>Final year students of BMS, Banking &amp; Insurance, Information Technology and Microbiology undertake project work as a partial fulfilment of the final year degree examination.</p> <p>Active participation of 150 Volunteers in NSS Activities at the University level.  01 NSS volunteer was selected for SRD-NRD parade.  02 NCC cadets attended the Annual Training Camp,  03 NCC cadets attended the Combined ATC.  01 NCC cadet participated in Vision 2020-Smart India –Republic Day Parade -2014  02 NCC cadets participated in Army Attachment camp with MIRC-Ahmednagar</p> <p>Free Internet facility is available for teachers. Conscious efforts are made to upgrade technology to facilitate efficient educational transactions, both academic and administrative.</p> <p>Digital pH meter, Conductivity meter, Potentiometer, Colorimeter, Electrodes, Telescope, Laser diodes, Millimeter were some of the laboratory equipments purchased.  Football, Badminton , Cricket, Chess, Carom, Basket Ball equipments and gears were purchased</p>
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<p>Provision of more computers and related advanced accessories.</p>	<p>The college has adequate computer facilities with easy access for teachers and students. Conscious efforts are made to enhance use of Information &amp; Communication Technologies (ICT) literacy.</p>
<p>Upgradation of Chemistry, Micro-biology and Physics laboratories.</p>	<p>State-of-the art laboratories created to keep pace with the recent development in the field of study.</p>
<p><b>5) <u>Student Support and Progression:</u></b></p>	
<p>Provision of an effective mechanism to use student feedback for quality enhancement.</p>	<p>Regular teacher feed-back forms are filled, analyzed and corrective steps are taken in the direction.</p>
<p>Expansion of student support services by activating placement cell and career counselling.</p>	<p>23 placement seminars took place in which 458 students participated and 278 were placed in various organizations.</p>
<p>Efforts to improve pass percentage.</p>	<p>Organizing guidance lectures for unsuccessful students (ATKT).</p>
<p>Activating Alumni Association by increasing involvement of alumni in college activities.</p>	<p>Ex-students actively contribute to the magazine, NSS and in cultural activities.</p>
<p><b>6) <u>Organization and Management:</u></b></p>	
<p>To provide effective security to students and staff</p>	<p>Security services were outsourced.</p>
<p>Timely recruitment of adequate and qualified teaching staff to fill vacant posts in the college.</p>	<p>Five faculty members were appointed in the unaided section.</p>
<p>To provide adequate payment of salaries to contractual and visiting faculties.</p>	<p>Salaries / remunerations are at par with other institutions.</p>
<p><b>7) <u>Healthy Practices:</u></b></p>	
<p>Consistent follow up of attendance defaulters</p>	<p>Attendance analysis of all UG classes is done by class teachers. Defaulter's list is displayed. Strict follow up measures are used to make repeated defaulters more regular in attendance.</p>



<p>Introduction of formal mechanism for follow up action on student feedback and teacher appraisal.</p> <p>Organization of co-curricular and extra-curricular activities to promote an ambience of creativity and innovation as well as value-based education, social responsibilities and good citizenry.</p> <p>Adoption of gender positive initiatives to facilitate development of girl students and gender sensitization in general.</p> <p>Hygiene and sanitation</p>	<p>Mechanism is regularly followed and corrective measures implemented.</p> <p>Sixty two co- and extra-curricular activities organized.</p> <p>A talk on “Relationship Management’ by Kavita Nair Bhatia, Director, Chetana Foundation was arranged on 7<sup>th</sup> August 2014.</p> <p>Skit competition for students based on gender issues was arranged on 9<sup>th</sup> August 2014.</p> <p>Two day workshop on “Premarital Counselling” conducted by ‘Stree Mukti Sangathana’, Mumbai was arranged on 17<sup>th</sup> and 18<sup>th</sup> November 2014.</p> <p>Talk on “Polycystic Ovarian Syndrome” by Dr.Kedar Ganla for girl students was arranged on 19<sup>th</sup> November 2014.</p> <p>“Mulgi Zali Ho” enacted by volunteers of ‘Stree Mukti Sangathana’, Mumbai on 28<sup>th</sup> November 2014.</p> <p>Student’s rally was organised in collaboration with Dr. B.R. Ambedkar College, G.N. Khalsa College, R. Ruia College and R.A. Podar College, to mark Womens’ Rights as integral part of International Human Rights Day on 10<sup>th</sup> December 2014.</p> <p>Outsourced house-keeping services to maintain cleanliness on the premises.</p>
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\* Attach the Academic Calendar of the year as Annexure. –See Appendix no. V

**2.15 Whether the AQAR was placed in statutory body**      Yes  No

Management       Syndicate       Any other body

Provide the details of the action taken

Suggestions made by members /experts were incorporated in the final draft of the report.

## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	--	--	--	--
PG	03	--	--	--
UG	06	--	--	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	--	--	--	--
<b>Total</b>	09	--	--	--

Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

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

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

Pattern	Number of programmes
Semester	09(PG +UG)
Trimester	--
Annual	--

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students   
(On all aspects)

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

*\*Please provide an analysis of the feedback in the Annexure*

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

Syllabus has been revised by the University for various courses to align with the new credit system. The same has been implemented by the college.

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

## Criterion – II

### 2. Teaching, Learning and Evaluation

#### 2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
39 (Aided) 15(Unaided)	17	22	-	15 (Unaided)

#### 2.2 No. of permanent faculty with Ph.D.

14
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#### 2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others (Unaided)		Total	
R	V	R	V	R	V	R	V	R	V
01	00	00	00	00	00	05	00	05	00

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

00(Aided) 00(Unaided)	00(Aided) 01(Unaided)	03(Aided) 00(Unaided)
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#### 2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	09	20	04
Presented	08	14	02
Resource Persons	00	01	00

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

- Greater use of multimedia facilities, computer aided learning, DLP and overhead projectors.
- Organizing guest lectures and industrial visits to strengthen teaching-learning process.

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

180
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**2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)**

Photocopy of the answer-book is made available to the students for verification on request by aggrieved students.

Revaluation of answer-books by external examiners is undertaken on request by aggrieved students.

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

00	00	03
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**2.10 Average percentage of attendance of students**

79%
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**2.11 Course/Programme wise distribution of pass percentage:**

Title of the Programme	Total no. of students appeared	Division		
		O & A Grades	B Grades	Pass %
T.Y.B.Sc.( Physics)	20	10.00	10.00	25.00
T.Y.B.Sc.(Microbiology)	22	18.18	13.63	40.90
T.Y.B.Sc.(Chemistry)	37	16.22	45.94	43.00
T.Y.B.Com	442	21.95	24.43	69.60
T.Y.B.M.S	58	10.34	34.48	70.68
T.Y.B.B.I	52	3.85	23.07	76.92
T.Y.B.Sc. ( CS)	17	5.90	17.64	47.05
T.Y.B.Sc.( IT)	30	63.34	16.67	90.00
M.Com.(Accountancy)	50	38.77	38.00	98.00
M.Com. (Management)	11	72.73	18.18	100
M.Sc.( IT)	18	16.67	27.78	72.22

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

- Improved arrangements to facilitate effective running of the teaching-learning programmes.
- Appointment of qualified and adequate core faculty and reduction in the number of teaching staff on clock-hour basis to enable greater accessibility of teachers for guidance to students.
- Concentrated efforts are made to promote the sense of responsibility and accountability among the teachers as well as students.
- Conscious and sincere efforts are made to ensure that the student assessment mechanism is reliable and valid.

- Implementation of the academic activity calendar and the teaching plan for effective running of the teaching learning programme.
- Greater use of multimedia facilities such as audio/video cassettes, computer aided learning, DLP and overhead projectors.
- Organizing group discussions, guest lectures and industrial visits to strengthen teaching-learning process.
- Encouragement for continued academic progress and professional development. Research scholars and teachers are encouraged to attend International/National/ State/Organization level Seminars/Workshops/Conferences.
- Establishment of linkages with University department, organizations and industries.
- The teachers have opportunities for continued academic progress and professional development.
- The newly introduced credit-based semester system encourages active involvement of students in the teaching-learning process.

### **2.13 Initiatives undertaken towards faculty development**

- Teachers are provided with facilities and technical help to develop IT skills which can enable them to use online – learning resources for updating their knowledge and to further improve their performance.
- Teachers are encouraged to publish research papers, articles, books etc.
  - Research Publications in International peer reviewed journals - 03;
  - Research Publications in National peer reviewed journals – 02;
  - Co-authored books published – 18;
  - Papers presented at National conferences/seminars – 21;
  - Papers presented at International conferences/seminars – 11;

*For details see Appendix no. II*

- Teachers are advised and encouraged to engage in active research. Fourteen teachers are presently pursuing doctoral research at various institutes. One teacher has taken up Minor Research Projects of the University of Mumbai *.For details see Appendix no. III*
- The college has a mechanism to monitor and assess the performance of the teachers regularly through self-appraisal as well as feedback obtained from the students.

<i>Faculty / Staff Development Programmes</i>	<i>Number of Faculty Benefitted</i>
Refresher courses	02
UGC – Faculty Improvement Programme	--
HRD programmes	--
Orientation programmes	01
Faculty exchange programme	--
Staff training conducted by the university	--

Staff training conducted by other institutions	--
Summer / Winter schools, Workshops, etc.	--
Others- Short Term Course (1 Week duration)	--

#### 2.14 Details of Administrative and Technical staff

<b>Category</b>	<b>Number of permanent employees</b>	<b>Number of vacant positions</b>	<b>Number of permanent positions filled during the year</b>	<b>Number of positions filled temporarily</b>
Administrative Staff	68(Aided) 03(Unaided)	12(Aided) 00(Unaided)	00(Aided) 00(Unaided)	00(Aided) 00(Unaided)
Technical Staff	00(Aided) 04(Unaided)	00(Aided) 00(Unaided)	00(Aided) 00(Unaided)	00(Aided) 00(Unaided)

### Criterion – III

#### 3. Research, Consultancy and Extension

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

- Promotion of research culture among teachers and students. Staff members are motivated to pursue M. Phil and Ph.D. degree.
- Staff members are encouraged to take-up research projects and related activities.
- Adjustment of teaching schedule to allow teachers to conduct research.
- Final year students of BMS, Banking & Insurance, Information Technology and Microbiology undertake project work as a partial fulfilment of the final year degree examination. Students are encouraged to undertake surveys, interviews, and collection of data to facilitate adequate exposure to contemporary developments in those areas. Advanced learners are encouraged to do more intensive study and gain in-depth knowledge.
- Provision of extended opportunities to the students to participate in community development and extension services.
- *Acanthus*, an inter-collegiate seminar is organised by the BMS and BBI Department in which students from various colleges participate and present research papers.

##### 3.2 Details regarding major projects

	Completed	On-going	Sanctioned	Submitted
Number	-----	-----	-----	-----
Outlay in Rs. Lakhs	-----	-----	-----	-----

##### 3.3 Details regarding minor projects

	Completed	On-going	Sanctioned	Submitted
Number	-----	-----	01	-----
Outlay in Rs.	-----	-----	20,000/-	-----

##### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	02	02	---
Non-Peer Review Journals	---	---	01
e-Journals	01	---	---
Conference proceedings	01	05	---



**3.5 Details on Impact factor of publications:**

Range  Average  h-index  Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	--	---	----	----
Minor Projects	01 Year	Mumbai University	20,000/-	20,000/-
Interdisciplinary Projects	----	----	----	----
Industry sponsored	----	----	----	-----
Projects sponsored by the University/ College	----	----	----	----
Students research projects <i>(other than compulsory by the University)</i>	-----	---	----	----
Any other(Specify)	----	-----	-----	-----
Total	-----	-----	20,000/-	20,000/-

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

ii) Without ISBN No.

**3.8 No. of University Departments receiving funds from**

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

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

**3.10 Revenue generated through consultancy**

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

Level	International	National	State	University	College
Number	00	00	00	01	01
Sponsoring agencies	00	00	00	00	00

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

06

**3.13 No. of collaborations**

International

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National

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Any other

00

**3.14 No. of linkages created during this year**

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**3.15 Total budget for research for current year in lakhs:**

From Funding agency

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From Management of University/College

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Total

---

**3.16 No. of patents received this year**

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

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

Total	International	National	State	University	District	College
---	---	---	---	---	---	---

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

07

Students registered under them

11

**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 00

SRF 00

Project Fellows 00

Any other 00

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

University level	150	State level	00
National level	00	International level	00

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

University level	05	State level	02
National level	00	International level	00

### 3.23 No. of Awards won in NSS:

University level	02	State level	00
National level	00	International level	00

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

University level	01	State level	00
National level	00	International level	00

### 3.25 No. of Extension activities organized

University forum	05	College forum	---
NCC	06	NSS	17
		Any other	---

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

The college is responsive to community needs and intrinsically intertwined with the national fabric. Concentrated efforts are made to provide expanded opportunities to the students to participate in community development programmes.

- N.S.S. unit of the college provides Blood Donors Cards to needy persons which enable them to obtain a blood bottle (350 ml.) per card free of cost. Every year about 40-50 cards are used by college teaching/non-teaching staff and outsiders.
- Blood donation drive was organized on 5<sup>th</sup> August, 2014 in which **158 blood bottles** were collected, besides conducting the Thalassemia test. Again on 5<sup>th</sup> December, 2014, a second blood donation drive was organized in which **126 blood bottles** were procured, thus making a remarkable contribution of **284 blood bottles** in total in the academic year 2014-15.

- On 6<sup>th</sup> December, 2014 sweets and books were distributed amongst the poor children from slums around Wadala Bridge.
- On 30-31<sup>st</sup> December, 2014, visits to an old age and blind home at Goregaon were organised.
- Following rallies were organised by the NSS Unit during the academic year 2014-15-
  1. Rally on Nashabandhi (July 14, 2014)
  2. A Peace March Rally (August 6, 2014)
  3. Rally on Antidrug/ Liquor/ Tobacco (Oct 1, 2014)
  4. Bhajan Sandhya Rally (October 8, 2014)
  5. Rally on Voter's Awareness (October 13, 2014)
  6. Run for Unity Marathon (October 31, 2014)
  7. Rally by WDC (December 26, 2014)
  8. Rally on Gandhiji Agman (January 9, 2015)
  9. Rally by Sarvodaya Mandal on Mahatma Gandhi and his life (January 30, 2015)
  10. BRM Rally on Awareness of 1916 (January 31, 2015)

***Refer Appendix no. V*** for details on the activities conducted by the NSS & NCC units, Women Development Cell and Nature Club.

## 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	1.5 acres	Nil	---	---
Class rooms	47	Nil	---	---
Laboratories	11	Nil	---	---
Seminar Halls	02	Nil	---	---
No. of important equipments purchased ( $\geq$ 1-10 lakhs) during the current year.	---	---	---	---
Value of the equipment purchased during the year (Rs. in Lakhs)	---	---	---	---
Others	---	---	---	---

#### 4.2 Computerization of administration and library

Efforts have been made to manage administrative and examination work in a technology – enabled way to ensure effective functioning of the college. Steps have been initiated to move towards electronic data management by adequately investing in hardware and suitably training the administrative and teaching staff.

- Admission procedure including preparation of admission list for open, minority and reserved category, acceptance of fees, issue of Identity Card and the maintenance of General Register have been computerized
- The University of Mumbai has adopted ICT (Information and Communication Technology) - enabled administrative processes by engaging Maharashtra Knowledge Corporation Ltd. (MKCL) for this purpose. The facility was used by the college to complete its enrolment of new entrants to F.Y.B.Com./B.Sc classes with the University of Mumbai.
- Examination procedure including acceptance of forms and fees, seating arrangement, preparation of results, issue of mark-sheet and certificate have been computerized.
- The college staff salary account has been computerized.
- Infrastructure and learning facilities have been further augmented in the college library to meet emerging needs of its users.

### 4.3 Library services:

	Existing (2013-2014)		Newly added (2014-2015)		Total	
	No.	Value	No.	Value	No.	Value
Text Books	748	84,970.00	726	92,858.00	1474	1,77,828.00
Reference Books	166	2,78,458.00	218	2,58,131.00	384	5,36,589.00
e-Books	---	---	---	----	---	---
Journals	42	51,286.00	01	39,635.00	43	90,921.00
e-Journals	---	---	---	---	---	---
Digital Database	---	---	---	---	---	---
CD & Video	31	---	13	---	44	---
Others (specify)						
ReadingRoom Material	---	17,469.50	---	19,000.00	---	36,469.50
Miscellaneous Expenses	---	600.00	---	34,958.78	--	35,558.78
Others			05	1) N list 2) DAOG 3) Directory of open access journal 4) Shodh Ganga 5) Shodh Gangotri		

### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Other
Existing	128	76	All	----	----	19	33	----
Total	128	-----	-----	-----	-----	-----	-----	-----

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

The college has adequate computer facilities with easy access for teachers and students. Conscious efforts are made to enhance use of information & communication technologies (ICT) literacy.

- The IT & Computer Science laboratories have 65 computer terminals with the latest configuration and software and are connected with the LAN system.
- The M.Sc. (IT) laboratory has 11 computer terminals with Internet facility.
- The computer centre is well equipped with DLP, CD writers and computers. Students and teachers are encouraged to have power-point presentations.
- Two engineers have been appointed to assist the users and for maintenance of computers.
- Internet facility is available on all computers placed in the IT & Computer Science laboratory.
- Free Internet facility is available for teachers.

#### 4.6 Amount spent on maintenance in lakhs :

i) ICT

----

ii) Campus Infrastructure and facilities

----

iii) Equipments

----

iv) Others

Rs. 165.00

**Total:**

Rs. 165.00

## Criterion – V

### 5. Student Support and Progression

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

- Providing guidance and counselling to students
- Organizing placement related conferences and seminars
- Library orientation programme for freshers
- Active Students' Council
- Book Bank, scholarships and free ships

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

- Provision of an effective mechanism to use student feedback for quality enhancement.
- Expansion of student support services by activating placement cell and career counselling.
- Strengthening counselling facility for students.
- Efforts to improve pass percentage.
- Activating Alumni Association by increasing involvement of alumni in college activities.
- Effective network has been developed with institutions that impart professional training to encourage students to learn advanced professional skills.

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

UG	PG	Ph. D.	Others
2556	214	00	00

#### (b) No. of students outside the state

16
----

#### (c) No. of international students

00
----

Men	<table border="1"><tr><th>No</th><th>%</th></tr><tr><td>1274</td><td>45</td></tr></table>	No	%	1274	45	Women	<table border="1"><tr><th>No</th><th>%</th></tr><tr><td>1496</td><td>55</td></tr></table>	No	%	1496	55
	No	%									
1274	45										
No	%										
1496	55										

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2409	122	04	218	02	2755	2354	131	18	267	00	2770



Level	Programmes offered	Demand Ratio
UG	06	2.82: 1
PG	03	1.27:1

Dropout %- 4.82

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

There is no student support mechanism for coaching for competitive examinations.

No. of students beneficiaries

00

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

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

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

Conscious efforts have been made to enable holistic progress of the students, keeping in mind a vision for their overall development. Appropriate campus experience is provided to the students that would enable self-realization and promote good citizenry.

- The counselling cell is headed by trained teachers. Adequate help is extended to make the students stress free and feel confident to solve their problems related to family, health, finance, learning capabilities etc.
- The Career Guidance Cell is dedicated to helping the students to get into careers of their choice with the purpose of enabling students realize their potential and make their dreams come true. *Refer Appendix no. V* for details on activities of the Career Guidance Cell.
- Departments of Banking & Insurance, Management Studies and IT organize career launching and counselling lectures.

The college ceaselessly strives to provide a holistic development of its students to fit into the wider world.

No. of students benefitted

17%

### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
23	458	278	No data available

### 5.8 Details of gender sensitization programmes

The WDC aims to create awareness towards gender sensitization and provide a conducive environment for both males and females for their holistic development. Hence the activities conducted aim at achieving these goals.

- A talk on “Relationship Management” by Kavita Nair Bhatia, Director, Chetana Foundation was arranged on 7<sup>th</sup> August 2014.
- Skit competition for students based on gender issues was arranged on 9<sup>th</sup> August 2014.
- Two day workshop on “Premarital Counselling” conducted by ‘Stree Mukti Sangathana’, Mumbai was arranged on 17<sup>th</sup> and 18<sup>th</sup> November 2014.
- Talk on “Polycystic Ovarian Syndrome” by Dr.Kedar Ganla for girl students was arranged on 19<sup>th</sup> November 2014.
- “Mulgi Zali Ho” enacted by volunteers of ‘Stree Mukti Sangathana’, Mumbai on 28<sup>th</sup> November 2014.
- Student’s rally was organised in collaboration with Dr. B.R. Ambedkar College, G.N. Khalsa College, R. Ruia College and R.A. Podar College, to mark Womens’ Rights as integral part of International Human Rights Day on 10<sup>th</sup> December 2014.

### 5.9 Students Activities

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

State/ University level

00/71

National level

00

International level

00

#### No. of students participated in cultural events

State/ University level

02

National level

00

International level

00

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

Sports: State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	193	94,010
Financial support from government	34	1,90,950
Financial support from other sources	09	38,400
Number of students who received International/ National recognitions	---	---

### 5.11 Student organised / initiatives

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

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

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

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

## Criterion – VI

### 6. Governance, Leadership and Management

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

Knowledge being the greatest of all wealth

To serve and advance the cause of education from primary to post-graduation

To broaden the horizons of: Academic excellence,  
Social awareness,  
Professional skills

#### 6.2 Does the Institution has a management Information System

Yes. It is implemented in the following areas -

- 1) Administrative Procedures including Finance
- 2) Student Admission
- 3) Student Records
- 4) Evaluation and examination procedures

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

#### 6.3.1 Curriculum Development

- The UG and PG programmes of the college have been assigned by the University of Mumbai. The pace of curricular redesigning in accordance with its relevance to the changing world of work and the scope to broaden the learner's attitude are highly restricted under the present system of affiliation. The credit-based semester system encourages active involvement of students in the teaching-learning process. Curricular updating is further made possible through co-curricular and extra-curricular activities of the college. Campus activities provide ample scope to shape the courses in line with emerging trends and make them relevant to suit the national and institutional objectives.

The following activities organized by the college would spell out the efforts taken by the college to introduce innovations in curricular design:

- Co-curricular activities such as guest lectures, students' presentations, exhibitions, poster-making, quiz competitions etc. were organized by various sections and associations of the college to update the students with the developments in their field of specialization. *Refer Appendix no V.*
- Field and study visits to institutions/ industry were organized to supplement pedagogical knowledge with practical experience.
- The linguistic and cultural associations such as English Literary Association, Hindi Sahitya Mandal, Gujarati Sahitya Mandal, Marathi Vangamaya Mandal, Southern Cultural Association, Music Circle, and Students' Council organized functions to enrich the literary sense as well as to propagate and strengthen the rich cultural heritage of the country. *Refer Appendix no. V.*
- Activities of the N.S.S. and N.C.C. units provided the students necessary exposure and opportunities to participate in community-oriented programmes.  
*Refer Appendix no. V.*
- The Women Development Cell of the college organized programmes that adequately sensitized the students on various gender specific issues confronting society.  
*Refer Appendix no. V.*

### 6.3.2 Teaching and Learning

- Appointment of qualified and adequate core faculty and reduction in the number of teaching staff on clock-hour basis to enable greater accessibility of teachers for guidance to students.
- Conscious and sincere efforts are made to ensure that the student assessment mechanism is reliable and valid.
- Implementation of the academic activity calendar and the teaching plan for effective running of the teaching learning programme.
- Greater use of multimedia facilities such as audio/video cassettes, computer aided learning, DLP and overhead projectors.
- Organizing group discussions, guest lectures and industrial visits to strengthen teaching-learning process.
- Establishment of linkages with University department, organizations and industries.
- The newly introduced credit-based semester system encourages active involvement of students in the teaching –learning process.

### 6.3.3 Examination and Evaluation

Conscious efforts have been made to manage examination work in a technology – enabled way to ensure effective functioning of the college.

- Examination procedure including acceptance of forms and fees, seating arrangement, preparation of results, issue of mark-sheet and certificate have been computerized.
- The credit based semester system for UG and PG programmes - B.Com. and B.Sc. have internal and external evaluation system for assessing performance of the students. The system of internal examination gives scope to have continuous evaluation of the students.
- Efficient internal evaluation techniques including projects, presentations, assignments and class tests, engage students in higher order thinking and promote professional orientation.
- Subject teachers guide the students about appropriate methods for preparing for the university examination and provide important tips to improve their performance in the examination.
- Guidance lectures are conducted for the students appearing for ATKT examination at F.Y.B.Com./S.Y.B.Com. to provide them basic guidance on subject preparation.
- Photocopy of the answer-book is made available to the students for verification on request by aggrieved students.
- Revaluation of answer-books by external examiners is undertaken on request by aggrieved students.

### 6.3.4 Research and Development

The college is committed to sustaining and enhancing growth of knowledge. The college has always upheld and created conditions conducive for promoting research. Teachers are encouraged to participate in workshops, seminars and faculty development programmes to keep themselves abreast with the developments in their area of study.

- Conducive conditions have been created to uphold and promote academic research.
- Fourteen teachers are presently engaged in part time research leading to Ph.D. degree.
- One teacher has received grant for minor research project under Faculty Development Program of University of Mumbai.

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

- Infrastructure and learning facilities have been further augmented in the college library to meet emerging needs of its users.
- Free Internet facility is available for teachers.  
Conscious efforts are made to up-grade technology to facilitate efficient educational transactions, both academic and administrative.
- Digital pH meter, Conductivity meter, Potentiometer, Colorimeter, Electrodes, Telescope, Laser diode, Milliammeter were some of the laboratory equipments purchased.
- Football, Badminton, Cricket, Chess, Carrom, Basket Ball equipments and gears are purchased in accordance with the requirement.

### 6.3.6 Human Resource Management

- 1) Principal of the college is overall in charge of college activities.
- 2) Administrative activities are monitored by the Registrar.
- 3) Academic activities are monitored by vice-principals for each stream and by respective heads of departments.
- 4) New faculty members are trained for succession by inclusion in academic and extracurricular activities.
- 5) Performance appraisal of faculty members is conducted.

### 6.3.7 Faculty and Staff recruitment

- Appointment of qualified and adequate core faculty and reduction in the number of teaching staff on clock-hour basis to enable greater accessibility of teachers for guidance to students.
- Five new appointments in the unaided section
- Timely recruitment of adequate non- teaching staff to fill vacant posts in the college.
- Efforts have been made to provide adequate payment of salaries to contractual and visiting faculties.

### 6.3.8 Industry Interaction / Collaboration

College extends help to Industry by providing opportunities to conduct placement seminars and interviews.

Industry experts are inducted on the IQAC.

### 6.3.9 Admission of Students

- Admission procedure including preparation of admission list for open, minority and reserved category, acceptance of fees, issue of Identity Card and the maintenance of General Register have been computerized.
- The University of Mumbai has adopted ICT (Information and Communication Technology) - enabled administrative processes by engaging Maharashtra Knowledge Corporation Ltd. (MKCL) for this purpose. The facility is used by the college to complete its enrolment of new entrants to F.Y.B.Com./B.Sc classes with the University of Mumbai.

### 6.4 Welfare schemes for

<b>Teaching</b>	Medical Aid provided
<b>Non-teaching</b>	Medical Aid provided
<b>Students</b>	Group Insurance Facility

### 6.5 Total corpus fund generated

Nil

### 6.6 Whether annual financial audit has been done

Yes





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

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

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

For UG Programmes    Yes     No

For PG Programmes    Yes     No

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

NA

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

NA

### 6.11 Activities and support from the Alumni Association

A strong liaison with the alumni provides the college valuable support by generating funds, placement, training and preparing the students for launching themselves into successful careers.

- The Alumni association of the college has been formally started only recently. There are around 2000 members of the association. Efforts are being made to activate the association by invigorating its activities. The college has adequate rapport with its alumni and receives ample support from them.
- Ex-students of the college provide valuable support to organize regular activities and rural camp of N.S.S.
- Those alumni who are well placed in various organization and institutions help the students by providing recruitment.
- Ex-students of the college also contribute to the college magazine –‘**The Welfarer**’ on a regular basis.
- Theatre workshop is organized by Rohak group-(ex-students of our college), which provides platform to new talents.
- Mr. Kedar Wamorkar of 2007-2008 batch funds the fees for one student every year.
- Many of our current faculty members are our students.

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

The college is yet to formally start Parent-Teacher Association. However, the college has arrangement to interact with the parents.

- Parent-Teacher meetings are arranged in the case of those students who are found wanting to improve their performance in certain areas. Parents are suitably advised to help their wards.
- Parent-Teacher meetings are arranged for the students who are found indulging in unfair practices during examinations.
- The NAAC Enabling Committee organizes a parents meeting to obtain feedback from them on various aspects of curriculum such as the fees structure, teachers' attitude with parents and other related matters.

Sr. No.	Particulars	Year 2014-15
1.	Number of meetings held	01
2.	Average Attendance	100 (Aided & Unaided respectively)
3.	Major suggestions	1) Better canteen facilities 2) Better Library facilities 3) ICT Labs- More facilities 4) Parent Teachers meetings to be held more frequently 5) Female students should be released early to go home after college functions (Unaided).

- Industrial visits are organized with the help of such of the parents who have connection with various organizations and institutions.
- Parents extend valuable support by arranging sponsors for the intercollegiate events and are actively involved during cultural activities.

## 6.13 Development programmes for support staff

Manpower development has been an important element of organizational management of the college.

The non-teaching staff is given cash incentives as remuneration for the specific work done by them, such as making of Identity Cards etc. They are given allowance for carrying out additional duties of the unaided section.

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

- 1) Use of dustbins is encouraged.
- 2) Micro-scale techniques are used in laboratories to avoid wastage and misuse of chemicals and effluents.
- 3) Campus is adequately green; the environment is not affected in spite of infrastructural development.
- 4) Environmental awareness is created by organising green Ganesha workshops in collaboration with the 'Times of India'
- 5) Swachha Bharat Abhiyaan movement was conducted on November 22, 2014 in which 96 NSS volunteers along with teaching and non-teaching staff cleaned the college premises and the nearby area.

## 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.

- Expansion of library facilities by enhancing the user friendly services and orienting students towards systematic use of library facilities.
- Provision of additional learning resources, basic and advanced laboratory equipments and sports infrastructure to keep pace with the academic growth of the college.
- Provision of more computers and related advanced accessories. Better coordination of Senior and Junior colleges to facilitate optimal use of infrastructure.
- Improvement in the regular maintenance of the college buildings.
- Infrastructure was upgraded by sprucing up of science laboratories.

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

- Augmented infrastructure by upgrading laboratories.
- Increased use of multimedia facilities, computer aided learning, DLP and overhead projectors.

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

- Organization of co-curricular and extra-curricular activities to promote an ambience of creativity and innovation as well as value-based education, social responsibilities and good citizenry.
- Promotion of research culture amongst teaching faculty and the students.
- Results are handed over to parents

*Refer to Activity Calendar in the Appendix V.*

*\*Provide the details in annexure (annexure need to be numbered as i, ii, iii)*

#### 7.4 Contribution to environmental awareness / protection

Tree plantation was done on July 25, 2014 in the Five Garden and Shraddhanand Mahila Ashram, Wadala.

Nature Trail to Sanjay Gandhi National Park, Borivli was organized for our volunteers on September 18, 2014 to create environmental awareness.

Swachh Bharat Abhiyaan movement was conducted on November 22, 2014 in which 96 NSS volunteers along with teaching and non-teaching staff cleaned the college premises and the nearby area.

Making of Eco-friendly Ganesha (Green Ganesha) workshop was held in the month of September.

7.5 Whether environmental audit was conducted? Yes  No

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

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

- To promote college-industry-neighbourhood networking.
- To stimulate the academic environment for promotion of quality teaching-learning and research.
- To promote use of technology in academic and administrative functioning.
- To augment infrastructure facilities to keep pace with academic growth.

Name: **Prof. (C.A.) Vaibhav Banjan**

*IQAC Coordinator*

Name: **Dr.P.G.Gopalakrishnan**

*Chairperson, IQAC*

## **APPENDIX-I**

### **Faculty Development Programme:**

#### **Workshops:**

##### **a) For Syllabus Revision-**

<b>Name of the Teacher Department</b>	<b>Title</b>	<b>University / State / National / International</b>	<b>Participant Paper Presented/ Resource Person</b>
Prof. (CA) Dhiren Kanabar Dept. of Accountancy	T .Y. B. Com. Revised Syllabus and Question Paper Pattern in Financial Accountancy and Auditing.	University	Participant
Prof. (CA) Sucheta Kamath Dept. of Accountancy	T .Y. B. Com. Revised Syllabus and Question Paper Pattern in Financial Accountancy and Auditing.	University	Participant
Prof.(CA) Vaibhav Banjan Dept. of Accountancy	T .Y. B. Com. Revised Syllabus and Question Paper Pattern in Financial Accountancy and Auditing.	University	Participant
Prof. Helen Selvaraj Dept. of Accountancy	T.Y.B.Com. Revised Syllabus and Question Paper Pattern in Financial Accountancy and Auditing	University	Participant
Prof. Kamala Gopalan Dept. of English	Revised 75:25 Evaluation Pattern Under Credit Based System	University	Participant
Dr. Aarti Prasad Dept. of Economics	Revised Syllabus of T.Y.B.Com.-Business Economics	University	Participant
Prof. Ravindra Singh Dept. of Commerce	Revised Syllabus in Commerce- T.Y.B.Com. & M.Com.	University	Participant
Prof. Shashikant Joshi Dept. of Maths	Revised Syllabus & Paper of Sem. VI of T.Y.B.Com. Computer Systems & Applications	University	Participant
Prof. Mukesh Naiksatam Dept. of Maths	Revised Syllabus & Paper of Sem. VI of T.Y.B.Com. Computer Systems & Applications	University	Participant
Prof. Rama Vijaykumar Dept. of Maths	Revised Syllabus & Paper of Sem. VI of T.Y.B.Com. Computer Systems & Applications	University	Resource Person
Prof. Chandrika Y.	Revised Syllabus of	University	Participant

Dept. of Maths	F.Y.B.Sc./B.A. in Mathematics P-I & P-II		
Prof. Sunita D. Shirvalkar Dept. of Chemistry	Revised Syllabus of Chemistry for B.Sc. Sem. III & IV (CBSGS)	University	Resource Person
	Revised Syllabus of Chemistry for B.Sc. Sem. III & IV (CBSGS)	University	Resource Person
	Revised Syllabus of Chemistry for B.Sc. Sem. III & IV (CBSGS)	University	Resource Person
Prof. Asha Mathew Dept. of Chemistry	Revised Syllabus of S.Y.B.Sc.-Chemistry	University	Participant
Prof. Betty Mathew Dept. of Chemistry	Revised Syllabus of Chemistry	University	Participant
Dr. Tanuja Parulekar Dept. of Chemistry	Revised Syllabus of S.Y.B.Sc.-Chemistry	University	Participant
Prof. Ajitha S. Nair Dept. of Microbiology	F.Y.B.Sc. Revised Syllabus Discussion Workshop	University	Resource Person
Prof. Rekha Bhatia Dept. of Microbiology	Credit Based Semester and Grading system for Revised F.Y.B.Sc. Microbiology Syllabus	University	Participant
Prof. Sabina Thareja Dept. of Microbiology	Credit Based Semester and Grading System for Revised F.Y.B.Sc. Microbiology Syllabus	University	Participant
Prof. Smita Sawant Dept. of Computer Science	Revised syllabus of M.Sc. IT-Part-II	University	Participant

**b) Other Workshops attended and paper presented-**

<b>Name of the Teacher Department</b>	<b>Title</b>	<b>University / State / National / International</b>	<b>Participant/Paper Presented/ Resource Person</b>
Prof.(CA) Vaibhav Banjan Dept. of Accountancy	Role of Academic Audit and Documentation for NAAC	University	Participant
Prof. Kamala Gopalan Dept. of English	Role of Academic Audit & Documentation for NAAC	University	Participant
Prof. Kirti Nakhare Dept. of English	Enhancing Language Teaching Through e- Resources.	College	Participant
Dr. Aarti Prasad Dept. of Economics	Sustainable Regional Development in India- Challenges and Opportunities	National	Participant
Prof. Rama Vijaykumar Dept. of Maths	Gurukul vs Modern Education System in India- A Comparison	International	Presented

Dr. Satish Bhalekar Dept. of Chemistry	Workshop on Spectroscopy for T.Y.B.Sc. Chemistry	College	Resource Person
	Stereochemistry	College	Resource Person
	Green Chemistry	National	Presented
Dr. Atul Deshpande Dept. of Chemistry	Green Chemistry	National	Participant
Prof. Betty Mathew Dept. of Chemistry	Avishkar 2014-15	University	Participant
	Open Source Chemistry Software	University	Participant
Dr. Tanuja Parulekar Dept. of Chemistry	Avishkar 2014-2015	University	Participant
	Basic Concepts in Organic Chemistry for S.Y.B.Sc. Students	College	Resource Person
	IPR: A Strategic Tool to Transform Innovations into Technologies at ICT	University	Participant
	Open Source Chemistry Software at IIT	College	Participant
	Workshop on Chemistry Education at ICT	International	Participant
	Pre- Conference Workshop on Chemistry Education at HBCSE, TIFR	International	Participant
Dr. Rupa Madyal Dept. of Chemistry	Research Methodology	College	Participant
	Introduction to Molecular Modelling using Win Games	National	Resource Person
	Applications of Density Functional Theory in Industrial Practice	National	Resource Person
	Molecular Modelling	National	Resource Person
Prof. Ajitha S. Nair Dept. of Microbiology	Course on Statistical Program for Social Sciences [SPSS]	College	Participant
Prof. Ravindra Deodhar Dept. of Environmental Studies	Avishkar Research Convention	University	Participant
	Research Paper Publication Process	College	Participant
Dr. Swapnesh Rangnekar Dept. of Environmental Studies	Climate Reality Leadership Corps Training Programme	International	Participant
	Teaching Aids in Geography & Science	State	Participant
Dr. Daya Sridhar Dept. of Library	Soft Skills: a Key to Professional Excellence	State	Participant



## Seminars:

<b>Name of the Teacher Department</b>	<b>Title</b>	<b>University / State / National/ International</b>	<b>Participant/Paper Presented/ Resource Person</b>
Prof. Kirti Nakhare Dept. of English	Sustaining Values: Ideas into Actuality	National	Presented
	Humour: Texts and Contexts	National	Presented
Prof. Sumati Chandok Dept. of Economics	Sustainable Regional Development in India – Challenges & Opportunities	National	Participant
	Culture, Community and Sexuality	University	Participant
Dr.Sanghamitra Mishra Dept. of Economics	Impact of Innovative Education: A Case Study on Odisha	National	Presented
Prof. Ravindra Singh Dept. of Commerce	Sustainable Regional Development	College	Participant
Dr. Satish Bhalekar Dept. of Chemistry	Chemistry-Sustainability & Environment	National	Presented
Prof. Betty Mathew Dept. of Chemistry	Recent Trends in Analytical Chemistry	National	Participant
Dr.Tanuja Parulekar Dept. of Chemistry	Quality Sustenance : Aspects and Initiatives	National	Participant
Dr. Rupa Madyal Dept. of Chemistry	Recent Trends in Analytical Chemistry	National	Participant
Prof. Neeta Khanolkar Dept. of Microbiology	Molecular Biology : Hands on Training	National	Participant
	Trends in Horticulture Based Agro Industry	National	Participant
Dr. Anuradha Natarajan Dept. of Physics	Atomic & Molecular Physics	International	Presented
Prof. Ravindra Deodhar Dept. of Environmental Studies	Environment and Tourism	National	Presented
Dr. Daya Sridhar Dept. of Library	Enhancing Access to Library Resources: A Critical Discussion, Examination and Evaluation of Web Scale Discovery Services	National	Participant

**Conference / Symposia:**

<b>Name of the Teacher Department</b>	<b>Title</b>	<b>University / State / National /International</b>	<b>Participant/ Paper Presented/ Resource Person</b>
Dr. Kamala Gopalan Dept. of English	Sustaining Values: Ideas into Actuality	College	Presented
	Pulitzer Prize Winning Women Writers	National	Presented
	Culture, Community & Sexuality	College	Participant
Prof. Kirti Y Nakhare Dept. of English	Translating Cultures	University	Participant
	Marginalisation and the Politics of Identity: Issues and Challenges	National	Participant
Dr. Gollakota V. V. Hemasundar Dept. of Maths	Perspectives of Modern Complex Analysis	International	Presented
Prof. Sunita D. Shirvalkar Dept. of Chemistry	Comparative Phytochemical Screening of <i>Vitexnegundo</i> Linn. collected from different regions of Maharashtra.	National	Presented
	Detection of Heavy Metals from the Leaf Powder of <i>Vitexnegundo</i> & the Stem Powder of <i>Tinosporacordifolia</i> .	National	Presented
	Microwave Assisted Extraction of Phytochemicals from the Leaves of <i>Vitexnegundo</i> Linn.	National	Presented
	<i>Vitexnegundo</i> Linn. & <i>Tinosporacordifolia</i> : Phytochemical Analysis, Quantification of Biomarkers & Toxicity Studies.	State	Presented
	Antimalarial Activity of <i>Vitexnegundo</i> & <i>Tinosporacordifolia</i>	International	Presented
	Application of Chromatography and Spectroscopy Techniques in Pharma & Food Analysis	State	Participant
Dr. Tanuja Parulekar Dept. of Chemistry	Conchem 2014 Societal Impact of Chemistry – Vision 2014	National	Presented
	International Conference on Education in Chemistry (ICEC-2014)	International	Presented
Dr. Rupa Madyal Dept. of Chemistry	Application of Chromatography and Spectroscopy Techniques in Pharma & Food Analysis	State	Participant

	International Conference on Education in Chemistry (ICEC-2014)	International	Presented
	Innovations in Chemical Research and Applied Chemical Sciences (ICRACS)	International	Presented
	New Perspectives in Science Education	International	Presented
Prof. Ajitha S. Nair Dept. of Microbiology	102 <sup>nd</sup> Indian Science Congress	International	Participant
Prof. Rekha Bhatia Dept. of Microbiology	Bioremediation-Recent trends and Future Prospects	National	Participant
Prof. Sabina Thareja Dept. of Microbiology	Bioremediation-Recent trends and Future Prospects	National	Participant
Dr. Daya Sridhar Dept. of Library	MAP Research Trends: Upward or Downward?	National	Presented
	Institutional Affiliation of MAP Research Literature: a Bibliometrial appraisal	National	Presented
	Authorship pattern and Collaborative Research in field of Medicinal and Aromatic Plants	National	Presented
	Role of Information Literacy in Academic Libraries	State	Presented
Prof. Ravindra Deodhar Dept. of Environmental Studies	Need for Agro-tourism in Current Science of Farmers Suicides	National	Presented
	Multidisciplinary Research-a Tool for Socio-economic Development	International	Presented
	Need for Mangrove Protection in Verge of Urban Sprawl	National	Presented
	Biggest Challenge Facing Education Today	International	Presented
Dr. Swapnesh Rangnekar Dept. of Environmental Studies	Study of Diversity and Conservation of Butterflies of Someshwara Wildlife Sanctuary, India.	International	Presented
	Tourism in and around Mumbai	National	Presented
Prof. R.Santha Maria Dept. of Information Technology	KGraft-The Live Patching Kernel	National	Presented
Prof. Mamta Kukreja Dept. of Computer Science	Cloud Computing Insights into IT Platform Architecture Transformation	National	Presented
B. Virgin Fernando Dept. of Computer Science	KGraft - The Live Patching Kernel	National	Presented

**Refresher/Orientation Course:**

<b>Name of the Teacher Dept.</b>	<b>Title</b>	<b>University / State / National / International</b>	<b>Participant/ Paper Presented/ Resource Person</b>
Prof. Helen Selvaraj Dept. of Accountancy	Orientation Course	Central University, Hyderabad.	Participant
Prof. Anagha Bapat Dept. of Physics	Nanotechnology - UGC Sponsored Refresher Course in Physics	Mumbai University	Participant
Dr.Swapnesh Rangnekar Dept. of Environmental Studies	UGC Sponsored Refresher Course in Environmental Sciences	Kerala University	Participant

## List of Papers Presented by the Teaching Staff:

- **Department of Business Communication:**

### Dr. Kamala Gopalan

1. Presented a paper entitled, "Integration of Science and Spirituality in Autobiography of a Yogi", in National Conference on "Sustaining Values: Ideas into Actuality", at Ramnarain Ruia College, Mumbai, on 9<sup>th</sup> Dec. 2014
2. Presented a paper entitled, "Traversing the Global Space in Jhumpa Lahiri's the Lowlands" at a UGC National Conference on Pulitzer Prize Winning Women Writers organised by St. Andrew's College, Mumbai, on 12<sup>th</sup> - 13<sup>th</sup> Sept. 2014

### Prof. Kirti Nakhare

1. Presented a paper entitled "Values in the Mahabharata-A Comparative Study of Irawati Karwe's Yuganta and C. Rajagopalchari's Mahabharata" at the National Seminar on Sustaining Values: Ideas into Actuality on 9<sup>th</sup> - 10<sup>th</sup> Dec. at Ramnarain Ruia College.
2. Presented a paper entitled "The Past in the Present- The Use of Satire in Re- discovering Ekalavya" UGC Sponsored National Seminar on Humour: Texts and Contexts at L.S. Patkar College.

- **Department of Economics**

### Dr. Sanghamitra Mishra

1. Presented a paper entitled "Impact of Innovative Education: A Case Study on Odisha" at the National Workshop July, 2014

- **Department of Maths**

### Dr. Gollakota V. V. Hemasundar

1. Presented a paper entitled, "Perspectives of Modern Complex Analysis in International Conference" during 21<sup>st</sup> to 25<sup>th</sup> July, 2014, Bedlewo, Poland.

### Prof. Rama Vijaykumar

1. Presented a paper entitled, "Gurukul VS Modern Education System in India-A Comparison" in International Workshop on 2<sup>nd</sup> to 4<sup>th</sup> April 2015.

- **Department of Chemistry:**

### Prof. Sunita D. Shirvalkar

1. Presented a poster entitled, "Comparative Phytochemical Screening of *Vitexnegundo* Linn. collected from different regions of Maharashtra" at the National Conference on 12<sup>th</sup> - 13<sup>th</sup> Sept., 2014 at D.G. Ruparel College, Matunga, Mumbai
2. Presented a paper entitled, "Detection of Heavy metals from the Leaf Powder of *Vitexnegundo* & the Stem Powder of *Tinosporacordifolia*" at National Conference held on 16<sup>th</sup> -17<sup>th</sup> Jan., 2015 at N.E.S. Ratnam College of Arts, Science & Commerce, Bhandup (W), Mumbai.

3. Presented a paper entitled, "Microwave Assisted Extraction of Phytochemicals from the Leaves of *Vitexnegundo* Linn." in National Conference 16<sup>th</sup>- 17<sup>th</sup> Jan., 2015 FCMS, Shivaji University, Kolhapur.
4. Presented a paper entitled, "*Vitexnegundo* Linn. & *Tinosporacordifolia*: Phytochemical Analysis, Quantification of Biomarkers & Toxicity Studies in 27<sup>th</sup> Research Scholars Meet (RSM-2015) by Indian Chemical Society & Sathaye College, Vile Parle, Mumbai.
5. Presented a paper entitled, "Antimalarial Activity of *Vitexnegundo* & *Tinosporacordifolia* in International Conference held on 19<sup>th</sup>- 20<sup>th</sup> of March, 2015 at Florence, Italy.

#### **Dr. Satish Bhalekar**

1. Presented a Poster in the National Workshop on "Green Chemistry" organized by Government of Maharashtra's Elphinstone College, Mumbai, sponsored by University Grant Commission, New Delhi, on 21<sup>st</sup> Dec. 2014.
2. Presented a Poster in the National Seminar on "Chemistry-Sustainability & Environment" organized by Ramnarain Ruia College, Mumbai, on 20<sup>th</sup> - 21<sup>st</sup> February 2015.

#### **Dr. Tanuja Parulekar**

1. Presented a poster titled "Green' Organic Synthesis Experiments for the Undergraduate Laboratory Curriculum" at Conchem 2014 National Conference 'Societal Impact of Chemistry –Vision 2020' held at D.G. Ruparel College, Mumbai, on 12<sup>th</sup> -13<sup>th</sup> September 2014.
2. Presented a paper entitled "POGIL and Organic Chemistry - an exploratory study" at International Conference on Education in Chemistry (ICEC-2014) held at Homi Bhabha Centre for Science Education (TIFR), Mumbai, during 12<sup>th</sup> to 14<sup>th</sup> December 2014.

#### **Dr. Rupa Madyal**

1. Presented a paper entitled, "Molecular Modelling Approach to Study the Reactivity of Substituted Benzene Toward Electrophilic Reaction" at International Conference on Education in Chemistry (ICEC-2014) held at Homi Bhabha Centre for Science Education (TIFR), Mumbai, during 12<sup>th</sup> to 14<sup>th</sup> Dec. 2014.
2. Presented a paper entitled "Identification of Reactive Sites in a Molecule Using Computational Chemistry" in Souvenir, International Conference on Innovations in Chemical Research and Applied Chemical Sciences (ICRACS) at Smt. Chandibai Himathmal Mansukhani College, Ulhasnagar, during 12<sup>th</sup> - 13<sup>th</sup> Jan. 2015.
3. Presented a paper entitled, "Molecular Modelling: A Tool to Understand Reactivity of Heterocyclic Compounds Effectively, in International Conference Proceedings on New Perspectives in Science Education, Florence, Italy, 2015 .

#### **• Department of Physics:**

#### **Dr. (Ms.) Anuradha Natarajan**

1. Presented a paper entitled, "Radioactive Decay from States of B-like ions" in the seminar on "Atomic & Molecular Physics" held at Tohoku University, Japan from 4<sup>th</sup> to 6<sup>th</sup> Oct. 2014.

- **Department of Environmental Studies**

**Prof. Ravindra Deodhar**

1. Presented a paper entitled, “Need for Agro-tourism in Current Science of Farmers Suicides” in National Conference on Resource Management and Agricultural Development in India held on 29<sup>th</sup> -30<sup>th</sup> Sept. 2014, at Anekant Education Society’s Jaysingpur College, Jaysingpur.
2. Presented a paper entitled, “Tourism Potentials through Health Services in India” in the International Conference on Multidisciplinary Research-A Tool for Socio-economic Development held during 24<sup>th</sup> -25<sup>th</sup> April 2015, at Pheroze Shah Mehta Bhawan, Kalina Campus, University of Mumbai.
3. Presented a paper entitled, “Need for Mangrove Protection in Verge of Urban Sprawl” in National Conference on Wetlands for Environmental Health held on 2<sup>nd</sup> Feb. at Paryavaran Dakshata Manch & Enviro-vigil, Thane & Sonapat Dandekar Arts, V.S. Apte Commerce & M.H. Mehta Science College, Palghar.
4. Presented a paper entitled, “Biggest Challenge Facing Education Today” in International Conference held on 13<sup>th</sup> -14<sup>th</sup> Dec., 2014 at Kodaikanal, Tamilnadu.
5. Presented a paper entitled, “Agro Tourism- A New Source of Dual Economy to Farmers in the Vicinity of Metropolitan City” in National Seminar on Environment and Tourism held on 19<sup>th</sup> March, 2015 at Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai.

**Dr. Swapnesh Rangnekar**

1. Presented a paper entitled, “Study of Diversity and Conservation of Butterflies of Someshwara Wildlife Sanctuary, India” in International Conference at Bangkok, Thailand from 3<sup>rd</sup> to 5<sup>th</sup> Nov., 2014.
2. Presented a paper entitled, “Tourism In and Around Mumbai” in National Conference at Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai on 19<sup>th</sup> March, 2015.

- **Department of Library and Information Centre:**

**Dr. (Ms.) Daya Sridhar**

1. Presented a paper titled “MAP Research Trends: Upward or Downward?” at the National Conference on Emerging Trends, Advancements and Challenges of Academic and Public Libraries held at SVKM’s NMIMS at Shirpur, 13<sup>th</sup> -14<sup>th</sup> June, 2014. 257-258p ISBN:978-93-84093-13-6
2. Presented paper titled “Institutional Affiliation of MAP Research Literature: a Bibliometrial Appraisal” held at UGC sponsored National Conference on Reshaping the Academic Libraries: Trends held at Jashbhai Management Patel College of Commerce, Goregaon on Sept. 2014. 410-414p ISBN 978-81-928786-0-7
3. Presented paper titled “Authorship Pattern and Collaborative Research in field of Medicinal and Aromatic Plants” held in the Multidisciplinary National Conference on Research in Higher Education at Nandurbar, on 3<sup>rd</sup> August, 2014. Vol -17:1 ISSN:2321-0389(print)
4. Presented paper titled “Role of Information Literacy in Academic Libraries” a state level seminar on Role of Librarians in Modern Era, Ahmednagar, Dec.2014.

- **Department of Computer Science:**

**Prof. Mamta Kukreja**

1. Presented a paper entitled, “Cloud Computing Insights into IT Platform Architecture Transformation in National Conference on Advancement in IT: Current Trends, Future Scenario & Impact on Society” held on 23<sup>rd</sup> August, 2014 at S.M.Shetty College of Science, Commerce & Management Studies, Powai, Mumbai.

- **Department of Information Technology:**

**Prof. R.Santha Maria**

1. Presented a paper entitled, “KGraft-The Live Patching Kernel” in 2<sup>nd</sup> Annual National Multi-Disciplinary Conference on Changing Paradigms in Commerce, Management & Technology held on 13<sup>th</sup> March, 2015 at Vidyalankar School of Information & Technology, Mumbai

**Prof. B. Virgin Fernando**

1. Presented a paper entitled, “KGraft - The Live Patching Kernel” in 2<sup>nd</sup> Annual National Multi-Disciplinary Conference on Changing Paradigms in Commerce, Management & Technology held at Vidyalankar School of Information & Technology, Mumbai



## APPENDIX—II

### List of Publications of the Teaching Staff:

#### Publications

- Department of English

#### Prof. Kirti Nakhare

1. ‘Itihasey Stree Parva? - An Analysis of The River Churning’ in Journal Cenacle Volume 1 No.4 January –December 2014, ISSN 2231-0592.
2. Paper entitled ‘The Past in the Present-The Use of Satire in Re-discovering Ekalavya’, at the UGC sponsored Two-day National Seminar on Humour: Texts & Contexts held at L.S. Patkar College. Paper published in conference proceedings ISBN:978-93-83871-55-1
3. **Project:** Currently engaged in content creation for the African Studies module as part of the UGC’s E-PG Pathshala Project.

- Department of Chemistry

#### Prof. Sunita D. Shirvalkar

1. ‘Phytochemical Screening of a Young Stem of *Tinosporacordifolia*’, International Journal of Research, Vol-4(1), July-Dec 2014, 77-78. ISSN:2231- 6124
2. ‘Detection of Heavy Metals from the Leaf Powder of *Vitexnegundo* and the Stem Powder of *Tinosporacordifolia*’ Proceedings National conference on ‘Recent Developments in Synthetic & Materials Chemistry’ January 2015, 136-139. ISBN: 978-81-922163-5-5

#### Dr Satish Bhalekar

Synthesis of Substituted 3-{[4-(3-chloro-6-oxopyridazin-1(6*H*)-yl)phenyl]amino}-5*H*-[1,3]oxazolo[3,2-*a*]pyrimidin-5-ones” Indian Journal of Heterocyclic Chemistry, Vol. 24, July-Sept.,2014, pp 01-04.

#### Dr. Rupa Madyal

1. ‘Molecular Modelling: A Tool to Understand Reactivity of Heterocyclic Compounds Effectively’, in International Conference Proceedings on New perspectives in Science Education, Edition 4 published by Libreriauniversitaria.it, Florence, Italy. 2015 Page 282 ISBN: 978-88-6292-600-3

- Department of Library

#### Dr. Daya Sridhar

1. “New Marketing Strategies of ICT services” in the International E-Journal Library Science on Impact of ICT on today’s Society, vol.2:1 June 2014, ISSN 2278-7801

2. "Impact of E-Learning in Library: an overview" in SANSMARAN Research Journal, vol 4:1, June, 2014, ISSN 2278-7801
3. "Marketing of library services in Web based environment: a study" in the International Journal of Researches in Social-Science and Information Studies Vol II: III, Sept. 2014 ISSN 2347-8268.
4. "MAP Research Trends: Upward or Downward?" "Conference Proceedings on Emerging Trends, Advancements and Challenges of Academic and Public Libraries, June 13-14, 2014. 257-258p ISBN: 978-93-84093-13-6.
5. "Institutional Affiliation of MAP Research Literature: a Bibliometrial appraisal" Conference Proceedings on Reshaping the Academic Libraries: Trends Sept. 2014. 410-414p ISBN 978-81-928786-0-7.
6. "Authorship pattern and Collaborative Research in field of Medicinal and Aromatic Plants" Proceedings on Research in Higher Education at Nandurbar M.S on 3<sup>rd</sup> August, 2014. Vol - 17:1 ISSN: 2321-0389 (print).

## **Books:**

- **Department of Accountancy:**

### **Prof. (CA) Dhiren Kanabar**

Co-author –

1. 'Financial Accounting' for T. Y.B.Com. , Sheth Publications

### **Prof. (CA) Vaibhav Banjan**

Co-author-

1. Cost Accounting for T.Y. B. Com. (Sem. V) ,Sheth Publications
2. Cost Accounting for T.Y. B. Com. (Sem. VI), Sheth Publications

- **Department of Economics**

### **Dr. Aarti Prasad**

1. Book titled, 'Who Cares? Socio-economic Conditions of Nurses in Mumbai', published by Himalaya Publishing House, 2014 with publication grant received from ICSSR.

- **Department of Commerce:**

### **Ravi Singh**

Co –author -

1. Cost Accounting- S.Y.B.B.I (Sem. IV), Himalaya Publishing House
2. Financial Management- S.Y.B.B.I (Sem. V) ,Himalaya Publishing House

- **Department of Chemistry**

### **Prof. Asha Mathew**

Co –author -

1. Physical Chemistry, F.Y.B.Sc., Himalaya Publishing House
2. Physical Chemistry, S.Y.B.Sc., Himalaya Publishing House
3. Physical Chemistry, T.Y.B.Sc., Himalaya Publishing House

### **Dr.Tanuja Parulekar**

Co –author –

1. Organic Chemistry, F. Y. B. Sc., Himalaya Publishing House

- **Department of Business Management Studies**

**Prof. Vinod Nayak**

Co –author -

1. Banking & Insurance, S.Y.B.Com., Himalaya Publishing House
2. BMS, F.Y.BMS, Financial Accounting, Himalaya Publishing House
3. Business Law, F.Y.B.F.M, Himalaya Publishing House

- **Department of BBI**

**Dr.Veena Prasad**

Co –author -

1. Entrepreneurship Management for the S.Y. B. Com. Banking & Insurance students ( Sem. IV), Himalaya Publishing House
2. Human Resource Management for T.Y. B. Com. Banking & Insurance students ( Sem. VI), Himalaya Publishing House
3. Economics – II (Macro) For F.Y. B. Com. Banking & Insurance students ( Sem. II), Himalaya Publishing House
4. Cooperatives and Rural Markets for S.Y. Bachelors of Management Studies (Sem. IV), Thakur Publishers, Pune.
5. Principles of Management for F.Y. Bachelors of Management Studies (Sem. I) Thakur Publishers, Pune,

## **APPENDIX-III**

### **Details of Research Scholars:**

#### **Vice Principal (Ms.) Neeta Khanolkar, Head, Department of Microbiology**

- Selected for the Ph. D programme under the guidance of Dr. D. B. Thakare, Head, Department of Microbiology, K.B.P College, Vashi, University of Mumbai.

#### **Prof. (Ms.) Sunita Shirvalkar, Department of Chemistry**

- Presently doing research on “ Study of Antimalarial Activity of Some Medicinal Plants with Betulinic Acid and Berberine as Markers” leading to Ph.D. degree in Chemistry of the University of Mumbai, under the supervision of Dr.Kiran Mangaonkar , Mithibai College ,Mumbai.

#### **Prof. (Ms.) Rekha Bhatia, Department of Microbiology**

- Presently doing research on “Prevalence, Characterization and Treatment of ‘Carbapenam Resistant Enterobacteriaceae’ in Mumbai” leading to Ph. D programme under the guidance of Dr.Saraswati Patel, Associate Professor in Microbiology of CHM College, University of Mumbai.

#### **Prof. (Ms.) Sabina Thareja, Department of Microbiology**

- Presently doing research on “Evidence Based Validation of Woodfordia Fruticosa (Linn) Kurz Flowers as a Fermenter in the Preparation of Ayurvedic Formulation” leading to Ph.D degree in Biotechnology of University of Mumbai, under the guidance of Dr. Sunita Shailajan, of Ramnarain Ruia College, Mumbai .

#### **Prof. (Ms.) Ajitha Nair, Department of Microbiology**

- Presently doing research on “Studies on Probiotic Bacillus Species for Nutraceutical Preparation” under the guidance of Dr.Apartna Dubhashi,G. N. Khalsa College, University of Mumbai.

#### **Prof. (Ms.) Mariamma Danny: Department of Physics**

- Presently doing research on “A systematic study on the L X-ray satellites of some multi-excited atoms” leading to Ph.D. degree of the University of Mumbai under the supervision of Dr. Lakshmi Natarajan, Department of Physics, University of Mumbai.

#### **Prof. (Ms.) Asha Mathew, Department of Chemistry**

- Presently doing research on Electrometric Speciation and Spectrophotometric Studies of Lanthanide – PAN Complexes in Micellar Media” leading to Ph.D. degree of the University of Andhra Pradesh under the supervision of Dr. P Shyamala and Prof. (Dr) A Satyanarayana (Co-Guide) from department of Physical, Nuclear and Chemical Oceanography, School of Chemistry, Andhra University.

#### **Prof. (Mr.) Sandeep Vansutre, Department of Physics**

- Presently doing research on “Investigation of Multiferroic Behaviour in Rare Earth –Transition Metal Oxides (RTO<sub>3</sub>) in Bulk and Nano sized Formulations” leading to Ph.D. degree of the University of Mumbai under the supervision of Dr.Radha Srinivasan, Department of Physics, University of Mumbai.

**Prof. (Ms.) Kirti Nakhare: Department of Business Communication**

- Presently doing research on “A study of the subaltern in select works based on the Mahabharata” leading to Ph.D. degree of the University of Mumbai under the supervision of Dr. Hemangi Bhagwat of Somaiya College, Mumbai.

**Prof. (Ms.) Rama Vijaykumar: Department of Mathematics**

- Presently doing research on “Indian Contribution to Mathematics In Relation To Aryabhata and Brahmagupta” leading to Ph.D. degree of the JJT University under the supervision of Dr. Prabha Rastogi of Bhavans College, Andheri, Mumbai.

**Prof. (Mr.) Ravindra Singh: Department of Bachelor of Management Studies**

- Presently doing research on “A Critical Study on Human Resource Practices in Pharmaceutical Companies with Special Reference to Medical Representatives in Mumbai Region” leading to Ph.D. degree of the University of A.P. (Kuppam) under the supervision of Prin. P.G. Gopalakrishnan of S.I.W.S. College, Mumbai.

**Prof. (Mr.) Vinod Nayak: Department of Bachelor of Commerce (Banking & Insurance)**

- Presently doing research on “A Study of Job Satisfaction on Employees of Mumbai Police” leading to Ph.D. degree of the University of A.P. (Kuppam) under the supervision of Prin. P.G. Gopalakrishnan of S.I.W.S. College, Mumbai.

**Prof. (Ms.) S. Helen Selvaraj: Department of Accountancy**

- Presently doing research on “A Study on Investment Pattern of Unaided Professional Degree College Teachers in Mumbai” leading to Ph.D. degree of University of A.P. (Kuppam) under the supervision of Dr.P.G.Gopalakrishnan, of S.I.W.S. College, Mumbai.

**Prof. Ravindra Deodhar: Department of Environmental Studies**

- Presently doing research on “A Study of Development of Agro-tourism and its Socio-Economic Impact on Raigad District of Maharashtra” leading to Ph.D. degree of University of Mumbai under the supervision of Dr. S.A. Thakur, Department of Geography, S.P.K. College , Sawantwadi.

**Research Projects Undertaken by Faculty Members:**

The details of the on-going research projects are given below:

<b>Sr. No.</b>	<b>Name of the Guide/ Department</b>	<b>Name of Student/ Teacher</b>	<b>University/ Degree</b>	<b>Project Title</b>
<b>1</b>	Department of Chemistry	Dr. Rupa Madyal	University of Mumbai Minor Research Project	Complexation of mono and divalent metal ion from aqueous solution

## **APPENDIX-IV**

### **➤ Industrial Visits Organised:**

#### **DEPARTMENT OF BMS& BBI**

6. Industrial visit was organised for Second and third year BMS &BBI students to Chandigarh, Manali and Amritsar and visited the Shawl Factory and Lee Cooper Company.
7. Two day Industrial visit was organised for the First Year BMS & BBI students to Igatpuri, Nashik to visit Unik Polymers , Samruddhi Paper and Pulp Conversion Pvt. Ltd. And Beacon Industries.

#### **➤ DEPARTMENTS OF INFORMATION TECHNOLOGY & COMPUTER SCIENCE**

- Industrial visit to Mapro Industry, Mahabaleshwar, was organised.
- Industrial visit to Saras Industry, Jaipur was organised.

#### **➤ PLANNING FORUM**

- Organised a one day Industrial visit to Lonavala.They visited Uttar school of Environment, Cougar Paints Ltd, Maganlal Food Products.
- Visit to RBI Monetary Museum.

#### **➤ DEPARTMENTS OF CHEMISTRY**

- Industrial visit to a Pharmaceutical Company- IPCA and Food Industry- MAN Foods Ltd. At Silvassa, Gujarat.

## APPENDIX-V

### Activity Calendar: 2014-2015

Date	Event
<b>Banking &amp; Insurance(BBI)&amp; Bachelor of Management Studies(BMS)</b>	
6.08.2014	Intercollegiate seminar– <i>Acanthus</i> . 82 Colleges participated, 826 students attended.
26.08.2014	IMS conducted seminar on career guidance.
27.08.2014	APTECH aviation conducted a seminar on opportunities available in aviation industry.
12.09.2014	ARENA Animation conducted a seminar on opportunities available in animation field.
24.09.2014	A seminar was conducted by Jambori on various avenues available abroad.
18.11.2014 -19.11.2014	Kohinoor Institute conducted seminar on various technical courses available.
03.12.2014-04.12.2014	Retail Ability Institute conducted seminar on career opportunities in retail management.
12.12.2014	CMS conducted seminar to prepare students for CET and CAT entrance exams.
15.12.2014	MAAC Institute conducted seminar for creating awareness about 3D Animation and its importance in industry.
19.12.2014	‘Teach for India’ conducted a seminar for creating awareness amongst students to contribute to a social cause.
23.01.2015-25.01.2015	‘ <i>EHLAAN-15</i> ’ Intercollegiate festival, where 110 colleges participated in 59 different events, was conducted. <b>Theme-</b> Unleashing the Memories and Joy of Giving.
<b>Industrial Visits</b>	
21.08.2014-23.08.2014	FYBMS and FYBBI students visited Unik Polymers and Samruddhi Paper and Pulp Conversion Pvt. Ltd.& Beacon Industries at Igatpuri, Nashik.
27.01.2015 -04.02.2015	SY and TY BMS and BBI students visited shawl and Lee – Cooper factories at Chandigarh, Manali and Amritsar.
<b>Career Guidance Cell and Placement Cell</b>	
July 2014	Kraft Educational Services provided an opportunity to work as full time office administrators.
13.08.14	Seminars were conducted by The Chopras Education Abroad
14.11.14	Reachout Overseas Pvt. Ltd. proposed to our students an excellent opportunity to start their career with Internship in various fields in Australia.
01.12.2014	Pennar Environment gave opportunity to B.Sc.(Chemistry or Biochemistry) as sales trainees.
03.12.2014	Aliff Overseas Consultants took seminar on the topic ”Various Career options available abroad”.



04.12.2014	ICICI Prulife conducted placement drive. <b>22 students were selected.</b>
06.12.2014	Mr.Shivam Kakadia addressed the final year students about Teach For India and the Fellowship.
12.12.2014	Thomas V. T. from Connets India conducted Recruitment Drive, an initiative by Alma Mater for the placement of our ex-students (Graduates).
18.12.2014 and 06.02.2015	TCS conducted campus recruitment drive for TCS-Business Process Services for B.Com. and B.Sc. Students . <b>27 students were selected.</b>
28.01.2015	Career launcher, Aptech Aviation and Fly High Academy conducted a seminar.
14.02.2015	IGATE conducted interviews for B.Sc.IT students.
<b>Computer Science &amp; Information Technology</b>	
<i>Industrial Visits</i>	
12.09.2014	Industrial Visit to Mapro Industries, Mahabaleshwar.
20.09.2014-24.09.2014	Industrial Visit to Saras Industries, Jaipur.
16.01.2015 – 17.01.2015	“ <b>RESONANCE</b> ”- Intercollegiate Competition included events such as Carrom, Box Cricket, Chess, Table-Tennis, Group Dance, Solo Dance Personality Contest, Fashion Show, LAN games, Typing Guru, Web Designing, Debugging, Hard Shoot, Logo Designing , Treasure Hunt, Sudoku,I.T. Quiz, Write a Programme, IT Quiz ,Paper Presentation, etc.
19.01.2015-20.01.2015	Two day workshop in the application “Development on Android Platform” in association with CMC Ltd. And Tata Enterprise.
24.01.2015	Lecture on ‘Project Development’ organised by Oracle DBA from TCS.
29.01.2015	Seminar on ‘Computer Networking’ by globally recognised trainer from CCNA.
31.01.2015	Career guidance programme on ‘Careers after B.Sc. IT’ organised by Vidyalkar Dynanapeeth Trust.
<b>Commerce Association</b>	
August 2014	Case study competition was held for B.Com, BMS and BBI students .
14.08.2014	Golden Maritime Institute Educational trust conducted career guidance awareness on Merchant Navy highlighting scope of job opportunities and its requirements.
21.08.2014	Fly High Aviation Academy conducted a seminar to enlighten students on various career possibilities in aviation.
19.11.2014	Session on SIP was held for B.com students.
28.11.2014	Employment enhancement training programme was conducted for

	23 days. It aimed at enhancing student's employability.
January 2015	Ad Mad Show was conducted for all commerce students.
<b>Cultural Association</b>	
03.09.2014	Rangoli workshop was organised for students
22.11.2014	Rangoli competition was organised.
26.11.2014	Dance Competition (Solo and Group )
02.12.2014	Singing Competition
22.12.2014	Personality Contest. Mr and Ms SIWS were crowned at this occasion.
23.12.2014	'Grand Show' was held as part of college Annual Day. <b>Achievement:</b> 1) Mr. Shijo Shaji of T.Y.B.Com. was crowned <b>Mr. University</b> for the year 2014-15.
<b>English Literary Association</b>	
26.07.2014	Essay Writing Competition on following topics: a) Stress and its effects on youth b) Modern day heroes and idols c) Influence of religious beliefs on diet d) Impact of digital media on quality of life
26.08.2014	Short Story Writing Competition-students were given the beginning line and were expected to weave a story from there on.
06.12.2014	Poetry Writing Themes- a) Happiness b) Patience c) Separation
12.12. 2014	Love Letter Writing Competition
<b>Fine Arts Circle</b>	
26.07.2014	Poster Making Competition
26.08.2014	Best –Out – of- Waste Competition
11.12.2014	Mehandi Competition
February 2015	Greeting Card making
<b>Gujarati Sahitya Mandal</b>	
23.12.2014	Performance by Mandal's students at the cultural day events.
13.01.2015	"GarbaNite 2015"
<b>Gymkhana</b>	
<b>Intercollegiate</b>	
7.08.2014 – 9.08. 2014	Intercollegiate Chess tournament (Boys and girls) was held at Shri Narayan Guru College, Chembur. 6 Members of college chess team showed their best performance.
01.09.2014-06.09.2014	Intercollegiate Badminton tournament (Boys and Girls) was held at University Sports Pavilion Badminton court. Ms. Laghavi D. Bankar of S.Y.B.Com and Mr.Sahil Navalkar of T.Y.B.Com. reached up to quarter - final stage.

15.09.2014 -16.09.2014	Intercollegiate Football tournament was held at K.J. Somaiya Medical Ground. 17 members of college football team represented at intercollegiate football tournament and shown their best performance and reached the second round.
17.10. 2014	Intercollegiate Basket Ball tournament (Girls) University sports pavilion, Marine Lines. 12 members of college Basket Ball team represented the college intercollegiate basketball tournament and shown their best performance in quarter final stage.
18.11.2014,21.11.2014 & 16.12.2014,23.12.2014	Intercollegiate Cricket Tournament was held at S.P .Ground, Navroz and B.C.C.A Ground,.17 Members represented the college.
08.01. 2015	Intercollegiate Kabaddi tournament was held at Swamy Vivekananda College. 12 members of college Kabaddi team represented the college at Intercollegiate Shivneri Trophy and reached quarterfinal stage.
<b>Hiking and Nature Club</b>	
August 2014	One day hike to Bhivapuri near Karjat. 70 students participated.
February 2015	Nature Trail to Saguna Baug.
<b>Hindi Sahitya Mandal</b>	
26.07.2014	Essay Writing Competition. Topics- a) Nayi Sarkar Nayi Chunautiyan b) Cricket Banam Football c) Narisuraksha- Samasya or Samadhan
26.08.2014	Short Story Writing Competition The students were given an opening line to weave a story on.
24.01.2015	Poetry Writing
24.01.2015	Love Letter Writing
<b>Library</b>	
July 2014	Library Orientation for Degree College Freshers.
July 2014	I- Card distribution – Aided and unaided.
13.09.2014	Poster Making competition Topic:
01.10. 2014	Annual Saraswati Pooja.
<b>Marathi Vangmay Mandal</b>	
	Nibhandha Lekhan Spardha (Essay Writing Competition)
	Laghukatha Lekhan Spardha (Short Story Writing Competition)
	Rangoli Spardha
<b>NCC</b>	
	Enrolment of students with Army Unit of G.N. Khalsa College, Matunga Organized regular parades every Sunday morning Cadets attend the Annual Training camps.
19.12.14	Annual selection of the cadets of the college

10.07.2014-19.07.2014	Girl cadets attended the Annual Training Camp at Neral
27.10.2014-05.11.2014	Combined ATC at Ghatkopar –Girls
17.11.2014-26.11.2014	NCC Day camp at Colaba- Girls
01.10.2014-10.10.2014	Combined ATC at Nashik – Boys
16.12.2014-20.12.2014	Army attachment camp with MIRC at Ahmednagar –Boys
19.12.2014	NCC Day Celebrations at G.N. Khalsa college-Girls and Boys.  <b><u>Achievements:</u></b> One girl cadet was awarded “Best in Games” at the Combined Annual Training Camp (CATC). One girl cadet was awarded “Best Turnout” Two girl cadets acquired ‘Orange’ and ‘Yellow’ belt in Karate. One boy cadet was adjudged “Best CSM”
<b>NSS</b>	
June 2014	NSS unit started with the enrolment of 250 students.
14 .07. 2014	A rally on <b>Nashabandhi</b> was organized by Mumbai University from Gateway of India to Azad Nagar in which 14 NSS volunteers from our college took part.
25.07. 2014	Our students contributed their bit to save the environment by planting trees in the Five Garden and Shraddhanand Mahila Ashram, Wadala in which 87 volunteers took part.
05.08.2014 & 05.12.2014	A blood donation drive was organized, in which 158 blood bottles were collected, besides conducting the Thalassemia test. A second blood donation drive was organized in which 126 blood bottles were procured, thus making a remarkable contribution of 284 blood bottles in total in the academic year 2014-15.
06.08.2014	A <b>Peace March Rally</b> from Azad Maidan to Gateway of India was conducted by Mumbai University in which our 40 NSS volunteers participated.
08.08.2014	A seminar on <b>Tobacco Chewing</b> was organized. The seminar aimed at spreading awareness to build up a tobacco free society in which 60 NSS volunteers participated.
11.08.2014	A visit to <b>Blood Bank</b> was organized in which 70 NSS volunteers visited the KEM Hospital to increase their awareness about blood composition and blood donation.
27.08.2014	<b>Blue Ribbon Movement</b> Orientation lecture was conducted.
28.08.2014	Around 40 NSS volunteers from our college took part in Times Green Ganesha event , in which our college stood first among the list of colleges such as Khalsa College, Gurunanak College etc.
08.09.2014	<b>Crowd Controlling</b> for Ganpati Visarjan event was organized by Mumbai University at Dadar TT in which our 41 NSS volunteers participated.
09.09.2014	Keeping the promise to save our environment, beach cleanliness

	drives were organized at Shivaji Park and Girgaon Chowpaty in which 40 NSS-volunteers participated.
12.09.2014	<b>Blue Ribbon Movement</b> workshop was organized.
16.09.2014	<b>YGPT Memory Workshop</b> was organized.
18.09.2014	A Nature Trail to Sanjay Gandhi National Park, Borivli was organized for our volunteers to create environmental awareness.
01.10.2014	A <b>rally on Anti-Drug \ liquor \tobacco</b> was organized by Mumbai University in which 25 NSS volunteers from our college participated.
22.11.2014	As guided by the Honourable Prime Minister of India Shri Narendra Modi to accomplish Mahatma Gandhi's Vision of a clean India, <b>Swachha Bharat Abhiyaan</b> movement was conducted in which 96 NSS volunteers along with teaching and non-teaching staff cleaned the college premises and the nearby area.
26.11.2014-02.12.2014	A rural camp was conducted at Mamnoli, Kalyan, in which 60 NSS volunteers participated. A typical day in the camp used to start at 5.30 AM with aerobics and jogging which was followed by shramadan. Post lunch various sessions such as Snake Show, Street Plays, Workshops on Personality Development and Acting Skills were organized for the volunteers. The day used to end with other cultural events followed by the dinner.
06.12.2014	It is not how much we give but how much love we put into giving. Our volunteers conveyed their love and affection by distributing sweets and books amongst the poor children from slums around Wadala Bridge.
30.12.2014-31.12.2014	Our 10 NSS volunteers welcomed the year 2015 by spending their time at old age and blinds home at Goregaon on December 30-31, 2014.
21.01.2015	A Fire Brigade Seminar cum Workshop was organized for 50 NSS volunteers to make them aware about how to handle the fire related crisis.
	<p><b>Achievements:</b></p> <ol style="list-style-type: none"> <li>1) Sukumar Esakkimuthu and Mr. Ganeshan Raja of F. Y. B. Com were selected for the Leadership Training Camp held at during August 16, 2014 – August 20, 2014.</li> <li>2) Pooja Madhav Singh Rana from S. Y. B. Com has been selected for SRD and NRD Parade Camps held at Amravati and Vishakhapatnam respectively.</li> <li>3) Mr. Ram Chandran Pillai and Avinash Kunchikar from S. Y. B. Com. were selected for Avhan Camp held at Nagpur during June 15, 2014 to June 16, 2014.</li> <li>4) Ms. Divya Madhav Singh Rana from S. Y. B. Com has been selected for state level Adventure Camp held at Amravati during January 7, 2015 to January 12, 2015.</li> <li>5) Ms. Shahina Shaikh from S. Y. B. Com won the third prize in kurta making competition held at Ruia College, Matunga.</li> </ol>

	6) Mr. Ramchandran Pillai was awarded the best all-rounder NSS Volunteer. 7) Mr. Vasant Kumar and Ms. ShaliniSuvarna of S.Y. B. Com, were awarded the Best Male and Female NSS Volunteers.
<b>Planning Forum</b>	
<b>Industrial Visits</b>	
02.08.2014	One day Industrial visit to Lonavala – visited Cougar Paint Ltd., Uttar School of Environment, Maganlal Food Products.
29.01.2015	RBI Monetary Museum
29.08.2014	Elocution Competition. Topics: <ul style="list-style-type: none"> <li>• Role of Youth in a Democracy</li> <li>• Economics of Water Conservation</li> <li>• Challenges of Urbanization</li> <li>• Economic Implications of Creating Smaller States.</li> <li>• Foreign Direct Investment- Issues and Challenges</li> </ul>
01.12.2014	A.D. Shroff memorial elocution competition is a very important activity of the forum sponsored by the Forum of Free Enterprise since 2005-06. The main objective of the forum of free enterprise is to update students on new economic changes and invite their contributions on policy decisions.
<b>Science Association</b>	
28.08.2014	Visit to Nehru Science Centre for B. Sc. students
12.09.2014	Poster making Competition
18.11.2014-29.11.2014	Robotic wireless workshop
09.01.2015	Lecture on peaceful uses of atomic energy by Dr. Z.R. Turell
<b>Southern Cultural Association</b>	
11.09.2014	Onam Celebrations- Pot painting, Pookalam, Slow cycling, Solo and group dance.
11.09.2014	Thirukural Recitation competition was held, with enthusiastic participation from Tamil speaking as well as Non Tamil speaking students.
12.01.2015-13.01,2015	Pongal Celebrations – Children between 8-12 years were invited from Don Bosco Shelter. Cultural programmes were organised .Also events like Hair braiding, Dressing competition, Masterchef (South) and Pongal making.
<b>Students' Council</b>	
12.07.2014	Guru Purnima Day celebrations
04.08. 2014	Friendship Day
11.08.2014	VIBGYOR Week
05.09.2014	Teachers Day Celebrations
13.09.2014	Chocolate Day
26.11.2014	Black and White Day
09.12.2014	Saree and Tie Day
12.12.2014	D J Eve
19.12.2014	Rose Day.

<b>Women Development Cell</b>	
07.08.2014	Talk on “Relationship Management’ by Kavita Nair Bhatia, Director, Chetana Foundation.
09.08.2014	Skit competition for students based on gender issues.
17.11.2014-18.11.2014	Two day workshop on “Premarital Counselling” conducted by ‘Stree Mukti Sangathana’ Mumbai.
19.11.2014	Talk on “Polycystic Ovarian Syndrome” by Dr.Kedar Ganla for girl students.
28.11.2014	“Mulgi Zali Ho” enacted by volunteers of ‘Stree Mukti Sangathana’ Mumbai.
10.12.2014	Student’s rally in collaboration with Dr. B.R. Ambedkar College, G.N. Khalsa College, R. Ruia College and R.A. Podar College, to mark Womens’ Rights as integral part of International Human Rights Day.

S.I.W.S. College Wadala (E)

N.S.S. Unit 2014-2015

Camp Address-Kalyan, Murbad, Mammoli, Hindu Seva Sangh, Kalyan (E)

<b>Date</b>	<b>Events</b>
<b>26/11/14</b>	<u>Morning</u> - Arrival at camp site, Inauguration by Apte Sir. <u>Afternoon</u> - Ice Breaking Session, Group Dividing. <u>Evening</u> - Evening Prayer, Report Writing.
<b>27/11/14</b>	<u>Morning</u> - Exercise (Jogging, Yoga), Shramadan (Grass Cutting, Protecting Trees by Painting Fertilizer). <u>Afternoon</u> - Acting Session by Satywan Tawre Sir. <u>Evening</u> - Evening Prayer, Street Play Practice, Report Writing.
<b>28/11/14</b>	<u>Morning</u> - Exercise (Jogging, Yoga), Shramadan (Grass Cutting, Protecting Trees by Painting Fertilizer). <u>Afternoon</u> - Snake Show by Sunil Kadam Sir. <u>Evening</u> - Evening Prayer, Street Play Practice, Report Writing.
<b>29/11/14</b>	<u>Morning</u> - Exercise (Jogging, Yoga), Shramadan (Grass Cutting, Protecting Trees by Painting Fertilizer). <u>Afternoon</u> - Street Play Practices, Poster Making Practices. <u>Evening</u> - Evening Prayer, Session on Star Gazing by Amit Salve Sir, Report Writing.
<b>30/11/14</b>	<u>Morning</u> - Exercise (Jogging, Yoga), Shramadan (Grass Cutting, Protecting Trees by Painting Fertilizer). <u>Afternoon</u> - Session on Personality Development by Deepak Salve Sir. <u>Evening</u> - Evening Prayer, Poster Making Competition, Report Writing.
<b>1/12/14</b>	<u>Morning</u> - Exercise (Jogging, Yoga), Shramadan (Grass Cutting, Protecting Trees by Painting Fertilizer). <u>Afternoon</u> - Team Building game, Street Play Competition by Ganesh Shirke Sir. <u>Evening</u> - Evening Prayer, Report Writing.
<b>2/12/14</b>	<u>Morning</u> - Exercise (Jogging, Yoga), Feedback Session. <u>Afternoon</u> - Prize Distribution & Thanks Giving Ceremony.



## APPENDIX VI

### 1. Laboratory Instruments Added During the Year:

#### Physics Laboratory

Sr. No.	Description of the Instruments/Equipments	Units
1	Milliammeter s	12
2	Telescope	02
3	Retort stand 42"	02
4	Laser diode with stand	1
5	Fly wheel	01
6	Quartz prism	01
7	Thermometer	12

#### Computer Science and Information Technology Laboratory

Sr. No.	Description of the Materials	Units
1	i5 3 <sup>rd</sup> Generation (Desktop)	25

#### Microbiology Laboratory

NIL

#### Chemistry Laboratory

Sr. No.	Description of the Instruments / Equipments	Units
1	Digital pH meter	1
2	Digital conductivity meter	3
3	Digital potentiometer	1
4	Electrodes	13
5.	Digital Colorimeter	1

## 2. Gymkhana Stock Added During the Year:

No.	Name of the game	Sports Equipment	Total no. of Items Purchased
1	FOOTBALL	a) Jersey and Shorts b) Football Stockings c) Football d) Team allowances	15 Nos 15 Nos 08 Nos 17 Nos
2	BADMINTON	a) Badminton Shuttle cock b) Team Allowances	10 Boxes 10 Nos
3	TABLE TENNIS	a) Table tennis Rackets	04 Nos
5	CHESS	a) Team Allowances	07 Nos
6	CARROM	a) Carom powder b) Strikers	10 packets 10 Nos
7	BASKET BALL	a) Jersey and Shorts (Boys) b) Jersey and Shorts (Girls) c) Team allowances	12 Nos 12 Nos 24 Nos
8	KABADDI	a) Anklets b) Jersey and Shorts c) Allowances	6 Nos 12 Nos 12 Nos
9	CRICKET	a) Cricket net b) Batting gloves c) Cricket bat d) Cricket caps e) Cricket ball f) Leg guards g) Team allowances	01 No 01 packet 01 No 16 Nos 24 Nos. 01 packet 17 Nos
10	TROPHIES AND SPECIAL PRIZES	a) Medals gold b) Medals silver c) Medals bronze d) Championship trophy	60 Nos 60 Nos 40 Nos 04 Nos