

The Annual Quality Assurance Report

2016-17

Royal College of Arts, Science and Commerce

Submitted to

**The National Assessment
&
Accreditation Council (UGC)**



**Founder Principal & Hon. Director
Prof. A. E. Lakdawala**

Compose

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Re: AQAR 2016-17 Royal C...

Message 5 of 10

From **CAPU AQAR**

To igac@royalcollegemiraroad.edu.in

Date **2018-04-20 03:39**

NAAC/AQAR ACK/ APRIL/2018/

Royal Higher Education Society's Royal College of Arts, Science &
Commerce

Penkar Pada, Srushti Complex,
Near Bhakti Vedanta Hospital, Mira Road [E]
Maharashtra

Subject: Acknowledgement of AQAR

We are Acknowledging the receipt of Online Submission of Annual
Quality Assurance Report (AQAR) for the Year: 2016-17.

For any queries related to AQAR, you may kindly contact E-mail ID
(capuaqar@gmail.com).

Wishing you success in your Quality Enhancement Process.

THANKS WITH REGARDS
CAPU-AQAR
(CENTRAL APPLICATION PROCESSING UNIT)

On Tue, Apr 17, 2018 at 3:17 PM, <igac@royalcollegemiraroad.edu.in> wrote:

Ref.No. R.C. /NAAC /2016-2017

17/04/18

To,
The Chairman
National Assessment and Accreditation Council (NAAC)
P.O. Box. No. 1075, Nagarbhavi
Bangalore-560072

Sir,

Ref: Internal Quality Assurance Report for the academic

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Part A**1. Details of the Institution****1.1 Name of the Institution**

Royal Higher Education Society's
Royal College of Arts, Science & Commerce

1.2 Address Line 1

Penkar Pada, Srushti Complex,

Address Line 2

Near Bhakti Vedanta Hospital

City/Town

Mira Road [E]

State

Maharashtra

Pin Code

401107

Institution e-mail address

royalcollege_office@yahoo.com

Contact Nos.

28453232 / 28459524

Name of the Head of the Institution:

Prof. A. E. Lakadawala

Tel. No. with STD Code:

022-28459930

Mobile:

9821093756

Name of the IQAC Co-ordinator:

Dr. Juliet Miranda

Mobile:

9869798293

IQAC e-mail address:

iqac@royalcollegemiraroad.edu.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

MHCOGN 10156

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC/55/RAR/056 dated 27-03-2011

1.5 Website address:

https://www.royalcollegemiraroad.edu.in

Web-link of the AQAR:

<https://royalcollegemiraroad.edu.in/wp-content/uploads/2019/01/AQAR-2016-2017.pdf>

1.6 Accreditation Details

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B++	---	Sept." 2003	---
2	2 nd Cycle	A	3.10	27/03/2011	26/03/2016
3	3 rd Cycle	-	-	-	-
4	4 th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC: DD/MM/YYYY

30th June 2005

1.8 AQAR for the year (for example 2010-11)

2016-17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC. ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

- i. AQAR 2015-16 submitted to NAAC on 25/04/2016
- ii. AQAR 2014-15 submitted to NAAC on 22/04/2016
- iii. AQAR 2013-14 submitted to NAAC on 02/07/2015
- iv. AQAR 2012-13 submitted to NAAC on 30/04/2014

1.10 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**

1.11 Type of Faculty/Programme

Arts **Science** **Commerce** **Law** **PEI (Phys Edu)**

TEI (Edu) **Engineering** **Health Science** **Management**

Others (Specify)

1.12 Name of the Affiliating University (for the Colleges)

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence **UGC-CPE**

DST Star Scheme	----	UGC-CE	----
UGC-Special Assistance Programme	----	DST-FIST	----
UGC-Innovative PG Programmes	----	Any other (<i>Specify</i>)	----
UGC-COP Programmes	----		

2. IQAC Composition and Activities:



Composition

Members:

- | | |
|--|--------------|
| • Dean of the College (Mrs.) Kamala A. | Chairperson |
| • Ms. (Dr.) Juliet Miranda | Co-ordinator |
| • Ms. Maleka Bootwala | Member |
| • Ms. Zainab Valikarimwala | Member |
| • Ms. Afroz Shattari | Member |
| • Ms. Aqueela Sattar | Member |
| • Ms. Parveen Shaikh | Member |
| • Ms. Vinetta Rodrigues | Member |
| • Ms. Zamanat Syed | Member |
| • Ms. Sanchita Datta | Member |

Activities

- Constitution of Academic Improvement Committee and Students and Staff Welfare Committee
- Introduction of online system for administration and analysis of Teachers Assessment Questionnaire (TAQs) to students
- Exit Questionnaire also administered online for the first time
- Pilot project on obtaining and evaluating Students' Satisfaction Index was undertaken.
- Three unit course in Psychology introduced at Third Year level under Bachelor of Arts programme

- An add-on course in Arabic language was introduced to cater to students and local minority community. 44 individuals registered for the course and 34 of them successfully completed the course.
- Workshops organized for professional enhancement of faculty
 1. E-learning Resources
 2. Mentoring for Students Progression
- Towards enhancement of research
 - ✓ Grant received for one UGC minor research project
 - ✓ Grants received for 5 minor research projects from University of Mumbai
- One day National Conference on “Vision 2050: Balancing Developmental Needs with Ecological issues” organized by the faculties of Arts and Commerce on 20th Dec. 2016.
- Computerization of entire process of internal assessment for B.Sc. programme in Computer Science
- Coaching for UPSC and other competitive examination under IAS ROYALE
- Establishment of Entrepreneurship Cell to facilitate self employment for students
- Proposals for Green audit and facility audit initiatives finalized
- MoU signed with Bhakti Vedanta Hospital and Child Health Foundation for conducting extension activity
- A green patch measuring 20“X 15“ sq. ft adopted near the local railway station towards brand dissemination

Part B

Criterion – I

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	Nil	Nil	Nil	Nil
PG	01	Nil	01	Nil
UG	12	01	04	00
PG Diploma	Nil	Nil	Nil	Nil
Advanced Diploma	Nil	Nil	Nil	Nil
Diploma	Nil	Nil	Nil	Nil
Certificate	11	Nil	11	03
Others	02	Nil	Nil	02
Interdisciplinary	03	-	03	03
Innovative	-	-	-	-
Total	29	01	19	08

1.2 (i) Flexibility of the Curriculum: Elective option – as designed by the University (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	six semesters in UG programmes four semesters in PG programme
Trimester	Nil
Annual	Nil

1.3 Feedback from stakeholders* (On all aspects)

Alumni	Yes	[Annexure I : Analysis of feedback from alumni]
Parents	Yes	[Annexure II: Analysis of feedback from parents]
Employers	Yes.	The PBAS proforma of teachers is scrutinized by an internal committee.
Students	Yes	[Annexure IIIa: Analysis of feedback from students IIIb: Students' Satisfaction Index]

Mode of feedback : Online Manual

Co-operating schools (for PEI)

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

Yes. The Syllabus is restructured by the University every five years to include current trends and needs of the students to face the competitive Society. The inputs and suggestions given by the members of syllabus committee of the University that includes Subject Experts are taken into consideration for reviewing the existing programmes. Faculty members of the college contribute to curriculum designing by participating in online / panel discussions and workshops held prior to finalization of new curriculum.

Two of our faculties are members of University Syllabus Committee.

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

In Bachelors of Arts programme a course in Psychology with three units was introduced.

Criterion – II: Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total no. of permanent faculty	Total	Principal	Asst. Professors	Associate Professors	Professors	Others (Library)
Aided	32	1	20	10	Nil	1

2.2 No. of permanent faculty with Ph.D.: 9

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

	R	V
Aided	02	02
Unaided	08	00

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

	Aided	Unaided
Guest faculty	0	0
Visiting faculty	0	0
Temporary faculty	0	16

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level	Regional level
Attended Seminars/ Workshops	4	10	-	5
Presented papers	8	15	-	2
Resource Persons	Nil	Nil	Nil	1

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

The following innovative methods of teaching and learning have been implemented by various departments in addition to lecture method and Power Point Presentations.

Departments/ Subjects	Innovative methods of teaching
Humanities	<ul style="list-style-type: none"> • Play based on work of Munshi Premchand (Hindi) • Film Review of Marathi movie „Sairat“(Hindi) • Film Appreciation (Psychology) • Audio-visual presentation • Group discussion • interactive sessions • Case study • Psychological games • Guest lecture • Field visits • Simulation • Role play
Commerce	<ul style="list-style-type: none"> • Flipped classroom • Collective learning • Profile writing • Scrap book • Film making • Film appreciation • Skits
BMS & BAF	<ul style="list-style-type: none"> • Primary data collection by visiting financial organizations • Display of important economic indices by students on daily basis • Reading the Annual Report of companies • Audio-visual presentation • Guest lectures • Visits • Mock Stock Exchange • Memory Keys • Reading of news headlines • Debate • Case study • Forecasting economic policies to be announced by RBI • Mock Court • Application of PR theories into practice by way of promotional activities • Live Video, Movies
Physics	<ul style="list-style-type: none"> • Animation video, case study •

Microbiology	<ul style="list-style-type: none"> • Started Google groups for all classes to share academic and career related information, • Perform and learn approach introduced at FY level (Students isolated, studied and preserved extremophiles from salt pans) • Cultivation of plants by hydroponic • Group discussion, • Discussion on approaches to solve problems in microbiology • Industrial visits • Guest lectures • Internet (Bioinformatics)
Comp. Sc.	<ul style="list-style-type: none"> • Online Code session • Code view • Portable Documents (pdfs) • Guest lectures • Educational movies • Discussion
Zoology	<ul style="list-style-type: none"> • The department organized „Nutrition Day.“ Awareness programmes conducted by the students, helped them understand and appreciate various aspects of Nutrition Science. • Biodiversity and blood group Surveys by students
Botany	<ul style="list-style-type: none"> • Nature walk to teach taxonomy and horticulture • Bio-bulletin • Reading news clippings in class
Maths.	<ul style="list-style-type: none"> • Survey and data presentation (Understanding biostatistics) • Video • Assignments • Debate
Chemistry	<ul style="list-style-type: none"> • Flipped Lecture • Concept map • Worksheets • Use of IR Tutor and MCH multimedia CDs

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

Faculty	No. of actual teaching days
Art & Commerce	177*
Science	171*

* Extra teaching sessions engaged to compensate for teaching days lost due to examination days as per the university schedule

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

- Question papers set strictly in accordance with the University norms
- Centralized Assessment Program followed
- CCTV camera , paper shredder and photocopier installed in the Result/duplication room
- Separate room with three computer terminals for teachers for setting question papers
- Computerization of entire process of internal assessment for B.Sc. programme in Computer Science from this academic year
- In addition to formal process of evaluation prescribed by the University and BOS in respective subjects, faculty members are encouraged to regularly evaluate the learners with respect to knowledge and skills gained. The following methods of evaluation were adopted by some of the departments.

Subject /Dept	Methods	Objective
Humanities	Film review	To assess ability to comprehend and present
Commerce	Mock interviews	To informally evaluate knowledge and soft skills gained by students
BMS & BAF	Written assignment	Self learning
Chemistry	Tutorials, Written assignment, Viva, Report writing, Chem Housie, PowerPoint presentation, Book Surfing, Quiz.	Written Presentation Self learning and comprehension Interview skills Comprehension, Familiarity with the Periodic Table, Communication skills & Confidence, Referencing abilities Subject knowledge.
Physics	Quiz	To gauge assimilation of knowledge
Microbiology	Written assignments, open book tests, report writing, oral quiz, Viva, powerpoint presentation drawing structures of biomolecules video quiz, diagrammatic representation, Writing approaches for practical problems in Microbiology	To regularly evaluate the students using a combination of methods suitable for judging various skills and knowledge gained by students To orient the students towards application of practical knowledge gained
Maths	Crossword, Math quiz, Sudoku, Aptitude test, Pictionary	Regular evaluation by non conventional methods

Subject /Dept	Methods	Objective
Computer Science	Video, quiz, PowerPoint presentation, Viva, Written assignment	Self learning and ability to comprehend. Communication skills, confidence. Ability to recollect and present

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

Syllabus committee:

Faculty member	Subject/Class
Prof. Vilasini Gaode	Microbiology (S.Y.B.Sc.- 2017-18)
Prof. Farhaan Makba	Microbiology (T.Y.B.Sc.-2015-17)

Curriculum development workshops attended: 31

2.10 Average percentage of attendance of students: 77%

2.11 Course/Programme wise distribution of pass percentage :

Semester VI							
Title of the Programme	Total no. of students appeared	Grade					
		O %	A %	B %	C %	D %	Pass %
B.A.	73	2.74	31.51	31.51	13.70	2.74	82.19
B.Com.	108	7.41	40.74	32.41	13.89	4.63	99.07
B.Sc.	90	21.11	41.11	31.11	6.67	0.00	100.00
B.M.S.	57	0.00	21.05	52.63	15.79	3.51	92.98
B.A.F.	53	3.77	75.47	16.98	3.77	0.00	100.00

Semester V							
Title of the Programme	Total no. of students appeared	Grade					
		O %	A %	B %	C %	D %	Pass %
B.A.	73	12.33	32.88	35.62	8.22	2.74	91.78
B.Com.	108	25.93	45.37	17.59	8.33	1.83	99.07
B.Sc.	90	21.11	52.22	16.67	7.78	0.00	98.89
B.M.S.	57	1.75	70.18	14.04	5.26	1.75	92.98
B.A.F.	53	22.64	60.38	9.43	1.89	0.00	94.34

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

- An **add-on course in Arabic language** was introduced to cater students and local minority. 44 individuals registered for the course and 34 of them successfully completed the course.
- One day **National Conference** on “Vision 2050: Balancing Developmental Needs with Ecological issues” was organized by the faculties of Arts and Commerce on 20th December, 2016.
- **Motivational Talks** were continued for all First Year students
- **The Academic Improvement Committee constituted in this academic year** organized the following :
 - 1) One day workshop on E-learning Resources (25th October“16) Resource Persons:
Dr. Santosh Hullgabal (Librarian N.K. College)
Dr. Mandar Bhanushe (Asst. Prof. IDOL University of Mumbai)
 - 2) One day Workshop on Mentoring for Students Progression (22nd April “17) Resource Persons:
Dr. Geeta Shetty (Xavier’s Institute of Education)
Prof. Cynthia D’Costa (Pushpanjali Institute of Education)
 - 3) Student’s Satisfaction Survey and Student’s Satisfaction index: A pilot project was conducted with outgoing commerce and science students to assess the effectiveness of value addition in academics, extra and co curricular activities,

Annexure IIIa: Analysis of feedback from students

IIIb: Students’ Satisfaction Index

- Departments were encouraged to continue with certificate / add-on courses for students to enhance professional skills

Department	Add-on/ certificate course	Duration	Participants
Commerce	Basic accountancy ^{**} for Science & Arts students	40 hours	SYBSc
Mathematics	Operation Research	10	FYBCom
Physics	Use of Origin 6 software Resource person: Dr. Vinod Panchal	9 hours	10
Chemistry	English speaking	20 hours	11 (FYBSc)
Commerce	Fundamentals in Book-keeping and Accountancy	30 hours	30 SYBA
Psychology	Palliative Care – A Psychological Approach Resource persons : Dr. Vinita Sharma, Mr. Prashob K (Bhakti Vedanta Hospital)	15-hour	FYBA & SYBA
Computer Science	Advance computing	14 hours	13
Sociology	Disaster Management	6 days	118
Management Studies	Digital Marketing	15 hours	67

- Emphasis was laid on introduction and continuation of bridge courses, ALP and remedial teaching.

Bridge Courses Conducted

Bridge course in Physics & Chemistry Practical to help F.Y.B.Sc. students coming from outside the State of Maharashtra

Bridge course in Mathematical and Statistical Techniques conducted for F.Y.B.Com. students who did not opt for Maths in Jr. college

Bridge course in Business Statistics and Business Mathematics for FYBMS students not having Maths in Jr. college

ALP (Advanced learning programme)

- TYBSc (Physics) students were helped to solve question papers of IIT entrance exam & JAM
- Students from all departments were motivated to undertake research based projects and present the outcome during Annual Research Meet. There were total **25 oral paper presentations and 15 poster presentations** made during the meet. Out of these

forty projects, **four projects reached the Zonal level** round of **Aaviskhar 2016-17** (University Research Project Competition).

- HOTS (Higher Order Thinking Skills) Questions by Chemistry Dept. were regularly attempted and solved by students.
- Remedial teaching for Slow Learners continued by all departments
- Tutorials conducted by Chemistry and Mathematics Departments
- Class tests conducted for all students including slow learners

Monitoring and evaluation of Teaching Learning Process:

The newly constituted Academic Improvement Committee introduced computerized system for administrating Teachers Assessment Questionnaire (TAQs) to students. TAQ analysis reports which were automatically generated were emailed to all the teachers.

- Computerized system was also introduced for obtaining response to Exit Questionnaire from Third Year students.
- Monthly teaching plan is prepared and followed by every teacher. The planner is monitored by the teacher herself, Head of the respective department and the Vice Principle to ensure effective compliance. The planner not only has details of topics to be covered but also teaching methods used by the teacher.
- Lectures of newly recruited teaching staff are observed and evaluated by Head of the Departments. A report of the same is submitted to the Principal and the staff is advised subsequently.
- Feedback were taken for all add-on/certificate courses

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	2
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	1
Faculty exchange programme	-
Staff training conducted by the university	2
Staff training conducted by other institutions	01
Summer / Winter schools, Workshops, etc.	14
Others: NSS Training	01

2.14 Details of Administrative and Technical staff

TechnicalAdminisCatrativeegoryStaff Staff	Number2634 of	NumberNil2 of	NumberNil3 of	Number162 of
	Permanent	Vacant	permanent	positions
	Employees	Positions	positions filled	filled
			during the Year	temporarily

Criterion – III Research, Consultancy and Extension

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

The following initiatives have been undertaken by the Research committee, set up as per the IQAC suggestion.

[\[Annexure IV: Initiatives by IQAC for Research\]](#)

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	2	5	-
Outlay in Rs. Lakhs	-	6,15,000/-	1,40,000/-	-

[\[Annexure V: Details of Ongoing Research Project\]](#)

3.4 Details on research publications :

	International	National	Others
Peer Review Journals	-	1	-
Non-Peer Review Journals	-	4	-
e-Journals	-	-	-
Conference proceedings	26	-	-

[\[Annexure VI: Details of Research Publications\]](#)

3.5 Details of 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 organizations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	2	UGC	6,15,000/-	
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	1	University of Mumbai	1,40,000/-	1,12,000/-
Students research projects (other than compulsory by the University)	3 months	Existing departmental facilities and resources	-	-
Any other(Specify)	-	-	-	-
Total	-	-	7,55,000/-	1,12,000/-

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

ii) Without ISBN No.

[\[Annexure VII: Details of Books Published\]](#)

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 institutions

Level	International	National	State	University	College
Number	-	1	--	-	-
Sponsoring agencies	-	UGC	-	-	-

[Annexure VIII: Conference Organized]3.12 No. of faculty served as experts, chairpersons or resource persons: **[Annexure IX: Details Of Faculty Served As Experts, Chairpersons Or Resource Person]**3.13 No. of collaborations International National Any other **[Annexure X: Research Collaboration]**3.14 No. of linkages created during this year **3.15 Total budget for research for current year in lakhs :**

From Funding agency ` 6,15,000/- From Management of College /University/ ` 2,05,000/-

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

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialized	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	Dist	College
-	-	1	-	Mumbai	-	-

[Dr. Chitralakha Amin was awarded the best research paper presentation at National Symposium on Frontiers in Applied and Biological Sciences organized by Research Center of Microbiology department of CHM College. The title of the research paper was Physico-Chemical

Characterization and Heavy Metal content of Ayurvedic Bhasmas.]

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

and students registered under them

[Dr. Jyotsna Haran, Department of Economics is a recognized PhD guide of Jodhpur University and Pacific University, Udaipur]

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

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

(Utkarsh camp-Zonal level)

3.22 No. of students participated in NCC events:

University level State level
National level International level

[\[Annexure XI: NCC and NSS Activities\]](#)

3.23 No. of Awards won in NSS:

University level State level
National level International level

3.24 No. of Awards won in NCC:

University level
National level International level

3.25 No. of Extension activities organized

University forum		College forum			
NCC	36	NSS	8	Any other	2

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

All departments conduct activities to promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students.

[\[Annexure XII: Extension activities\]](#)

Criterion – IV Infrastructure and Learning Resources**4.1 Details of increase in infrastructure facilities:**

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	10186 Sq. mtr	-	-	10186 Sq. mtr
Class rooms	23	-	-	23
Laboratories	11	-	-	11
Seminar Halls	2	-	-	2
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	1 (Not working)	1	College mgmt	1 (working)
Value of the equipment purchased during the year (Rs. in Lakhs)	-	` 466123/-	-	` 466123/-
Others	16	2	College mgmt	18

4.2 Computerization of administration and library

- Purchased receipt printer for library
- Purchased two computers for computer science lab and two for classroom
- AMC renewed for SLIM21 library software, Result software & Biometric
- Renewal of web hosting contract for college website

4.3 Library services:

Particulars	Existing (15-16)		Newly Added (16-17)		Total	
	No.	Value	No.	Value	No.	Value
Textbook (Senior)	4180	₹ 2,32,140.30/-	388	₹ 39,455/-	4568	₹2,71,595.3/-
Reference Book (Senior)	10850	₹ 26,21,551/-	209	₹ 93,397/-	11059	₹27,14,948/-
E-Books	-	-	-	-	-	-
Journals	63	₹ 78,913/-	1*	₹ 71,155/-	60	₹71,155/-
CD"s and Video	761	-	09	-	406	-
Other (specify)	Inflibnet	₹ 5000/-	Renewed	₹ 5000/-	Inflib	Yearly ₹ 5000/-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing (2015-16)	35 Thin client+ 101pc + 2browsing pc + 2 server	108 lab (4pcs+25 thin client) 109 lab - (34 pcs)	7	2	-	15 nodes + 1 server	12	34pc+ 10 Thin client + 1 server
Added (2016-17)	4 pcs added & Weeded out -1 pc	109 lab -(2pcs)	-	-	-	-	-	2pcs in classroom 311 & 208
Total	35 Thin client+ 104pc + 2browsing pc + 2 server	108 lab (4pcs+25 thin client) 109 (34 pcs) Research centre -1pc	7	2	-	15 nodes + 1 server	12	37pc+ 10 Thin client + 1 server

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

- One day workshop on „E-learning Resources“ was organized for teachers in Computer Science laboratory on 25th October 2016. The recourse person for the workshop were Dr. Santosh H. (Librarian N.K. College) & Dr. Mandar Bhanushe (Asst. Prof. IDOL University of Mumbai)
- Library staff conducted orientation programme for newly admitted students to explain the modules of SLIM 21. Also power point presentation on use of SLIM 21 is shown to students.
- Computer Science department conducted **Advanced Add-on course in Computer Science** for SYBSc. students
- Faculty from Department of chemistry conducted 3 hours session in Computer Sc. Laboratory for TY chemistry students on use of chemdraw software.
- Department of physics has conducted Add-On course on graph plotting, data analysis and simulations using Origin 6.0 software for FYBSc students.

4.6 Amount spent on maintenance in lakhs :

i) ICT	₹ 16,34,127/-
ii) Campus Infrastructure and facilities	₹ 23,51,746/-
iii) Equipments	₹ 4,66,123/-
iv) Others	₹ 28,90,665/-
Total :	₹ 73,42,661/-

Criterion –V Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about student Support services

Information dissemination system follows top down approach from IQAC chairperson via HODs to the staff and students.

Major dissemination mechanisms include involvement of guardian teachers and mentors, notice board display, poster display, prospectus.

Annual orientation programme is held for FY students to introduce them to student Support services and other programmes. In addition Motivational Talks on Leadership Qualities is organized for all First Year students.

[Annexure XIII: Motivational Talks on Leadership Qualities]

Specific activities introduced last year

- Advanced Add-on course (Computer skills)
- Basketball coaching and Intercollegiate Basketball Tournament
- Coaching for UPSC exams (IAS ROYALE)
- Series of seminars held on issues such as **Rescue to Restore Dignity ,Womanhood Health & Hygiene, Building Healthy Body Image, Building Healthy Relationships** for physical, emotional and mental wellbeing of the students
- Talk on Alzheimer's and Dementia

5.2 Efforts made by the institute for tracking progression

- Each department, Club/Society submits Activity reports annually. These are used for tracking progression of the department and therefore the students' development indirectly.
- Feedback from parents of first and second year students is taken, analysed and a report is given to the Management
- Guardian teachers and mentors play a major role in supporting and monitoring the progression
- Result analysis by all departments helps in designing remedial programme
- Alumni meet and social networking sites help tracking progression of past students

5.3 a) Total Numbers of students

UG- 1394, PG – 75, PhD – Nil, Others – Nil

b) No. of students outside state: - 27

c) No. of International students: - Nil

WOMEN

No.	Percentage
1151	78

MEN

No.	Percentage
318	22

(2015-16)						2016-17						
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	NT	Physically Challenged	Total
1332	9	0	35	1	1377	1427	07	00	30	1	4	1469

Table of Demand Ratio 2015-16

Serial Number	Class	Demand Ratio
1	FYBA	2:1
2	FYBCOM	2:1
3	FYBSc (Gen)	3:1
	FYBSc (CSc.)	2:1
4	FYBMS	5:1
5	FYBAF	4:1

Dropout rate : Less than 1%

5.4 Details of student support mechanism for coaching for competitive examinations

Competitive exam training -IAS Royale introduced . 9 F.Y. and S.Y. students enrolled. Classes held for 2 hours /week. Course Fee: 18000/- per year per student.

5.5 No of students qualified in these examinations:

NET- - GATE - UPS - SET/SLET **1 student of M.Com**
 CAT IAS/IPS - MPSC GATE - Others

5.6 Details of student counseling & career guidance

Student counseling

An on- campus counselor is available on Mondays and Thursdays for personal counseling of students and parents.

Career guidance

- Departments maintain files containing data related to details of various career options available
- Career guidance talks are regularly organized.

[Annexure XIII: Career Guidance Initiatives]

5.7 Details of Campus placement

Number of Organizations Visited	On Campus Number of Students Participated	Number of Students placed	Off Campus Number of students Placed
Infosys Placement drive at Thakur College	11 (Comp. Sc.)	5	-
Capgemini Campus Drive at Thakur College	08 (Comp. Sc.)	3	-
L&T Placement drive at New Viva College	09 (Comp. Sc.)	2	-
ICICI Prudential Placement Drive at Royal College	All students of TYBCOM/BAF/BMS/BSc	20	-
TCS – BPS Campus Drive	79	07	-
ITM EduTech	80	36	-

5.8 (A) Details of gender sensitization programmes

The college has an active Women's development cell which conducts various activities, a summary of which is as follows.

Sr. No.	Date	Activity
1.	10 Sundays from 07.08.2016	Taekwondo training for self defence: 10 sessions each of 1½ hour's - conducted for 50 girl students in 3 batches. Course conducted by Mr. Tarun Solanki, Chief Instructor, Speed Taekwondo Academy under the aegis of Thane District Taekwondo Association.
2.	29.07.2016	Poster competition on Gender Inequality
3.	26.08.2016	Ms Entrepreneur- competition
4.	27.08.2016	Skit Competition on „Beti padhao, beti badhao“
5.	14.01.2017	Talk on „Women and Law“
6.	17.01.2017	„Should Mothers work?“ Debate competition
7.	11.02.2017	„Women Motivators“ PPT

5.8 (B) Gender Sensitisation programs by other departments

Sr. No.	Date & Time	Activity
1.	22.09.2016	Pink -Film Show
2.	27.01.2017	Rescue to restore Dignity -Talk on women and children trafficking
3.	31.01.2017	Reproductive Health -Talk
4.	07.02.2017	Womanhood, Health and Hygiene-Talk
5.	09.02.2017	Men's Reproductive Health- Talk
6.	10.02.2017	Building Healthy Relations with opposite Gender-Talk

5.9 Student Activities**5.9.1 No. of students participated in sports, Games & other events**State/University Level International level National Level **Zonal level competitions**

Game	University	Inter-University
Chess	6 players won 12 th position at Zone II (Mumbai University)	-
Badminton	5 boys (3 rd Round) and 4 girls in team event (2 nd Round)	-
Volley ball	Boys team reached semi finals	-
Yoga	6 girls –secured 8 th position	-
Basketball	12 boys (team) lost in 3 rd round	-
Carron	02 boys lost at pre-quarterfinals	-
Cross Country	5 boys participated –secured 12 th position	-

Free Yoga sessions conducted by the college for students. 357 students completed 7hrs Training Programme

5.9.2 No. of medals/Awards WonState/University Level

International level

Nil

National Level

Nil

International level

The College instituted an Award for Outstanding Achievement in Athletics and Sports from the year 2016-17. Two students were given the award in 2016-17 which consists of certificate and cash prize of Rupees 1000/- each

5.10 Scholarship and financial support

Particulars	No. of Students	Amount in `
1. Financial Support from the Institute		
College Fees	21	` 92,721.00
Awards	41	` 54,900.00
Total	62	` 1,47,621.00
2. Financial Support from the Government		
a. For needy students	05	` 5000.00
b. Post-matric scholarships for Minority students	02	` 14000.00
Total	03	` 19,000.00
3. Financial Support from other sources	25	` 1,81,168.00

**B. No. of Students from other states
Studying in this Institute**

17

C. No. of International Students

NIL

5.11 Student organized/initiatives

Gyan Manthan- an intra and intercollegiate academic festival.

A student Committee (8 members representing diverse faculties) schedules, plans and organizes the event

[Annexure XIV: Gyan Manthan Report 2016]

5.12 No. of social initiatives undertaken by students –

Students from all faculties participated in diverse social initiatives.

[Annexure XII: Extension activities]

5.13 Major grievances of students redressed

- No major grievances
- Minor grievances such as infrastructure needs like fan not working, etc are redressed immediately.

Criterion – VI: Governance and Leadership

6.1: Institutional Vision and Mission

VISION

To be recognized as a **Minority educational institution** par excellence **having secular** outlook, imparting **value based education** to the youth, to mould them into **disciplined, conscientious citizens** of the society who would contribute to the social, economical and cultural growth of the society.

MISSION

- To provide **holistic academic programmes** and an **inspiring learning** environment.
- To contribute to **personal, professional and social growth** of students, belonging to minority community thereby enhancing the economic growth of the minority community **with special emphasis on girls’ education.**
- **To extend its facilities to others communities.**

GOALS OF THE INSTITUTION

- To **inculcate perfect discipline** among students.
- To inculcate **scientific temper** and inquiry in students.
- To help them recognize and **hone their potentials.**
- To provide ample co-curricular and extra-curricular activities.
- To increase student awareness and participation in learning and support services.
- To **sensitize** students to **social and ecological** issues.
- To contribute to **personality development** of students.
- To empower them to face challenges of the competitive.

6.2: Management Information System:

- **Customized and standard software programs** are used in administrative office, Accounts, Library, attendance record of students, Examination system, results and feedback.

- The **LMC holds meetings** at least twice a year to take major policy decisions and prepare academic calendar. The decisions of the committee are approved by the Executive Committee / General Body.
- At least once in a year **members of Board of Trustees** visit the College to learn more about the activities and expansion program of the College.
- Each **department maintains a minute book** of the monthly departmental meetings.
- The Principal conducts **review meetings** with concerned staff members after major event like intercollegiate festival, National / State level seminars, etc.
- Attendance committee submits all its reports to the Principal.
- Regular meetings of library committee are attended by the Principal.
- IQAC meets regularly to discuss and suggest innovative healthy practices which are scrutinized in HOD meetings before implementation.
- An efficient feedback mechanism is in place and is monitored by the Principal and the Trustees.
- **Centralized online administration of TAQ and exit feedback introduced from this academic year and analysis report of TAQ emailed to respective teachers**
- Peer Observation and Review mechanism by HODs operates only in case of new teachers..
- Biometric attendance for teachers

6.3 Quality improvement strategies adopted by the Institution

6.3.1: Curriculum Development:

- The institution follows the prescribed curricula of University of Mumbai for its graduation and post graduation program. Nevertheless, the institution makes value additions each year to enrich the curricula.
- Faculty members of the college contribute to curriculum designing by participating in online / panel discussions and workshops held prior to finalization of new curriculum.

- **Syllabus committee:**

Faculty member	Subject/Class
Prof. Vilasini Gaode	Microbiology (S.Y.B.Sc.- 2017-18)
Prof. Farhaan Makba	Microbiology (T.Y.B.Sc.-2015-17)

- Faculty members are encouraged to attend syllabus workshops for facilitating smooth implementation of revised syllabi. Adjustments are made in academic schedules.
- Different course specific implementation strategies are adopted. The following innovative methods of teaching and learning have been implemented by various departments in addition to lecture method and PPT.

For details refer to Criteria: II (2.6)

- Faculty members were involved in the development of curriculum for undergraduate courses for University of Mumbai.
No. of faculty involved: 2
- Curriculum Enhancement through in-house short term / add-on courses designed to upgrade skills of learners. Six such courses were conducted. For details refer to Criteria II (2.12)

6.3.2: Teaching and Learning:

- The Academic Improvement Committee initiates Staff Development programmes.
- 100% full time faculty in aided as well as unaided courses
- The College has a very effective mechanism to ensure transaction of syllabus effectively. The Institution has a tailor-made comprehensive Logbook that includes a monthly unitized teaching plan for entire academic year, mode of teaching, number of lectures engaged per topic, details of other academic activities and record of their achievements and academic development.
- The following workshops were held for enhancement of professional skills of teaching staff.
 - 1) One day workshop on E-learning Resources (25th October“16)
 - 2) One day Workshop on Mentoring for Students Progression (22nd April “17)
- Continued subscription to INFLIBNET.

- Teachers are encouraged to participate in Orientation programs, Refresher and Capacity building courses/seminar/Workshop by granting them Duty leave.
29 Faculty members benefitted. Details Refer to Criteria: II (2.5)
- Networking of computers in the college through LAN
- Structured remedial programme.
 - ✓ Based on their performance in First Semester Examination, Remedial teaching is introduced for all First year degree classes.
 - ✓ Bridge Program for practicals held in the subjects of Physics and Chemistry

6.3.3: Examination and Evaluation:

- Centralized Assessment Process system followed from inception of the college.
- CCTV camera installed in the Centralized Assessment room

6.3.4: Research and Development:

- State, National or International level conferences/workshops/seminars organized regularly. In absence of external funding, management supported financially the one day National Conference on “Vision 2050: Balancing Developmental Needs with Ecological issues” was organized by the faculties of Arts and Commerce.
- Revenue generated through extra curricular courses has been allocated as seed money for research. An amount of Rs. 62,566/- was realized this year.
- The faculty members are encouraged to enroll for Ph.D. programs and apply for University and UGC research projects grants.
- ISBN number obtained for publication of research activities carried by students and teachers of all the departments.

6.3.5: Library, ICT and Physical Infrastructure/Instrumentation:

Library

- Library committee ensures that the recommendations given by the departments are implemented.
- Knowledge museum set up in the library
- Library resources were supplemented with CDs, students’ projects and learning materials prepared by students and faculty.

- An amount of Rs.454238/- was spent on Library Resources.

ICT

- Regular Upgradation, purchase and maintenance of computers and software. An amount of **Rs. 16,34,127/-** was spent.
- Additional 2 class rooms were provided with audio-visual facilities.
- Result software and seating arrangement software maintenance at the cost Rs.40,600/-
- Installation of two Thin Client computers in Result room.
- Procurement of separate net connection in examination room

Physical Infrastructure

- Structural Audit of College building carried out by Govt. approved Engineers
- Emergency exit built in chemistry laboratory
- An amount of **Rs. 23,51,746/-** spent on maintenance of the building.
- New cooler purchased (ground floor) for students at cost of Rs. 60,000/-

Health centre:

- The college does not have an on campus health care centre but to meet medical emergency for students and staff, the college has a tie up with neighbouring Bhakti Vedanta Hospital.
- First aid facility is available in all laboratories, wheel chair and vehicle for speedy movement is also available on the campus

Instrumentation

- Value of the equipment purchased during the year **Rs. 4,66,123/-**

6.3.6: Human Resource Management:

- After retirement, the Vice-Principal was appointed as Dean to bolster the administrative machinery.
- Professional Counsellor for staff as well as students made available on a regular basis.
- Yoga teacher available for staff as well as students. Special sessions conducted for neighbourhood residents.
- Presence of in-house computer technician and electrician for trouble shooting.
- Providing various opportunities to the staff to explore their inner potential by job rotation and job enhancement activities.

- Departments are guided to carry out SWOC analysis to facilitate goal setting.

6.3.7 Faculty and staff recruitment

University and Government guidelines are followed for recruitment of faculty.

6.3.8: Industry Interaction/ Collaboration: Major activities done in association with industries and other institutes are as follows:

1. Guest lectures by experts from industries-12
2. Industrial visits.
3. Summer training programme for 17 students in industries / hospitals at five different places.
4. Placement drive: Six companies had come and 36 students were selected.

6.3.9 Admission of Students

- Notices related to admission, payment of Fees, time-table displayed on college website
- Preadmission Counseling Cell
- Online FAQs were answered.
- Financial help as full/ part fees provided to students. Also, students allowed to pay fees in installments on request
- Students were informed of Yuva Raksha policy (Life and accidental insurance policy for students)

6.4 Welfare scheme for Teaching Staff:-

- Health Check up camp was organized. 24 staff members benefitted.
- Advance part payment of salary on first of every month irrespective of delay in receiving salary grant.
- Microwave Oven and refrigerator were installed in the staff common room.

Non Teaching:-

- Health Check up camp was organized. 13
- Payment of salary on 8th of every month irrespective of delay in receiving salary grant.
- Privilege Leave encashment benefit for unaided staff.
- Cash prizes given, as a token of appreciation and encouragement, to SSC/HSC passed children of non- teaching employees.
- Timely Medical aid given to non-teaching staff on emergency basis

- Two buses made available for non-teaching staff picnic.
- Additional peon room made on ground floor
- Security Guard availed of concessional treatment at Bhakti Vedant Hospital due to the good offices of the management.
- T shirts with college name provided to non-teaching staff for Sports Day and other activity days.
- Admission given to wards of non-teaching staff who did not have the requisite cutoff marks
- Flexible duty timings of IT Technician to facilitate him attend professional course

Students:-

- Yearly renewal of student Group Insurance policy
- Health Check up camp (Blood group & CBC profile) 274 students benefitted
- Compulsory Yoga training for second year students
- Services of counselor available on campus, two days a week
- Self- defence training sessions for 50 girl students held on Sundays
- Basket ball / Lawn tennis coaching facility on campus
- Print-out and Headphone facility is available for students in library
- Oration Series Talk on 160th year celebration of University was conducted by Dr. Shubhada Joshi.
- Coaching started for UPSC and other competitive exam preparation in collaboration with Royale IAS Academy.

Common welfare schemes

- Wheel Chair facility available
- Sanitary Napkin Vending Machine available in Ladies Common Room
- Water quality check by Thyrocare
- Biannual cleaning of water storage tanks
- Regular fogging to control mosquitoes
- Arrangement with Bhakti Vedanta Hospital to cater to medical emergencies

6.5 Total corpus fund generated

Total corpus fund of ` 62,556/- generated through Add on Courses

6.6 Whether annual Financial audit has been done

Yes

Accounts audit by: Sameer Valia and Co.

Audit by the office of Joint Director & Senior Auditor office

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

Audit Type

Academic Audit:- Not done

Agency:- N. A.

Administrative:-

External:- No

Agency:- N. A.

Internal:- Yes

- Monthly Audit of all accounts by Registrar
- Verification of Bank Balance done with reconciliation
- Cash balance tally done weekly

6.11 Activities and support from the Alumni Association**Activities**

Annual alumni meet

Support from the Alumni Association

- Mr. Virendra Yadav, (B. Sc. Physics-2007-2008) was one of the resource persons for **Basic Astronomy course**.
- Dr. Chirag B. Shah (B.Sc. Microbiology–1996-1997) conducted the **Complete Blood Check-up Camp** for interested F.Y. students of all faculties and staff.
- Dr. Chirag B. Shah (B.Sc. Microbiology–1996-1997) took four students for **Summer Training** in his clinical laboratory.
- Mr. Sameer Valia (CA) conducted annual Financial audit.

6.13 Development Programmes for support staff:-

Flexible duty schedule to facilitate promotional avenues for class III & IV staff

6.14 Initiatives taken by the Institution to make the campus eco-friendly

- E-waste Bin installed at college campus in collaboration with Eco-Reco

- Separate wet & dry garbage bins installed
- Eco-friendly drives undertaken –Save electricity, Paper recycling and reuse, Save water , E-waste collection
- Rs. 10,000/- saved in water conservation bill through Ring well Water Harvesting system

Miscellaneous outreach programmes of the management:-

- Green patch built up and maintained at Mira Road station
- Colour printer and Lamination machine donated to ZP School at Saphale
- Assistance offered to police and local area people by providing CCTV footage of area outside the college premises.
- 1 year Certificate course in Arabic for neighbourhood people.
- Bus service provided for picnic of Senior Citizen enrolled for Yoga
- Awareness about E-waste recycling through skits conducted on 26th January 2017 in neighbourhood area

Criterion – VII: 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.**

- **Innovations in Teaching, Learning and Evaluation**
Innovative teaching methods adopted were
- Theme based plays and role play and Skits
- Psychological games
- Simulation
- Flipped classroom
- Scrap book
- Film making and Film appreciation
- Primary data collection by visiting financial organizations, reading the Annual Report of companies and Forecasting economic policies to be announced by RBI.
- Mock Stock Exchange
- Mock Court
- Application of PR theories into practice by way of promotional activities
- Started Google groups for all classes to share academic and career related information,
- Experiential Learning
- Nature walk to teach taxonomy and horticulture,
- Concept map
- Worksheets
- Use of softwares such as, Bioedit, Chemdraw, spdbv, IR Tutor, Origin 6

- **Innovations in Research, Consultancy and Extension**

- Initiatives to enhance research culture:

For students

1. An annual research presentation programme was held for the students. - 25 oral and 15 poster presentation, involving 120 students
2. The student research projects of commerce, chemistry and microbiology departments were selected at the Zonal level round of Aaviskhar 2016-17 (University level research project competition).

For teachers

1. Dr. Vinod of Physics Department has Collaboration with BARC and University of Valencia. His area of research is Condensed Matter Physics.
2. The facility of seed money made available to faculty. Dr. Juliet Miranda and Dr. Mustaqeem Mohammed had availed of this facility last academic year. The faculty members completed the project and published papers on the same project.
3. Faculty members had applied for funds for Minor Research Project under the University of Mumbai minor research project scheme. The proposals of five faculty members were sanctioned funds by the University of Mumbai.

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

- Incentive to sport
 1. Management sponsored two entries for Mumbai marathon.
 2. Two cash prizes have been instituted for the best athlete.
- Constitution of the Academic Improvement Committee which conducted the following activities:
 1. Workshop on e learning resources for teaching staff
 2. Teacher Assessment Questionnaire (TAQ) administration and analysis were computerised
 3. Workshop on Mentoring for Students" Progression
- Knowledge museum has been established.
- Coaching for UPSC exams (IAS ROYALE) was started and has been continued.
- Enhanced NSS activities under the following themes
 1. Swachha Bharat Pandharva"
 2. Yuva week celebration.
 3. Tiranga march and Walkathon for social causes.
- New academic programs initiated
 1. TYBA program in Psychology.
 2. Certificate Course on Arabic for students and outsiders.
- Green zone was set up at Mira Road railway station as an initiative towards brand dissemination.

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

Annexure XV: Best Practice I
'Value Based Education'

7.4 Contribution to environmental awareness / protection

Annexure XVI: Best Practice II
'Green warriors for a green environment'

7.5 Whether environmental audit was conducted?

Yes

No

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

Annexure XVII:-
SWOC Analysis

8. Plans of institution for next year

-
- • To initiate institutional Green Audit
- • Green Energy initiative- Solar power.
- • Facility Audit.
- • Motivational talk conducted for the first year students will be followed up when the students are in their second year.
-
- • Seminar on „NAAC reaccreditation Process“ to be organized by IQAC.
- • Workshop titled “Turnaround teachers” by Prof. Mini Narayanan to be conducted.
- • Enhancement in Alumni activities.

Annexure I : Analysis Of Feedback From Alumni

FEEDBACK ANALYSIS FOR ALUMNI MEET 2017

(Meet was organised on 05-02-2017 Sunday at 4:30p.m in School Hall)

A. Summary of appreciations & recommendations provided by the Alumni

- a) Alumni gave credit to the institution for imbibing several core values like discipline, punctuality, perseverance, sincerity, honesty, time management etc in them during their college life. These values helped the students a lot in their personal and professional life
- b) The growth, infrastructure facilities and quality of education provided by the college was highly appreciated.
- c) Alumni were glad to meet their Professors, Principal sir and appreciated the college's progress with regards to use of technology in teaching
- d) They expressed their interest in contributing to such college activities in future.
- e) The alumni committee work was well appreciated by people and wished the committee to continue the same good work in future.
- f) Suggestions were provided to play soft music during the activity and to give the alumni more time to be on the dance floor.
- g) One of the alumnus also recommended collecting feedback from the attendees via Google forms.
- h) Overall the feedback was that the alumni enjoyed the event and were of the opinion that it was well organised, responsibilities were well defined, the idea and layout of event was well executed.

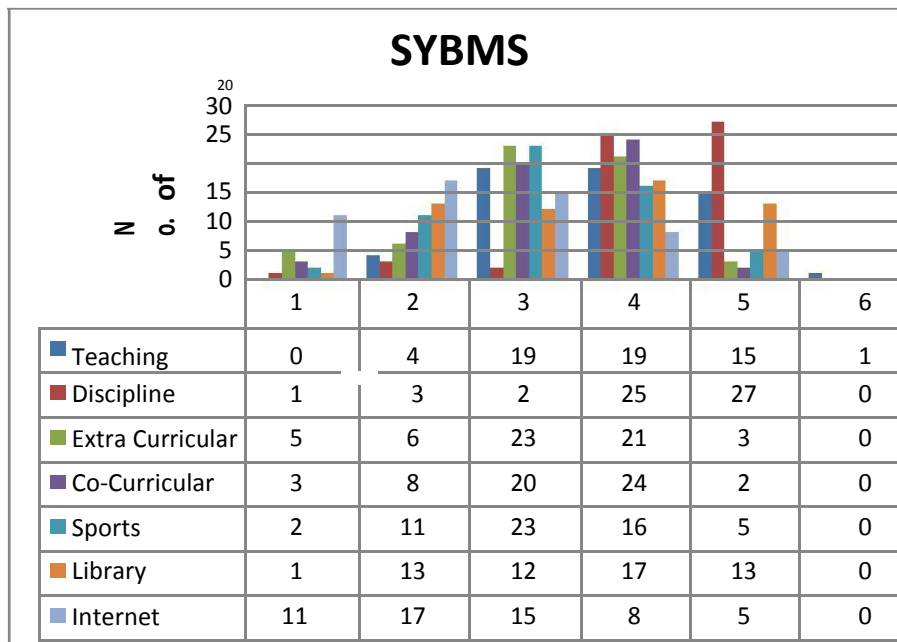
B. SUGGESTIONS FOR IMPROVEMENT:

- a) One of the alumni wished that even HSC students should be allow for alumni meet.
- b) Dinner was good but recommended to be served hot.
- c) More games and interactive activities to be involved.
- d) Venue to be change to cover the large crowd.
- e) Seating arrangement to be changed and suggested circular structure.
- f) While some speak/play all sitting out needs to be at least reminded to pay attention.
- g) Whatever was been spoken ahead couldn't be heard behind far away.
- h) Sound was not clean and suggested to make use of improved advanced technology.

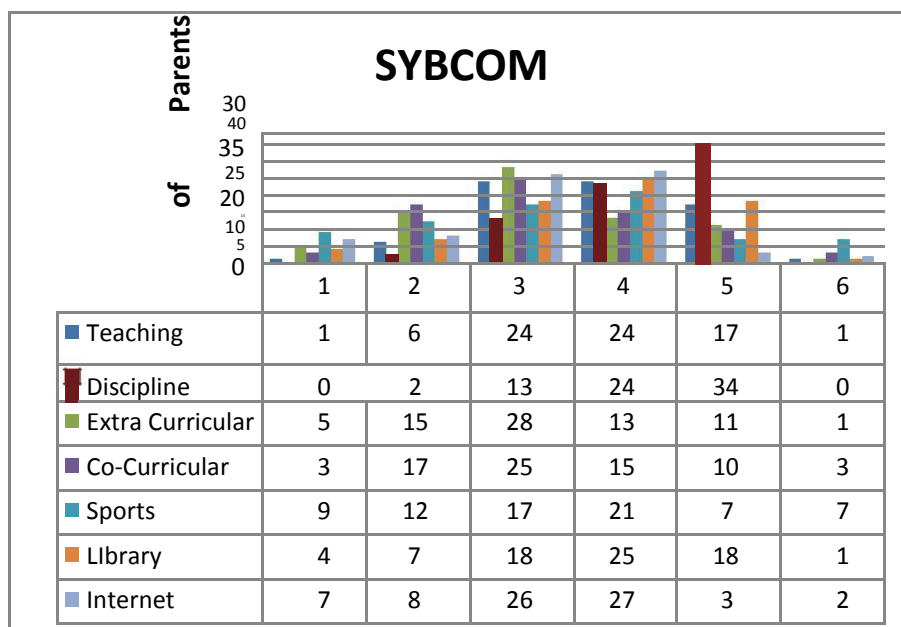
The alumnus was very happy to be part of alumni meet 2017. In all, they enjoyed the event, they were glad to meet their old professors and remembered their old days, and certain suggestions for improvement were suggested. But in all, the event was all success and recommended the alumni committee to continue such events in near future as well, the alumni committee and volunteers work was well appreciated by all. It can be concluded that, alumnus enjoyed event to the core.

Annexure II: Analysis of feedback from parents

Parents response chart 2016-17

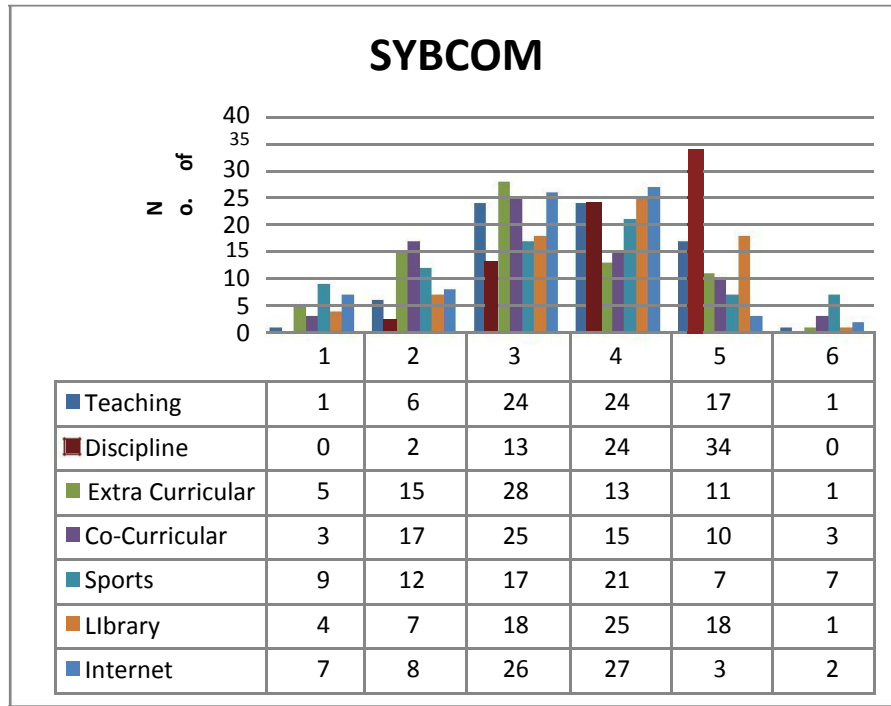


1-Poor, 2-Fair, 3-Good, 4-very good, 5-Excellent, 6-Very excellent

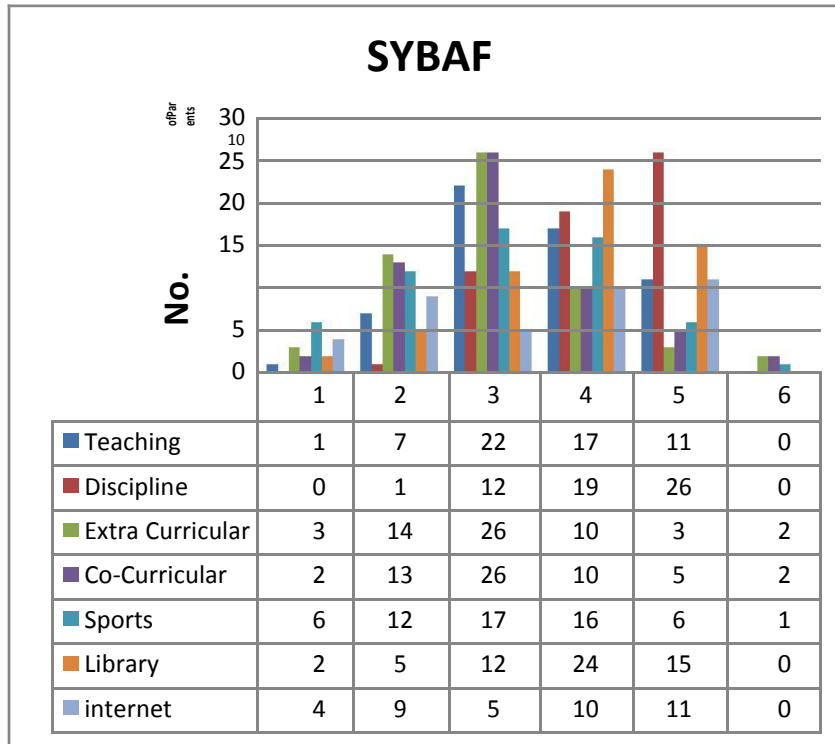


1-Poor, 2-Fair, 3-Good, 4-very good, 5-Excellent, 6-Very excellent

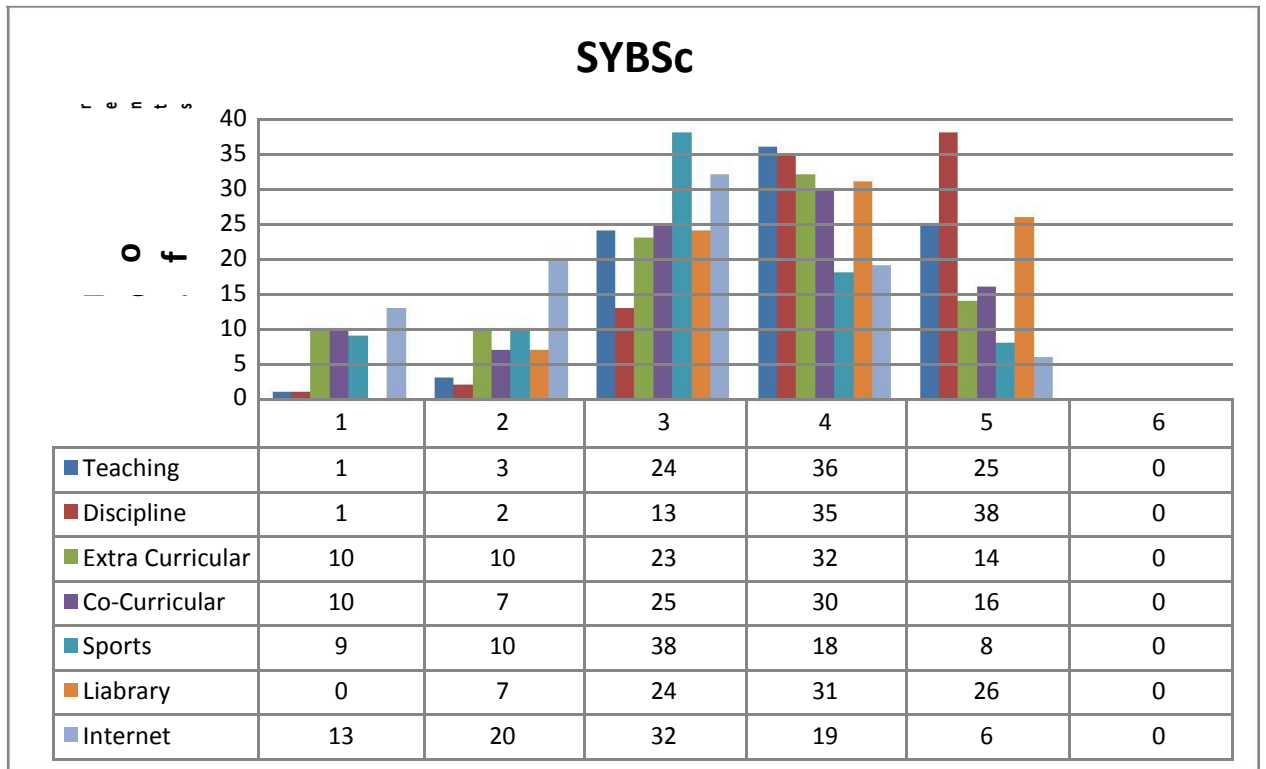
Parents response chart 2016-17



1-Poor, 2-Fair, 3-Good, 4-very good, 5-Excellent, 6-Very excellent



Parents response chart 2016-17



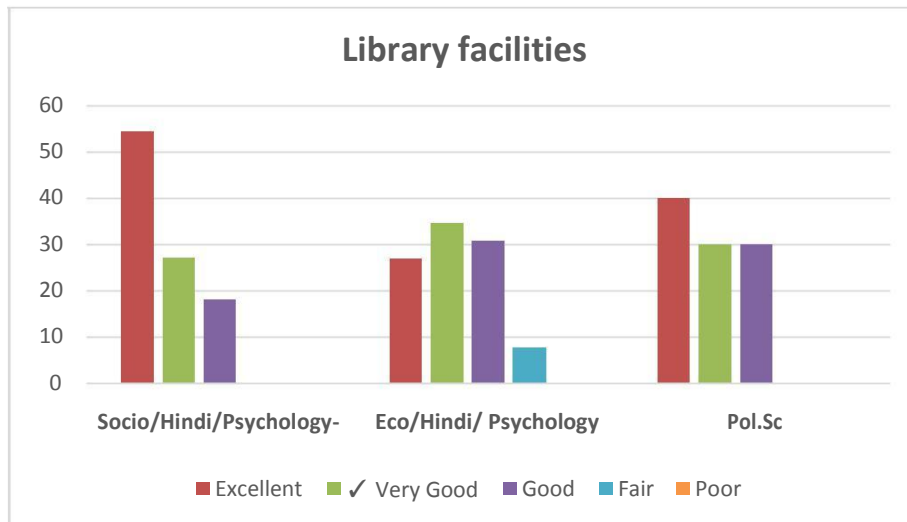
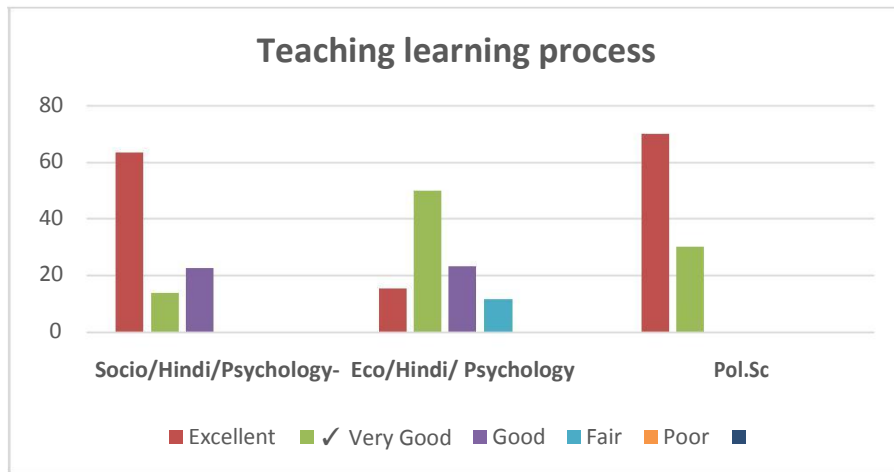
1-Poor, 2-Fair, 3-Good, 4-very good,

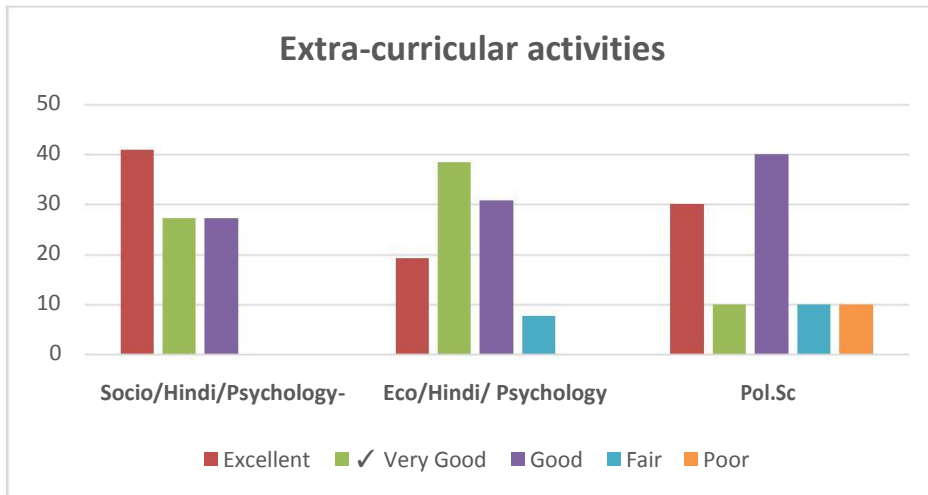
5-Excellent, 6-Very excellent

Annexure IIIa: Analysis of feedback from students

Feedback from students

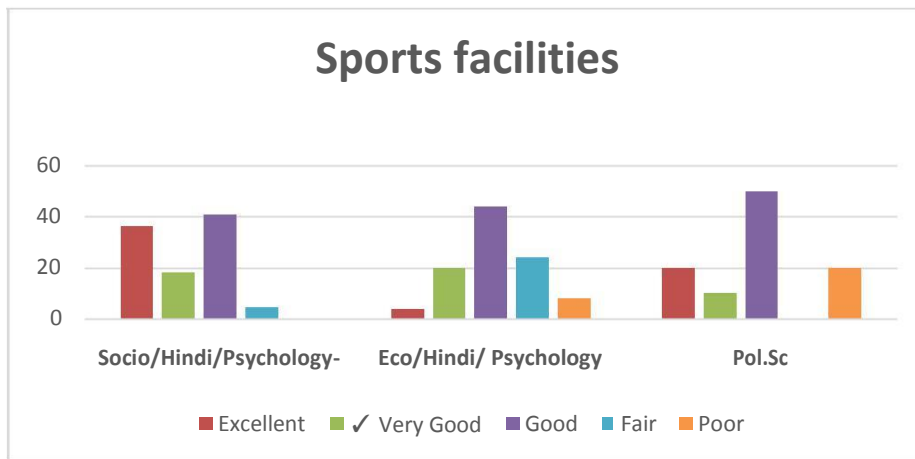
ARTS

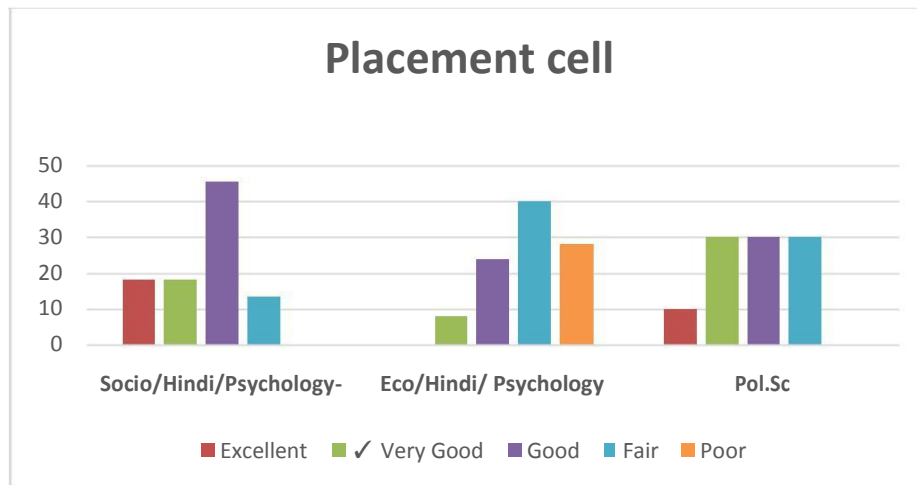
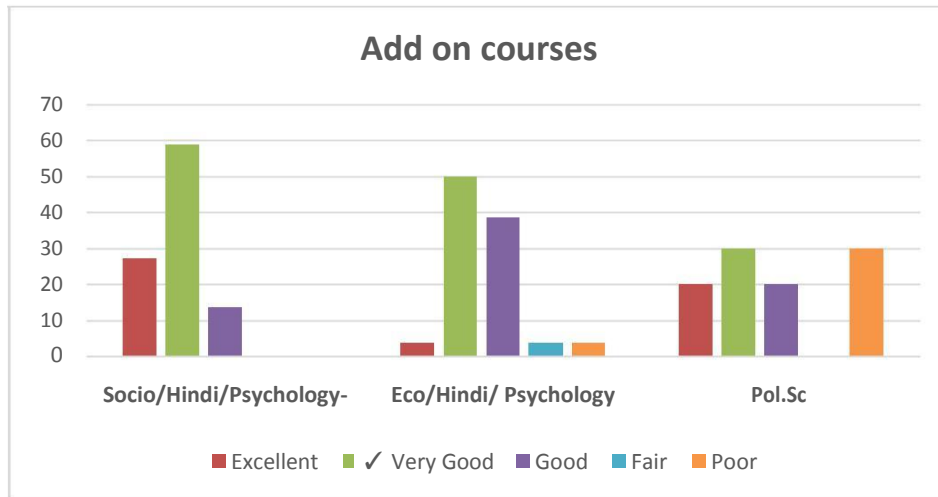




(Percentage of total response shown on Y- axis)

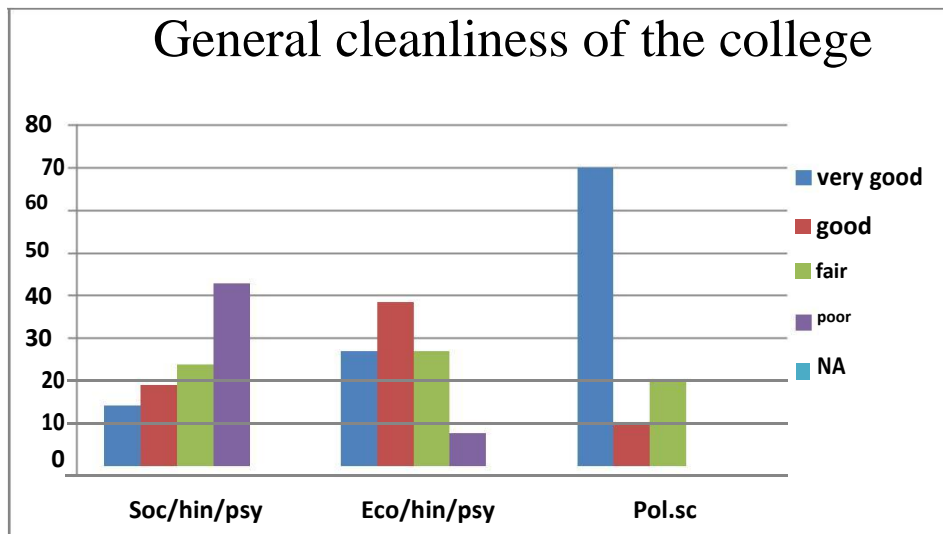
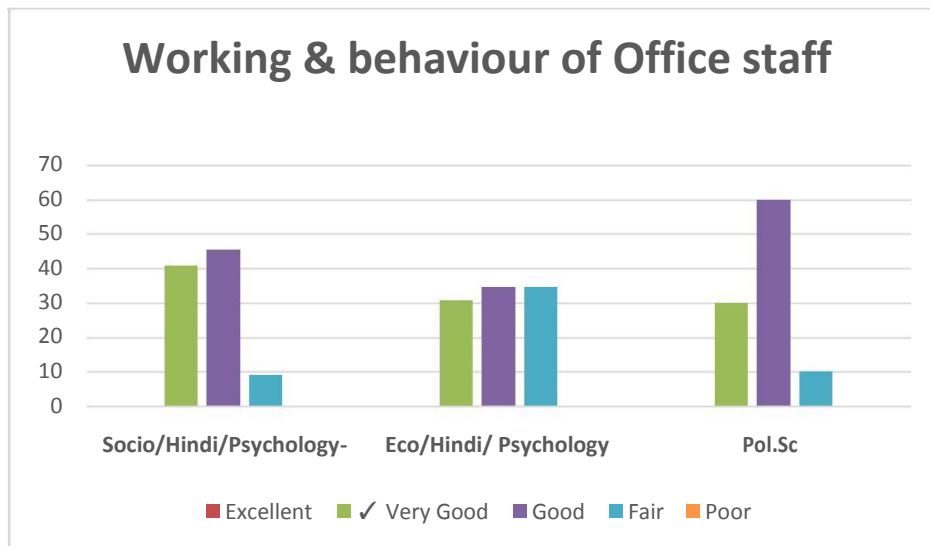
ARTS





(Percentage of total response shown on Y- axis)

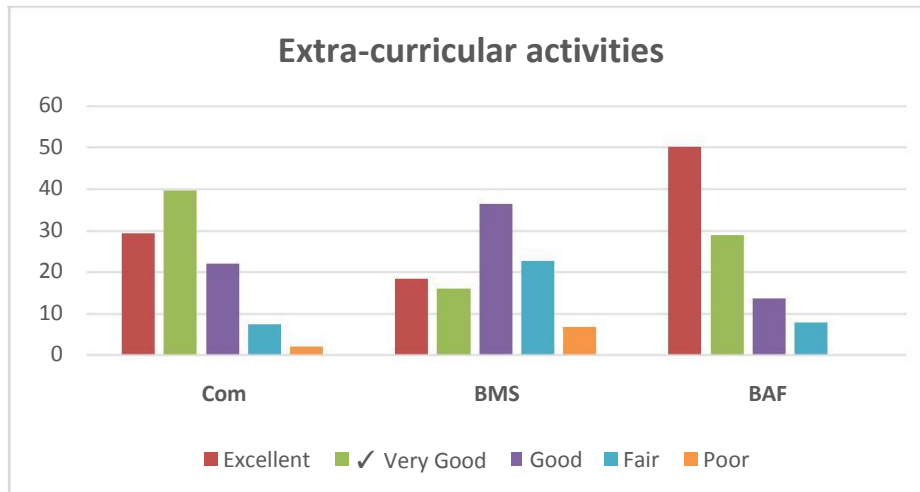
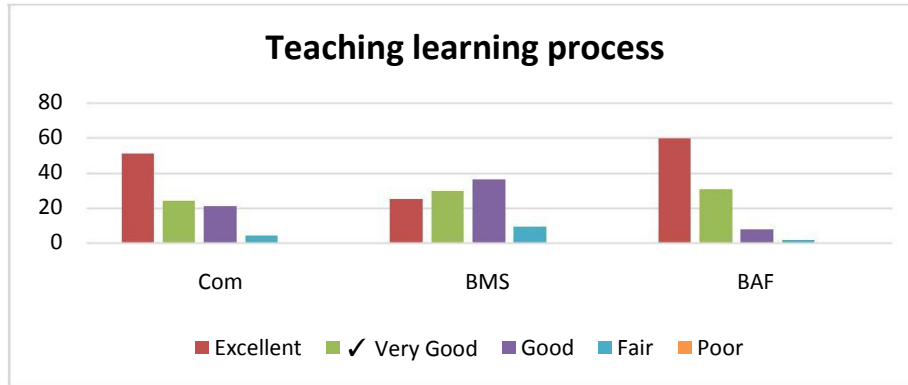
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(Percentage of total response shown on Y- axis)

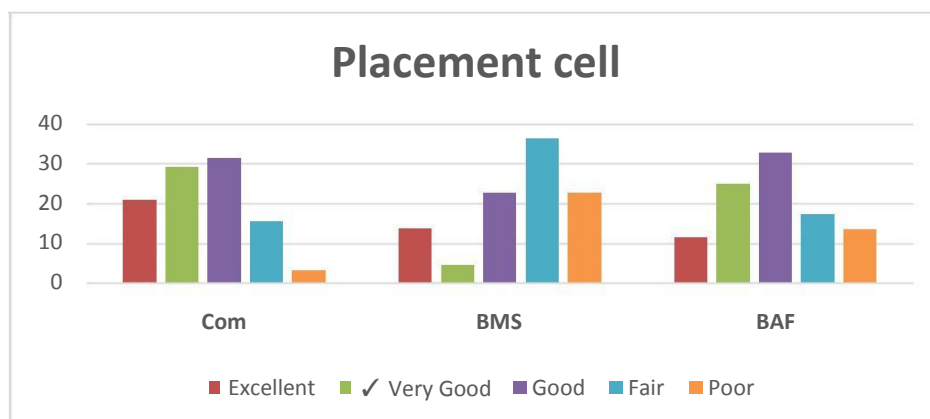
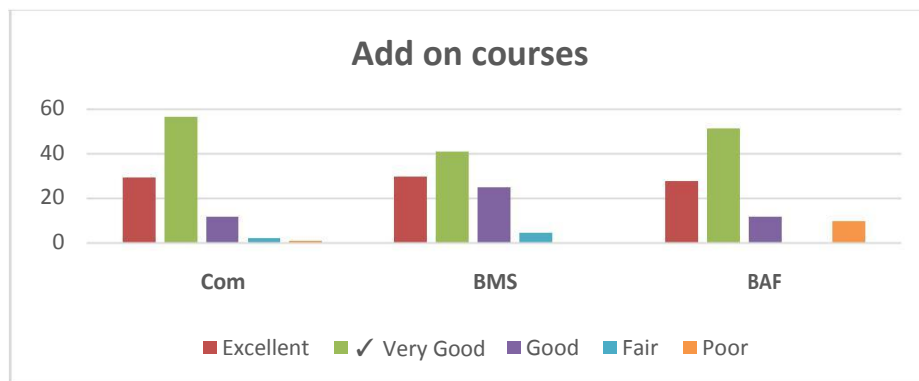
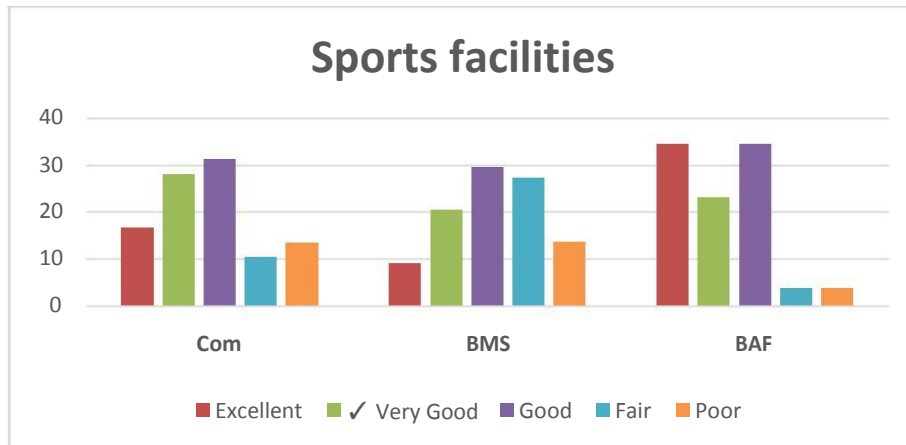
Feedback from students

COMMERCE



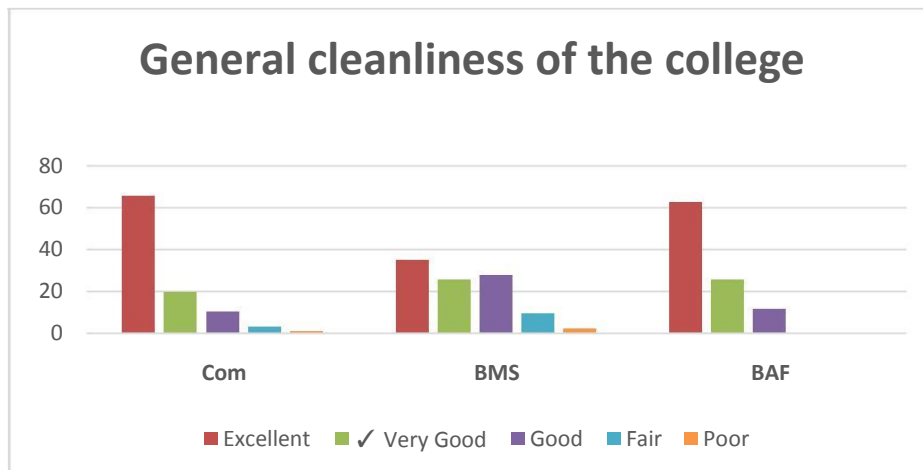
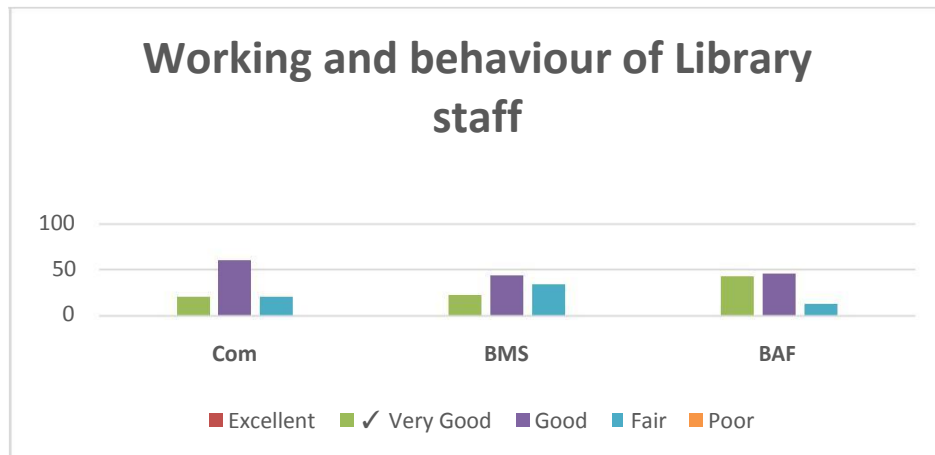
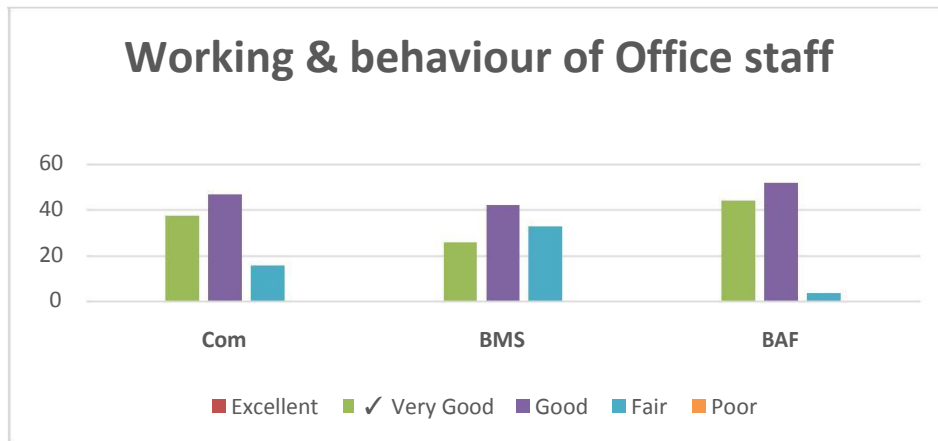
(Percent of total response on Y-axis)

COMMERCE



(Percent of total response on Y-axis)

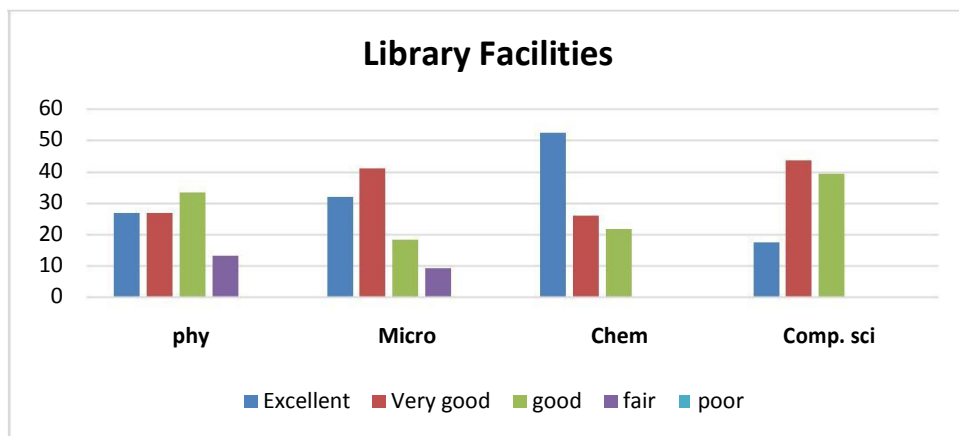
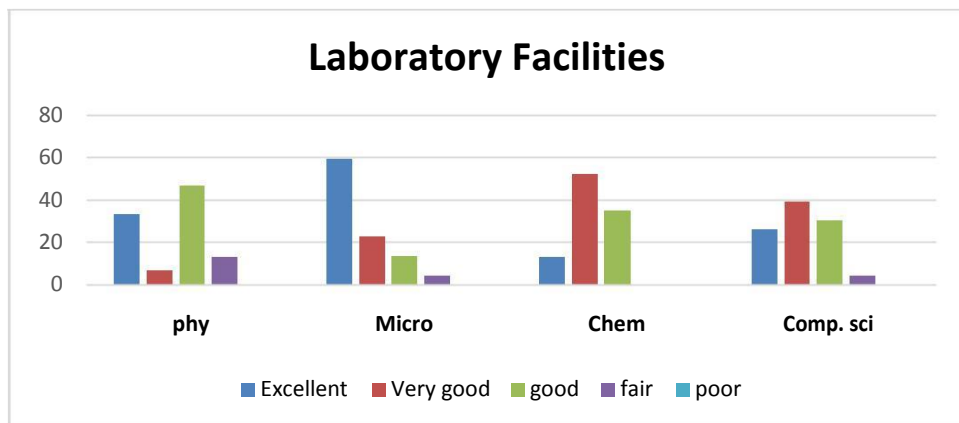
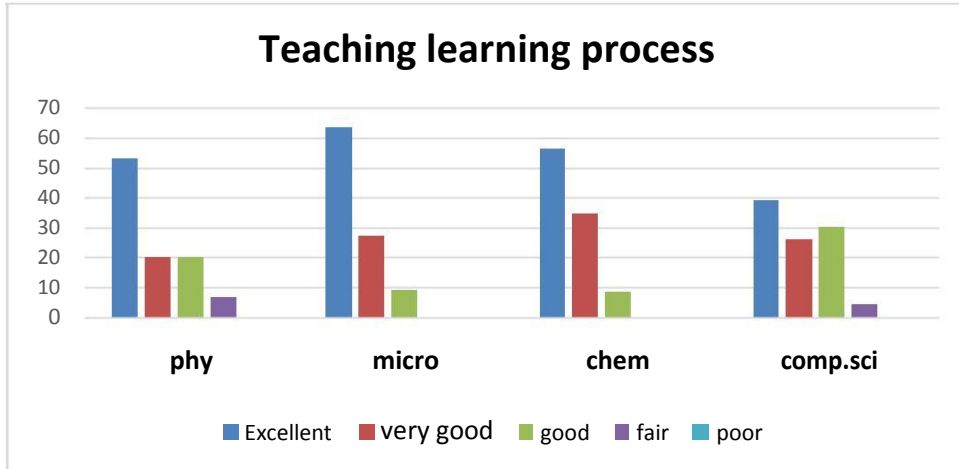
COMMERCE



(Percent of total response on Y-axis)

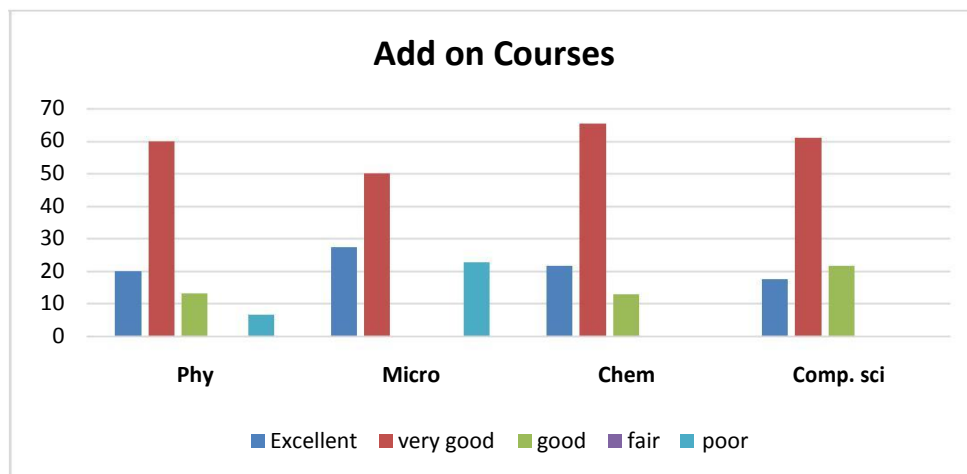
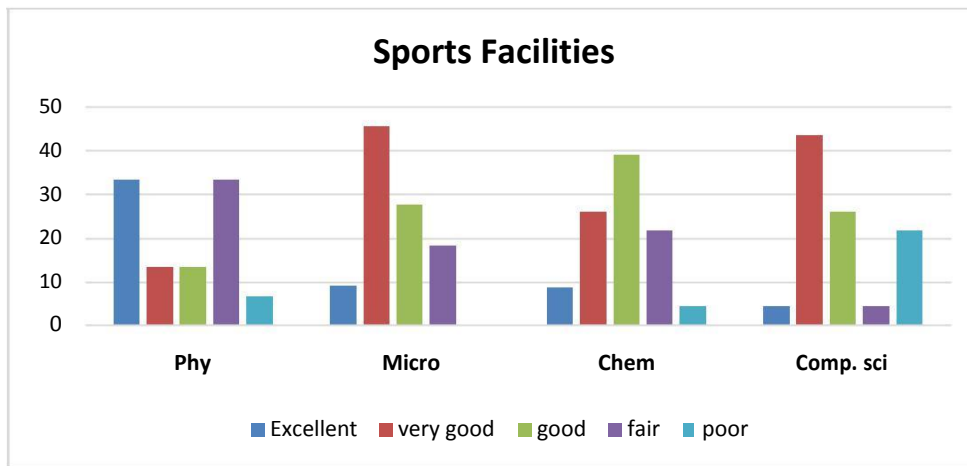
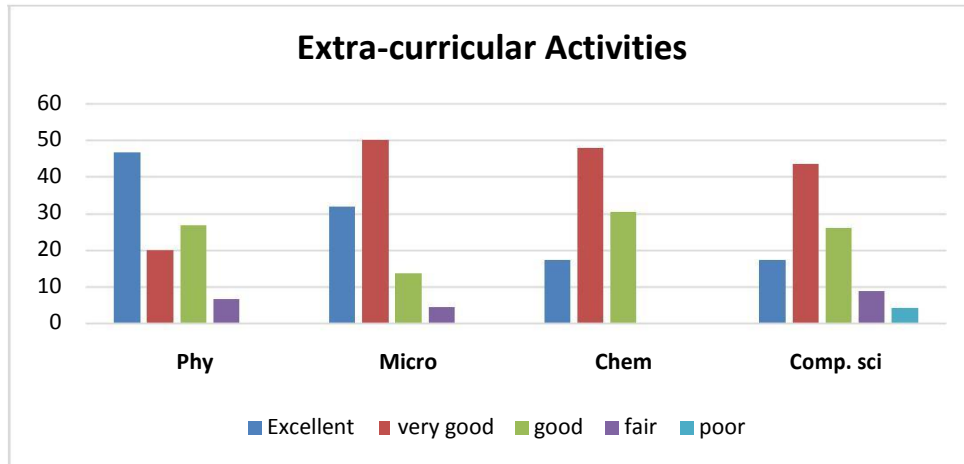
Feedback from students

SCIENCE



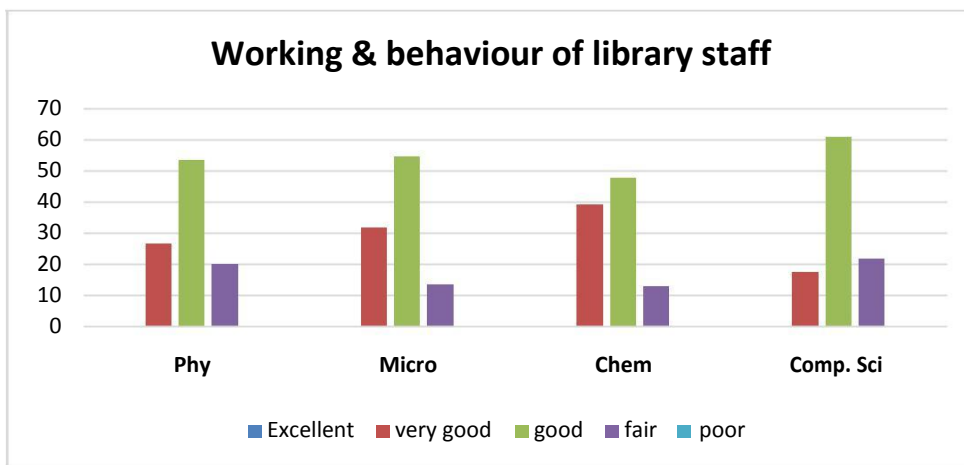
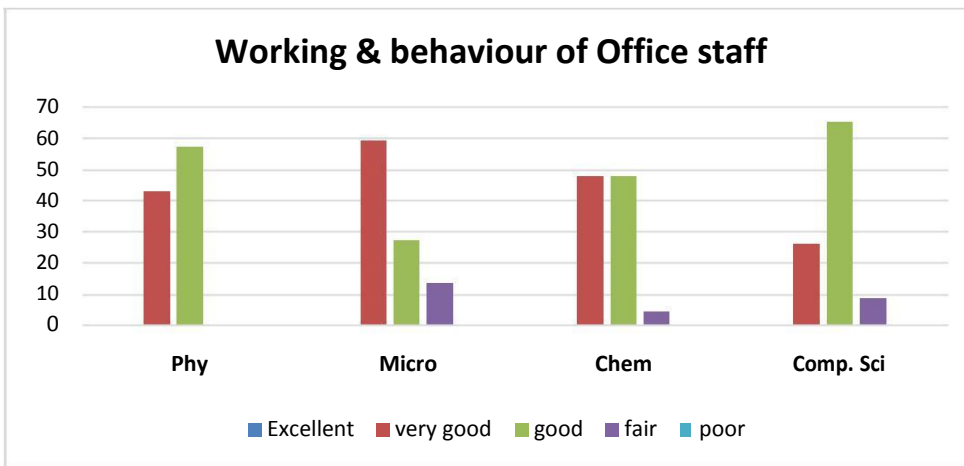
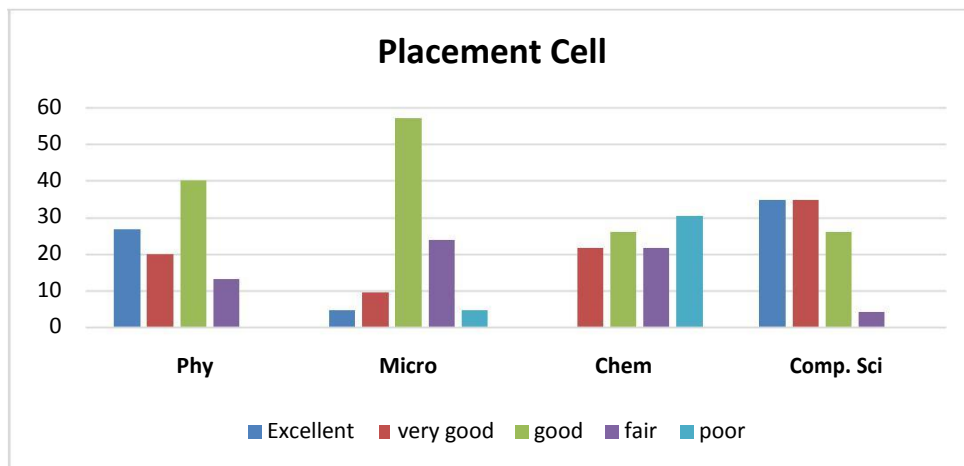
(Percent of total response on Y-axis)

SCIENCE



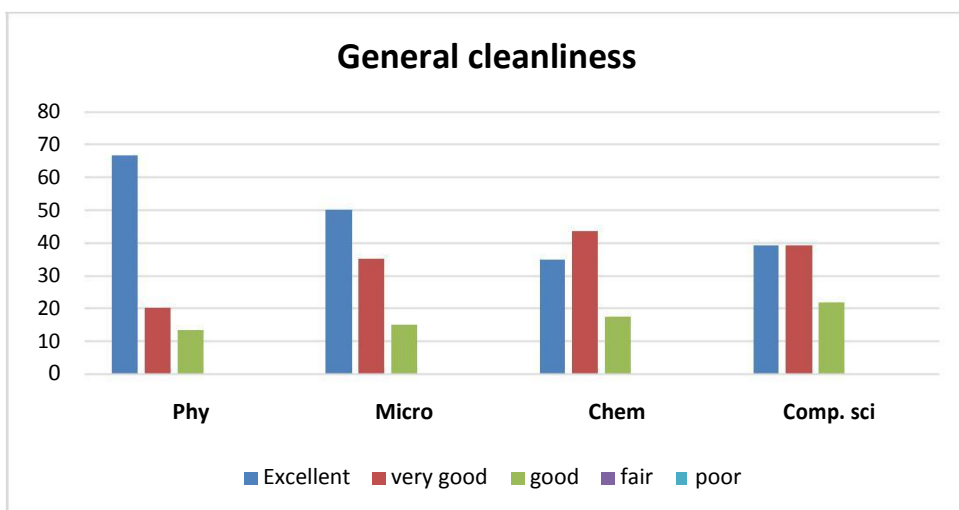
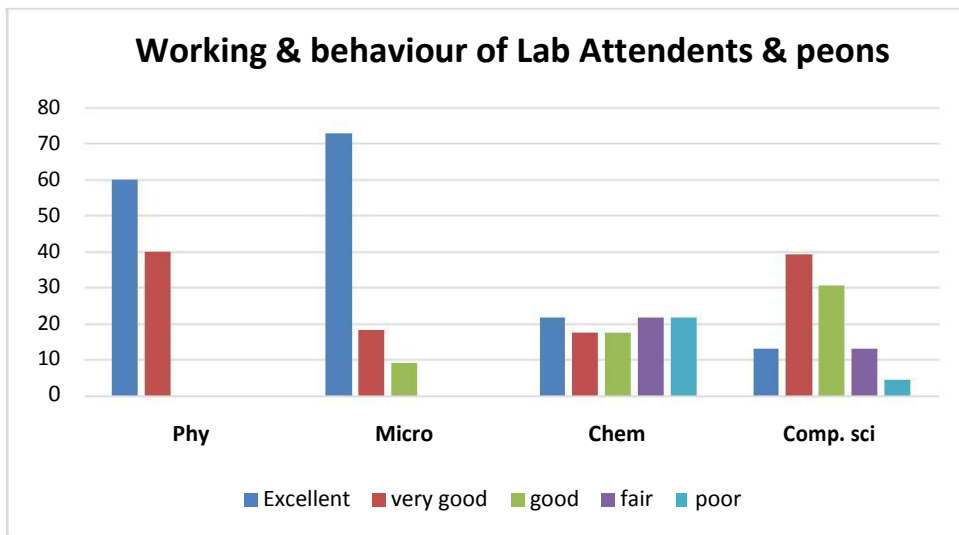
(Percent of total response on Y-axis)

SCIENCE



(Percent of total response on Y-axis)

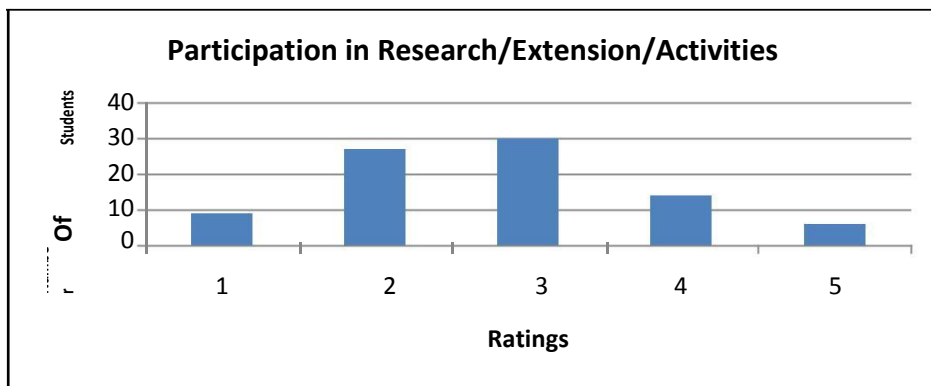
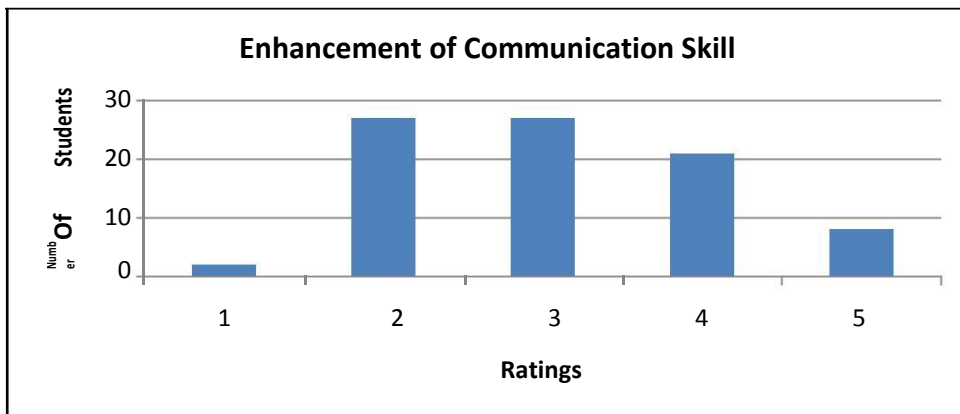
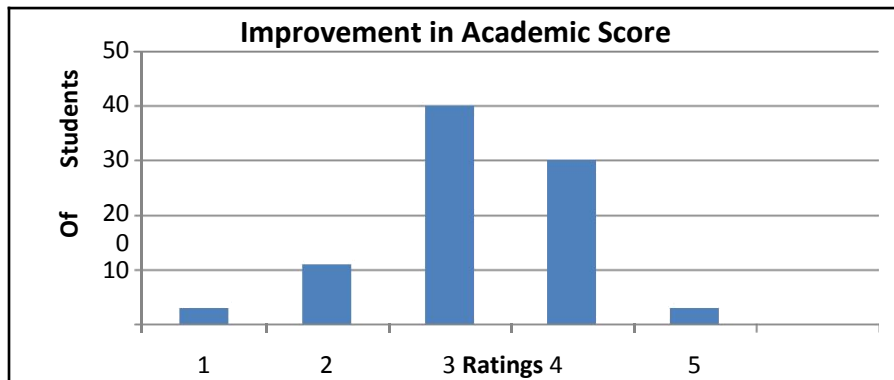
SCIENCE



(Percent of total response on Y-axis)

IIIb: Students' Satisfaction Index

TYBCOM SSI ANALYSIS 2016-2017

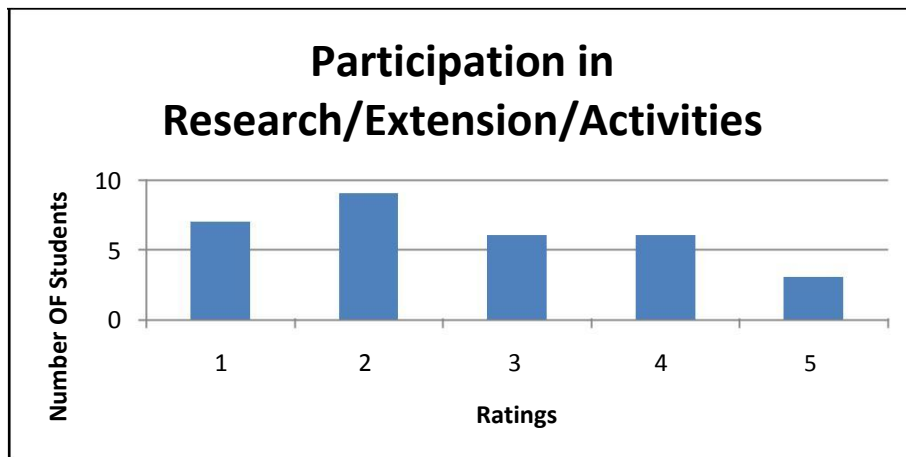
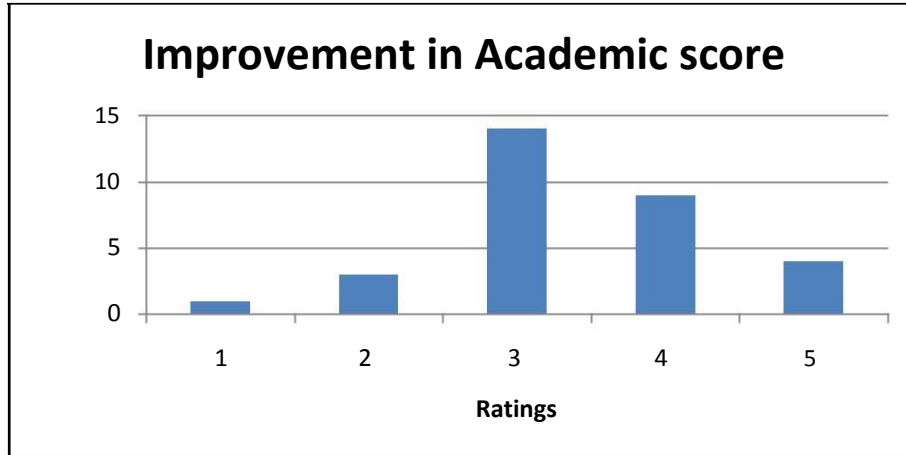


Ratings: 1 - Poor, 2 - Fair, 3 - Good, 4 - Very Good, 5 – Excellent

Total Number Of Students :- 60

Average SSI :- 52.97%

TYBSC SSI ANALYSIS 2016-2017



Ratings: 1 - Poor, 2 - Fair, 3 - Good, 4 - Very Good, 5 - Excellent

Number Of Students :- 32

Average SSI :- 59.25%

Annexure IV: Initiatives by IQAC for Research

1. The facility of seed money made available to faculty. Dr Juliet Miranda and Dr.Mustaqeem Mohammed had availed of this facility last academic year. The faculty members completed the project and published papers on the same project.
2. 6 Faculty members had applied for funds for Minor Research Project under the University of Mumbai minor research project scheme. The proposals of five faculty members were sanctioned funds by the university of Mumbai.
3. 4 faculty members are continuing with their PhD
4. An annual research presentation programme was held for the students.
5. The student research projects of commerce, chemistry and microbiology departments were selected at the Zonal level round of University level research project competition Aaviskhar 2016-17.

Annexure V: Details of Ongoing Research Project**ONGOING PROJECTS**

Prof. Zamanat Syed	UGC (Minor Research)	Isolation of Xylanolytic microorganisms from marine environment and optimization of xylanase production	3,55,000/-
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SANCTIONED PROJECTS

Name	Agency	Topic	Amount
Delphine Pereira	University of Mumbai	Biodiversity of Mangrove associated Macrobenthos of Kandarpada- Dahisar mangrove park	25000/-
Dr. Juliet Miranda Dr. Mustaqueem Mohammed	University of Mumbai	Synthesis of Heterocycles using Novel Green Catalysts”.	30000/-
Dr. Vibha Bhagat	University of Mumbai	To evaluate presence of lysine and adipic acid from hydrolysis and degradation products of waste paper by soil micro flora as renewable green source of commodity chemicals	30000/-
Prof. Ritika Lala	University of Mumbai	Generation of Online Quiz and Question Papers using Shuffling Algorithm University of Mumbai	35,000/-
Prof. AnushkaPadhye	University of Mumbai	Comparative Analysis of various techniques of steganography University of Mumbai	20,000/-

Annexure VI: Details of Research Publications

PAPER PUBLICATIONS

Faculty	Title of Paper Publication
Sanchita Datta	Indian Retail Management, Shodhaditya,42-45, ISSN-2347-8403
SanchitaDatta	Impact of Brand Awareness on Consumer Loyalty of Soap, Online International Interdisciplinary Research Journal. Vol. VI Nov. 2016,76-82, ISSN-2249-9598
SanchitaDatta	Medical tourism in India, A swot analysis, Sanshodhana-2, In press,ISBN978-81-929897-1-6
Tabassum Khan	EkiSivi Sadi ki kahanimein badalte sambandh, Hindi Sahitya : Samvednake Dharatal,130-135 ,
Mustaqeem Mohammed, J.M.Miranda	Heteroannulation of substituted thiocarbohydrazide,HeterocyclicLetters,Volume 6, Issue 03 (July 2016),Pg. No. 351-356, ISSN-2231-3087

Paper / Poster PRESENTATIONS

Faculty	Title Of Paper/ Poster	Theme Of Conference	State/ National/ University Level	Date	Organiser And Venue
Renu.Khandelwal	Role of technology in Developing Women Entrepreneurs in Unorganised Sector	“Vision India: Prospects and challenges”.	National level	26/04/17	A.E.Kalsekar Degree college Mumbra, Thane
Dr. Jyotsna Haran	Status of Health Insurance in India: Its opportunities and Challenges	Vibrant India: Renaissance	National	4/3/17	Thakur College of Science and Commerce, Kandivali
Dr. Jyotsna Haran	Students Perspective on	Organization Sans	International	18/02/17	Aditya Institute of

	Boundary less Education System	Boundaries			Management, Borivali
Momina Sirguroh	Sanitation and Development: A study on the role of sanitation in Nation Building	Culture and Nation Building: Challenges and Solutions	National	3 & 4, Dec 2016	Mahatma Gandhi Kashi Vidyapith, Varansi
Momina Sirguroh	Changing Lifestyle of Tribals of Mirambhayander City : An Ethnographic Approach	The Tribes of India: Habitat and Survival	International Interdisciplinary	7 & 8 Feb, 2017	K.M. Agrawal College of Arts, Commerce & Science
Tabassum Khan	Samkaleen Kahani Mein Bhasha Shaili	Samkaleen Kahani Sahitya	National	30/7/16	Smt. Indira Mahadev Behere Arts College
Ravishri Mishra	Hygiene Status & Practices of Tribal in Dahisar T Manor Village, Palghar District	The Tribes of India: Habitat and Survival	International Interdisciplinary	7 & 8 Feb, 2017	K.M. Agrawal College of Arts, Commerce & Science
Ravishri Mishra	Gender & Health: Empowering adolescent Girls through Sanitation	Culture and Nation Building: Challenges and Solutions	National	3 & 4, Dec 2016	Mahatma Gandhi Kashi Vidyapith, Varansi
Delphine Pereira	“Biodiversity status of mangroves of Dahisar mangrove park, Dahisar(west) Khadi, Mumbai, India.”	Contemporary issues in Economics, Commerce Humanities, Social sciences, Engineering, Technology and Management	International Conference	28 th Jan 2017	La-Shimmer Resort, Bhayandar Mumbai. (Organised by Abhinav college and INNAAR)

Dr. SanchitaDatta	Online Purchase Bridging the divide in Rural India	Recent Trends in Digital Empowerment in Emerging Economies.	National Conference	8 th Dec. 2016	Ghanshyamd as Saraf College
Dr. SanchitaDatta	Smart Cities through Industrial Corridors	Sustainable Development: Impact on Trade, Commerce, Economies and Science	National Conference	19 th Nov.2016	Maharashtra College
Dr. SanchitaDatta	India a survivor in the world geopolitics	Visio2050: balancing Developmental needs with Ecological Issues	National Conference	20 th Dec. 2016	Royal College
Prof. Vilasini Gaode	Effect of Garlic Juice on in-vitro Dental Biofilm	Research Meet The Sajjan Gupta – Konark Memorial Awards	National	18 January 2017	VES College
Prof. Vilasini Gaode	Decolourization of Acid Blue Dye by Bacterial Isolates from Local Effluent	Research Meet The Sajjan Gupta – Konark Memorial Awards	National	18 January 2017	VES College

Prof. Vilasini Gaode	Biodegradation of Engine Oil by Bacterial Isolates from Oil-polluted Waters	Research Meet The Sajjan Gupta – Konark Memorial Awards	National	18 January 2017	VES College
Prof. Vilasini Gaode	Heavy Metal Tolerance of Moderately Halophilic Bacteria from Wetlands of Western Thane	Frontiers in Applied Biological and Chemical Sciences	National Symposium	10, 11 February 2017	Smt. CHM College
Prof Zamanat Syed	Primary Screening of Xylanolytic Bacteria from Marine Environment and Characterization of xylanase from Gracilibacillus spp.	19 th DFF (Dr. Dhala's felicitation fund) Research Project Presentation	Regional	27th Aug. '16	Bhavan's College
Prof. FarhaanMakba	Comparative Study of Antibacterial Activity of Honey and Antibiotics.	Research Meet The Sajjan Gupta – Konark Memorial Awards	National	18 January 2017	VES College
Prof. FarhaanMakba	Preservation of Vegetables by Fermentation	International Virtual Congress	International	05/08/2016 to 10/08/2016	International Science Community Association

Dr. Mustaqeem Mohammed	Ecofriendly route for the synthesis of azo dyes	Balancing Development need with ecological issue	National	19/12/2016	One Day National Conference-Vision 2050: Balancing Development need with ecological issue at Royal College, Mira Road.
Dr. Mustaqeem Mohammed	Ecofriendly synthesis of Biginelli Products	Global Research : Value, impact and outcomes	International	05 -10th Aug 2016	3rd IVC
Dr. Chitralkha Amin	Physico chemical characterization and heavy metal content of ayurvedic bhasmas	National Symposium On Frontiers In Applied Biological And Chemical Sciences	National	10 th and 11th Feb 2017	CHM College Ulhasnagar
Dr. Juliet Miranda	Ecofriendly route for the synthesis of azo dyes	Balancing Development need with ecological issue	National	19/12/2016	One Day National Conference-Vision 2050: Balancing Development need with ecological issue at Royal College, Mira Road.
Prof. Aqeela A. S. Qureshi	GC-MS analysis of <i>Nigella sativa</i> & <i>Trigonellaf oenum-graecum L.</i> seed extract and study of Antibacterial effect	Global Research : Value, impact and outcomes	International	5 th -10 th August 2016	3 rd International Virtual Congress (IVC-2016)

Prof. Aqeela A. S. Qureshi	“Chemical investigation of effluent from Chemistry laboratories of Royal college, Mira road & subsequent studies of remediation techniques”	Balancing Development need with ecological issue	National	19/12/2016	One Day National Conference- Vision 2050: Balancing Development need with ecological issue at Royal College, Mira Road.
Dr. Nandini K	Study of modification of the optical and structural properties of silicon by swift ion beams	International Conference on Ion Beams in Material Engineering and Characterisation	International	28 th September to 1 st October 2016,	Inter University Accelerator Centre, New Delhi

The Annual research project presentation programme was held on 16/2/2016 and 17/2/2016. Students presented the results of the research projects they have worked on during the academic year. The programme was conducted in two phases:

14/6/2017 Poster presentations for Science faculty and Poster presentations for Arts, Commerce and BMS Faculties

15/2/2017: Oral presentations for Arts, Commerce and BMS Faculties
Enclosed list of student research project.

Sr No.	Class	Topic
1	SYBSc (C.S.)	Cyber Crime Security
2	SYBSc (C.S.)	Dark Web
3	SYBSc	Comparative study of strength of cement
4	SYBSc	Study of Avifauna Diversity of Shrusthti area, Mira Road
5	FYBSc	BMI studies of Royal College students
6	SYBSc	Study of awareness and satisfaction levels of voters on the performance of the municipal corporation.
7	SYBSc	Studying strange phenomenon"s in Hyperdimenstions
8	SYBSc	Decolourisation of Acid blue Dye by Bacterial Isolates from Local Effluent
9	SYBSC	Comparative study of Antibacterial Activity of Honey and Antibiotics
10	SYBSc	Process optimization to reduce effluents during the oxidation reaction of cyclohexanone to adipic acid
11	TYBA	Voting Behaviour of Royal College Students
12	SYBA	Demand for Autonomy
13	TYBA	Workers in informal Sector – A probe into problems of naka workers in Mumbai
14	TYBA	A study on personal and psychological problems of college students.
15	TYBA-Eco	Demonization and impact on kirana stores of Mira Road
16	TYBCom	Woman cab Drivers
17	SYBA	Impact of petroleum oil prices on consumers of Mira Road.
18	SYBA	The relationship between likability of teacher and pupil"s academic performance
1.	MCom	A study of the Attitude of Indians towards Marriage
2.	TYBCom	A comparative study on Organised and Unorganised Retail Outles
3.	SYBCom	A study on preference of an Era of Cashless Economy in India
4.	FYBCom	A Study on Popularity of E-Commerce
5.	FYBCom	A Comparative Study on Jio and other Cellular services
6.	TYBMS-02	A project Report on Bank Statements –VAT under Ravi Kushvaha
7.	TYBMS-30	Khushiyon ki Doli – a project by HUL
1	SYBSc CS	Artificial Intelligence on Speech Recognition
2	SYBSc CS	Hacking
3	FYBSc CS	Blue Brain
4	TYBSc	Biodegradation of Engine Oil by Bacterial Isolates from Oil-Polluted waters
5.	SYBSc	Effect of Garlic Juice on invitro Dental Biofilm
6.	SYBSc	Extraction of Exopolysaccharide from Bacterial Isolate
7.	TYBA	NATO [North Atlantic Treaty Org]
8.	TYBA	BRICS [BRAZIL, RUSSIA , INDIA, CHINA, SOUTH AFRICA]

AAVISKHAR 2016-17

The following student research projects of commerce, chemistry and microbiology departments were selected at the Zonal level round of University level research project competition Aaviskhar 2016-17.

The project titled „Biodegradation of engine oil by bacteria isolates from oil polluted water“ was among the top eight projects selected at the final Aaviskhar 2016-17

Guide	Subject	Topic	Student Participant
Mustaqeem Mohammed and	Chemistry	Micro-Wave assisted synthesis of azo dyes from compound containing active methylene groups	Anjela(T.Y.B.Sc), Urvika(T.Y.B.Sc),
Vibha Bhagat	Chemistry	Process optimization to reduce the effluent for adipic acid preparation by oxidation using nitric acid.	Mahima, Ruksar, Aleena, Alifya, Nauseen.(S.Y.B.Sc)
Prof Vilasini Gaode	Microbiology	Biodegradation of Engine Oil by Bacterial Isolates from Oil-Polluted Waters	Devaunshi Mudodi, Prajnya Shetty, Zarin Shaikh (TYBSc)
Prof Vilasini Gaode	Microbiology	Decolourization of Acid Blue Dye by Bacterial Isolates from Local Effluent	Chapra Tohra, Sayyad Taslim, Bhoir Nilangee SYBSc

Annexure VII: Details of Books Published

Prof.Jyotsna Haran	Books: Regional Planning and economic Development, 1987, EssEss publication, New Delhi, ISBN 978-81-920276-9-2
	Books: Managerial Economics, 2012, Garima Publications, ISBN 978-81-920276-9-2
Prof Ravishri Mishra & Prof MominaSirguroh	Chapter on Main Currents of Feminist thought (NOTES), M.A(Sem 4) SNDT UNIVERSITY.
Prof Ravishri Mishra	A Chapter published in the book “Swami Vivekananda: The Man and his message, ISBN 978-93-82835-19-6, Axis books Pvt Ltd.

Annexure VIII: Conference organized

National Conference on “Vision 2050: Balancing Developmental Needs with Ecological Issues”

A one day National Conference on “Vision 2050: Balancing Developmental Needs with Ecological issues” was organized by the faculties of Arts and Commerce, Royal College of Arts, Science and Commerce, Mira Road, Thane, Maharashtra, on 20th December, 2016. The objectives of this conference were to explore and discuss new and emerging challenges that development on the path of sustainability would entail in various realms of human life. The conference envisaged the coming together of experts from myriad realms leading to the convergence of ideas, thoughts, questions and debates on balancing developmental needs with ecological issues.

Dr. SC Bhanu, the **keynote speaker**, spoke emphatically on the issue of „Climate Change and Societal Issues“. The whole issue of climate change and its consequences we are/ will be encountering are an outcome of our own handiwork rather than natural dynamics.

Dr. K. Rangnathan, chaired the **first technical session** on Financial Planning Towards sustainability formerly with TMC Business School Singapore and Syndicate Bank, Bangalore. He emphasized on the anthropological influences which plays a crucial role in climate change and deliberated on the significance of Vision 2050.

The **second technical session** on Education, Poverty Alleviation and NGOs [Non-Governmental Organizations] was presided by Dr. Narayan. B. Iyer, [CEO& Coordinator of Indian Development Foundation - IDF, Mumbai]. He affirmed that vision 2050 - sustainable development, inherently demands co-operative effort from mankind. A single entity alone cannot shoulder the responsibility of sustainable development. The onus is on everyone to contribute effectively toward sustainability. He further stated that mitigation of multiple deprivation – food, nutrition, health, education and non-food - would facilitate the emancipation of every individual. This will refine the quality of life of the disadvantaged, thereby promote sustainability.

In the light of vision 2050, Dr. Jayaraman (Nuclear Scientist, formerly with BARC) in his **valedictory session**, explicated the various impediments in achieving sustainable development.

He stated “The preoccupation of the human mind for the cares of his family and his obsession for the here and now leaves no scope for the concerns of this world and its tomorrow.”

Quoting from the „Technology Vision 2035“document (3rd Jan, 2016, the Indian Science Congress), he posited that by 2035 life expectancy is expected to reach 80 years, MMR will be 15/100,000 and the total health expenditure is predicted to be 5.7% GDP. Furthermore, he postulated that the constant conflict between individual versus collective prerogatives challenge the accomplishment of sustainable development. He identified seven grand challenges to sustainable development namely: (poverty, development, sustainable development, resource nationalism, terrorism, nuclear power, and conflict free stability).

A magnificent vision amidst such gigantic challenges demand callous human race to radically alter their attitude and approach towards production and consumption. He reinforced the thought that business cannot be carried out as usual to achieve vision 2050. He emphasized that meeting existing needs without compromising the utility of future generations in doing so is an imperative step towards sustainable development.

The conference accomplished this purpose of compelling the minds to ponder on the vast opportunities and challenges in achieving sustainable development.

Annexure IX: Details of faculty served as experts, chairpersons or resource person

FACULTY	DETAILS	ORGANISER
Dr. Chitralekha Amin	Resource person for Workshop on Performance enhancement of T.Y.B.Sc (Chemistry-II)	Department of chemistry, Bhavans College 26/6/2015-27/6/2015
Prof Tabassum Khan	Resource person for syllabus workshop on revised SY.B.A (Hindi) syllabus	Department of Hindi, Bhavans College
Prof Tabassum Khan	Resource person for talk on Competitive Exams	Mahatama Gandhi Research Center
Prof Jyotsna Haran	Resource person	N.L.Dalmia College
Prof Jyotsna Haran	Resource person	Aditya Institute of management studies
Prof Tabassum Khan	Member of Board of studies of University of Mumbai since 2014-15	

Annexure X: Research Collaboration

Dr. Vinod Dattaram Panchal

Broad Research Area:

Condensed Matter Physics (High pressure induced structural phase transition)

Expertise :

- High pressure physics (Diamond Anvil Cell)
- High pressure in-situ X-ray diffraction
- High pressure in-situ Raman scattering
- High pressure in-situ FTIR

Collaborator:

University of Valencia (High pressure Raman measurements on Vanadates)

Annexure XI: NCC & NSS activities

NCC Activities

Achievements of cadets in the Academic year 2016-2017

Sr. No.	Name of the Cadet	Regimental no.	Achievements	Camp attended
1.	Pradeep Balmiki	3MAH/SD/14/116614	SD Senior (gold), Debate 1 st Position	CATC Virar (Phoolpada)
2.	Mustafa Attarwala	3MAH/SD/2015/116618	Mess senior (gold)	CATC Virar (Phoolpada)
3.	Balraj Maheshwari	3MAH/SD/2015/116616	Mess senior (gold)	NIC Colaba Mumbai

List of the activities:

1. Ganpati Visarjan duties : On all the 5 Days.
2. Swachh Bharat Abhiyaan : Campus and surrounding.
3. Tree Plantation : On campus
4. Blood Donation : In Association with NSS.
5. 15th August invited by Bhaktivedanta hospital for Independence day celebration.
Republic day celebration at college : parade, bike stunts and rifle drill
6. Grand NCC day Celebration : Parade followed by section battle drill.
7. Disaster Management Training in the college in collaboration with the NSS unit of the college.

NSS activities

- I) Disaster Management Workshop
- II) Civic
Ganesh visarjan duty with Kashimira police station
Road Safety campaign
Swachha Bharat Pandharvada-
- Poster Making
 - Slogan Writing
 - Shramdaan by volunteers in the school
 - Screening of documentary on Sanitation
 - Cleanliness drive along with Railways
- III) Health
- 1) Palliative care lecture
 - 2) Palliative care training and demo
 - 3) Home visits
 - 4) Blood Donation: 49 & 32 Units (Two camps)
 - 5) Volunteers Hb and Blood group check up
 - 6) Malnutrition survey
 - 7) Lecture on Thalassemia Awareness by Sarla Blood Bank followed by a screening camp
 - 8) Awareness campaigns : dengue and Malaria, Healthy eating habits, Aids Awareness, Anti plastic, Human trafficking, Violence against women and Female Feoticide, Women Rights as Human Rights
 - 9) Rally to create awareness about importance of cleanliness in adopted area.(Penkarpada)
- IV) University/ Zonal level participation :
- Gandhi Jayanti- P.O. and 25 Volunteers participated for Gandhi Bhajan Sandhya at Gateway of India Churchgate
 - 20 Volunteers participated in Tiranga march at University of Mumbai- Kalina
 - 25 volunteers participated in Quit India 2 at Azad Maidan
 - 21 volunteers participated at Rally for Organ Donation Walkathon
 - Utkarsh camp(state level)- 6 volunteers participated at Cultural fest Dandekar College concerning cultural skills of the volunteer. Volunteers were selected.

Annexure XII: Extension activities

- The College has signed a MOU with Child Help Foundation. Student volunteers and faculty of the Commerce Department support their programmes, aimed at positive social change in the lives of under privileged children.

The following programmes were supported by our volunteers

1) Standard Chartered Mumbai Marathon 15th January 2017

2) Daan Utsav 2nd October to 8th October 2017

3) Children's Day - 14th November 2017

4) Pinkathon 17th December 2017

- The College has also signed a MOU with Bhaktivedanta Hospital. Student volunteers and faculty of the BMS Department participated in various women empowerment activities at Wada Village.
- In addition students of the Arts faculty volunteered with Sanjeevani Hospital Foundation for their learning fun activities.
- The college also partnered with GOONJ – a National Level NGO in their "Urban Waste To Rural Wealth" initiative.
- The Joy of Giving (Daan Utsav) Week was observed in the months of January- February to accommodate the academic schedule. As in the previous years, an appeal was made to students for donation of stationery, bed and bath linen, soaps and detergents.

The beneficiaries of this largesse were:

- Stationery to the children of Municipal School
- Other items were donated to Anand Ashram (Vasai)- home for the aged and orphans.

In addition an amount of ` 32,000/- was contributed by staff members which was disbursed to the following beneficiaries:

- Celebration of Sports day with our NGO partners Child Help Foundation ` 2,620/-
 - Toys and Stationery amounting to ` 1,290/- was given to Happy Feet Home, a daycare hospice for children in palliative care.
 - ` 25,000/- was donated to Happy Feet Home, a daycare hospice for children in palliative care.
- ` 3090/- balance will be used for other NGO activities.

Extension activities of the Depts.

Sr.no	Activity	Department	Details
1	Environment awareness	Zoology	E-Waste collection drive with Eco Reco Total collection 102.7 Kg
		Nisarg and other departments	<ul style="list-style-type: none"> • Six students and three Alumni volunteered to help in Sanctuary Asia Wild Award Ceremony to escort dignitaries and awardees on to the stage and in the overall arrangement during the function. • Four students and three Alumni volunteered to help in Kids for tigers in organizing their annual competition for school students. • Tree plantation across Maharashtra • Tree plantation in association at SGNP.
2	Civic Duty	Zoology	Voter awareness drive and Voter card Registration Campaign
3	Sensitization of students towards socially underprivileged	All Departments	<ul style="list-style-type: none"> • Regular visit to Old Age Home.
4	Education	Chemistry	<ul style="list-style-type: none"> • Gyaandan programme for student of urdu Medium BMC School Munshi Nagar
		Economics	<ul style="list-style-type: none"> • Gyaandan programme conducted at BMC school Penkarpada.

Annexure XIII: Motivational Talks on Leadership Qualities and Career Guidance Initiatives

Motivational Talks on Leadership Qualities

Name of the Speaker	Date	Class	Topic	Duration
Ms Namita Purohit Founder, "Build Worthy" and "Bhakti"	16-08-2016	FYBSc CBZ & C.Sc	Know your Personality (Part-I)	1 ¹ / ₂ hrs
	20-09-2016	FYBSc CBZ & C.Sc	Paint your Growth Canvas (Part-II)	1 ¹ / ₂ hrs
	20-09-2016	FYBA	Womanhood (Part-I)	1 ¹ / ₂ hrs
	29-09-2016	FYBA & FYBAF	Personality types & Paint your Growth Canvas (Part-II)	2 hrs
Mr. Sudesh Kalia CEO of "Define Today" and Motivational speaker	22-08-2016	FYBMS & FYBSc (CZMicro & CPMicro)	Importance of Interpersonal skills and development of Human values in Life	2 hrs
	02-09-2016	FYBCom	Importance of Interpersonal skills and development of Human values in Life	2 hrs

Career Guidance Initiatives

Talk	Resouce Persons	Beneficiaries -students
Careers in Finance and Marketing	Mr Nikunj Doshi (Mahesh Tutorials)	TYBMS & BAF (110)
Workshop on Resource Building	Mr Satya Prakash Chetry (Times Institute)	TYBMS & BAF (110)
Employability	EduSharp Ms Jenny Chettiar, Ms Nupur Santoshi Ms Arzo Chaturvedi	TYBMS & BAF (92) TYBCom (40)
Credit Rating Analysis	Mr Biharilal Deora (AIWMI)	TYBMS & BAF (60)
Careers in Finance	Mr B. S. Mani (Origa)	TYBMS & BAF (85)
„Start-Ups“	Mr Rehan Shaikh	TYBCOM

	(Lifestyle stores, Viviana Mall) Ms Shasmita Petro(HR Recruiter, Career Mould Consultancy) Mr Javed Khan (Tutor – Coaching Class)	
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Annexure XIV: Gyan Manthan Report 2016

Gyan Manthan 2016

Gyan Manthan, is an inter- and intra-collegiate festival of Royal College of Arts, Science and Commerce. This two day festival or Royal Gala was organized on 26th and 27th of August 2016. It witnessed an overwhelming response from participants.

There were fun games in mathematics and psychology, workshop and disaster management, Press & Radio ad making, Haseen Mulakat (Celebrity Interview), Lan Gaming, Seminar on BREXIT, Pictionary, Power Point Presentation, Micro & Eco Rangoli, Hymn Chanting, Skits, Chem housie, Inter-collegiate Basket ball tournament, Bio-Cartoon, Mehendi application, Poster Competitions, Food Stalls and many more. A brief report of all the events is stated below.

DAY 1: 26/08/2016

1. Mehendi Competition

This event was organized by the FACC club had 75 participants

2. Wad-Vivad

Debate competition was organized by the Hindi Department on the topic „Working mothers also make good mothers“ Total number of students participated in this event was 14.

3. Sketch Making

On the spot sketching on the following social and environmental issues.

- a) Save Water b) Save Planet c) Dreams in 2050

A total of 12 students participated

4. Science-Fiction Movie Clip

This event organized by the Physics Department required students to present a clip based on Science fiction and add a futuristic application based on the clip. Total numbers of participants was 7.

5. Music Baaz

Music baaz organized by the FACC club was all about the magic of Instrumental music . Different instruments like Keyboard, Tabla, Guitar and Piano were played. There were total 9 participants

6. Seminar on BREXIT

Elocution Competition on BREXIT by the Department of Economics had students elucidating the meaning, causes and effects of BREXIT on U.K. and its business partners particularly India.

7. Mask Making

Organized by The FACC club had students making creative masks and naming them too.

8. Games Stall

The event organized by the Maths Club had 235 students participating in the following 5 games:

1. Shoot, solve & win
2. Rubik's Cube
3. Chess Board
4. Snake and Ladder:
5. Sudoku

9. Miss Entrepreneur

The event organized by The Women Development Cell was a display of talents and ways of converting them into professions and business. There were 6 participants.

10. Press and Radio Ad Making

.Innovative and Creative Press Ads and the Radio Jingles were presented. The event had 11 teams of 3 students each.

11. Fun Chem

The event organized by The Chemical Association had students in teams of 2 solving puzzles and problems in Chemistry. 119 students participated

12. Poetry Recitation

The event organized had 46 participants reciting poems in English, Hindi, Marathi and Urdu.

13. LAN Gaming

A popular event organized by the Info-T club

14. Sketch Your Imagination

The event organized by the INFO-T had 15 students sketching a picture in MS-paint.

15. Logiptude

Logiptude test was an Aptitude test in computers and IT. 36 students participated in the event.

16. Video Matinee

Quiz based on Video clips . A total of 41 students participated.

17. Tiara Making

Design a Tiara contest had 18 participants.

18. Intercollegiate Basketball Tournament

The tournament was organized by the Sports and Gymkhana Club. Total 5 teams participated.

19. Eco-rangoli

The event organized by the Bioscience Department had colorful rangolis made with natural and bio-degradable materials.. Total 18 students participated,

20. Micro Rangoli

Traditional or contemporary rangoli designing using concepts of Microbiological staining procedures or permanent slide observations.

21. Treasure Hunt

A total of 120 students participated in the event.

22. Sketching and painting of Birds of Mumbai

The event organized by the Nature Club. Birds of Mumbai selected from Sunjoy Monga's book were sketched and painted. 24 students participated.

23. Food Stall (Degree College)

Food fest was organized by the Student's Council

DAY 2: 27/08/2016

24. Tangled Unwire Yourself (Psychological Games)

The event organized by the Psychology Department comprised of various games based on the principles of Psychology with the object of self awareness of the participants. Total 140 students participated.

25. Poster Presentation

The INFO-T Club organized poster presentation on the theme „How Pokemon Go Sparks Hazards“. 41 students participated

26. Micro Parody

The event was organized by ARaMB (Department of Microbiology) on microbiological concepts.

27. Presentation Competition on “Emerging Indian Economy” (Intercollegiate Event)

The Departments of BMS, BAF & Commerce organized a PPT and poster competition. 11 students participated.

28. Zara Nachke Dikha

Solo and duet dance competition was organized by the FACC club in the School Hall. The categories were classical, semi-classical and western form. 32 students participated.

29. Skit Competition

The WDC organized a skit competition on the theme “She Can Do What He Can Do”. 10 students participated.

30. Hymn Chanting

The event organized by the Literary Association had 25 participants. Hymns in English, Hindi, Urdu and Marathi were sung.

31. Street Play

Street play competition on social issues like Women Empowerment, Sanitation and Healthy Habits. 50 NSS volunteers participated.

32. Seminar on „Empowering Women through Political Participation“

The seminar was organized by the NSS unit. Shaila Borade, Chairperson of Taluka Panchayat Samittee, Ambarnath shared her life experiences with 130 students of Degree College and stressed on political and economic empowerment of women.

33. Disaster Management Mock Drill

One week training programme was organized by the NSS unit to train the volunteers in relief, rescue and rehabilitation work. 120 Volunteers were trained in Fire Fighting, Rescue Operation Warning System and Evacuation Plan.

34. Enigma

The event was organized by the Math Club was about decoding the words represented using numbers. 22 students participated.

35. Pictionary

The event was organized by the Math Club had 15 participants describe words using geometrical objects.

36. Haseen Mulakat

Mock Celebrity interview competition was organized by the FACC club.4 teams participated

37. Bio-Cartoon

The Bioscience Department organized a competition wherein, plants or animals were to be sketched as cartoons giving a caption. 28 students participated .

38. Best Out Of Waste

The event organized by the FACC had 13 participants prepare wind chimes using waste materials.

39. Crossword Quiz

The event was organized by the Royal Physics Club had 22 participants in 11 teams.

40. Grooming

The FACC club organized a grooming styles competition that included hair styles, nail paints, foot wear and attire- both traditional and modern. 43 students participated .

Annexure XV : Best Practice I

7.3 Give two Best Practices of the institution

1. Title of the practice: „Value Based Education“

2. Goal:

- To inculcate values in the students along with formal education that will mould them into responsible citizens and to sensitize the students towards the needs of the underprivileged in society.

3. The context:

- The vision and mission of the institution stresses on the importance of value based education leading to personal, professional and social growth.
- To provide opportunities to all students for the inculcation and development of certain positive values, thereby creating individuals with strong value system.

4. The Practice:

- Mentors are assigned to a small group of students. Besides providing guidance on academic issues the mentors also guide the students to solve their personal problems stressing upon the importance of values in life. A workshop on Mentoring for Students Progression organized by the Academic Improvement committee helped the teachers in mentoring the students in a more effective manner.
- Posters and slogans displayed at strategic points in the campus contains inspirational message that highlights the importance of values like discipline, honesty etc in the lives of the students.
- Every session starts with a secular prayer.

Value Inculcation:

- Talks on how to understand your personality and how to set life goals was organized for first year students to help them design their future in a better manner.
- Yoga sessions were arranged for second year students in order to help them cope with the stress of everyday life, improve their concentration and fitness.

- Soft skill sessions, conducted by professionals, for the outgoing third year students.
- Time management and career counseling were held by the counselor
- “Day Celebration” by each class is a novel way to bring forth the importance of various days observed or celebrated on a national or international level. e.g. “World Heritage Day”, “World AIDS Day”, Hindi Diwas etc.
- Various women empowerment and gender sensitization activities conducted
- Visits are organized to places of historical importance and Art Galleries and Kala Ghoda Art Festival to create cultural interest.
- **Community outreach programme:**

Keeping in mind the goal to sensitize the students to the problems faced by the under privileged section of the society, different clubs and societies and departments of the college undertake various social outreach programs.

 - Visits to Home for the less privileged sections of the society undertaken to sensitize the students to the needs and plight of the marginalized sections of the society
 - Monetary contribution from „Joy of Giving week“ was forwarded to „Happy Feet Home“, a day care hospice for children in palliative care while the material contributions were given to Municipal school and Anand Ashram (Vasai), a home for the aged and orphans.
 - Street play on the ill effects of addiction to mobile phones were performed in housing societies / federations of housing societies
 - A MOU signed with the NGO Child Help Foundation
 - Two students sponsored for Mumbai marathon to support the cause of the NGO, Child Help foundation.
 - The NSS unit activities
 - Cleanliness Awareness Drive
 - Rakhi and other items Sale for K. K. Rehabilitation Center
 - Palliative Care
 - Street Play Competition

- Posters to highlight various social issues
- Activities in Adopted Area
 - Arts Association helped the municipal school students at Penkar Pada with their school assignments
 - The Chemistry Department continued the Gyan Daan programme for Municipal School students studying in the Urdu medium at Munshi Compound
 - Science experiments demonstrated by the Physics department to the municipal school students

Evidence of success:

- The academic performance of the municipal school students mentored under Gyaan Daan significantly improved. 5 girl students, who normally would have become school dropouts, enrolled for high school education.
- The number of students coming to study under Gyan Daan increased this year.
- The participation of students in different extension activities has increased.
- The values like discipline and punctuality imbibed by students during their academic stay in college helps them in their career.

5. Problems encountered and resources required:

- Keeping the students motivated throughout the year for Gyan Daan
- Sometimes the demands made by the NGO's are beyond the capabilities of the students.

Annexure XVI: Best Practice II

1. **Title of the Practice:** Green warriors for a green environment

2. **Goal:**

- To promote interest and knowledge about the environment
- To undertake activities to experience the wonders of nature
- To develop conservational attitude towards nature
- To spread awareness through campaigns
- To co-operate with groups having the same objectives
- To inculcate environment friendly lifestyle

3. **The Context:**

- Nature is more than a commodity for the benefits of humans. Direct interaction with nature helps understand its value and gain a better appreciation of the importance of healthy habitats and ecosystems. Through our nature activities we try to recognize the intrinsic value of biodiversity and natural ecosystems, and protect and restore them (plantation drives, attending to injured birds and animals, putting up of sparrow nests).

4. **The Practice:**

Goal 1: To promote interest and knowledge about the environment

Activity	Details	Date	Participants
Visits	Taraporewala Aquarium	02/03/2017	62 students of FYBSc
Movies	Fresh water series	12/08/2016	FYBSc
	Animal Imposters	09/12/2016	SYBSc
	Coral Ecosystem	26/08/2016	SYBSc
Competitions	PowerPoint presentation - Chemistry and Environment	10/02/17	21 SYBSc
	Painting competition - Mumbai birds	26/08/2016	24 participants
	Photography- Snapshots of Gir Forest	10/11/16 to 14/11/2016	27

Goal 2: To undertake activities to experience the wonders of nature

Activity	Details	Date	Participants
Bird watching sessions	Location: Royal College Campus Guide: Mr Chaitanya Keer (Naturalist)	31/07/16	12 Students
	Location :Royal College Campus & Outside the campus Guide: Mr Nikit Surve (Alumnus , Naturalist)	07/10/2016	13 Students
	Location :Royal College Campus & Outside the campus Guide: Mr. Varun Satose & Mr. Vikrant Chaurasiya (Naturalists)	10/12/2016	18 Students
Bird watching sessions	Location : Bhuigaon- Vasai Guide: Mr. Mark D'mello (Ornithologist)	22/01/2017	25 Students
Trails / Visits/ Camps	Location : Shilonda Trail Sanjay Gandhi National Park Guide: Sanal Nair(Naturalists , BNHS)& Adesh Shivkar (Ornithologist, Nature India)	10/07/16	42 Students
	Location : Overnight camp to Kaas Valley- Satara (Valley of flowers) Guide: Tour Guides from Round the Globe tourism	10 & 11/09/16	18 Students & 13 staff
	Location : Nature camp to Gir Forest- Gujarat Guide: Mr Nikit Surve (Alumnus , Naturalist)	10 to 14 th November 2016	27 Students
	Location : Keshav Shrishti (Nature Park) Guide: Inhouse guides	8/10/16	24 Students

Goal 3: To develop conservational attitude towards nature

Activity	Details	Date
E-Waste collection drive	In collaboration with „Eco-Reco Phase I - Inhouse Phase II - Neighbourhood housing societies (Total 102.7 kg collected)	Year long 2/1 to 27/1/17
Paper bag Making Workshop	Resource Person: Prof Radhika D'souza 6 participants	27/07/2016
PowerPoint presentation - Biodiversity	Resource Person : Mr Chaitanya Keer (Naturalist) Audience – 114 students	30-08-16 & 06-10-2016

Goal 4: To spread awareness through campaigns

Activity	Details	Date
Bird Watching sessions for School students	Location :Royal College Campus & Outside the campus Guide: Soleha Shaikh(Alumnus,Naturalist) Shabnam Shaikh (student)	12/08/2016 & 30/01/2017
Save Electricity Campaign	Team of vigilantes to monitor meter readings and check misuse	Yearlong

Goal 5: To co-operate with groups having the same objectives

Event	Details	Date	Participants
Tree Plantation Drive	Organised by Sanjay Gandhi National Park	1/7/16	15 students
Mumbai Bird Race	Organised by Sunjoy Monga-Ornithologist	19/02/17	8 students & 4 Alumni
Tree plantation	Organised by Maharashtra Govt at SGNP Borivali & Palghar Facilitators : Mr. Aman Salian & Chaitanya Keer (NGO- SAARP)	01/07/16	48 Students
Award ceremony of Sanctuary Asia Wild Life	Volunteers for the Award Ceremony.	2/12/ 16	9 students & 3 Alumni
Kids for Tigers	Organized annual competitions for school students	04/02/17	1 student & 2 Alumni

Evidence of success:

ur motivational activities have succeeded in producing many **green warriors**. These alumni regularly **guide nature trails, birding sessions, bird race etc and are invited as resource persons for nature related talks and presentations.**

- **Increased Societal awareness and participation in our conservation activities**
- Green and clean campus testifies to our concern for nature. Trees are planted both within the campus and outside. **Botanical and medicinal gardens are well maintained and nomenclature has been tagged to every single plant.** Field visit to the campus garden is a regular activity for botany and nature club students. Over the years the **green cover has increased three fold** and so is the biodiversity. **Bird census taken very year shows around 30 to 35 species.**
- **102 kg of Ewaste recycled**
222.5kg of paper recycled and Rs 2180.50 amount generated as revenue used for students activities

5. Problems encountered and resources required:

- Since most students are from low income middle class families, funding for nature trips is a limitation.
- Also acquiring permission for overnight camps becomes a major problem for girl students mainly from first generation learner families.
- These activities require the students to devote long hours and the present semester system leaves very little recreational time.

6. Notes:

Nature related practice is a healthy practice that all institutions can adopt. Particularly in urban areas these activities help reduce and arrest rapid deterioration of environment and produce green warriors to carry on the conservational work.

7.3 Contribution to environmental awareness/protection

Apart from the initiatives listed above the following activities conducted by NSS volunteers during the year helped in bringing about environmental awareness and protection among the students:

- **„Swachha Bharat Pandharva“ 1/8/16 to 15/8/16**
 - a. Poster making on Cleanliness
 - b. Slogan writing competition
 - c. Shramdan by NSS volunteers in the college and school for 15 days
- Rally for Cleanliness awareness in the adopted area by– fight against Dengue and Malaria 75 volunteers participated -15/8/16
- Anti-plastic campaign in the adopted area- 15/8/16

Annexure XVII: - SWOC Analysis

Strengths:

- Fully Qualified dedicated Faculty
- Full time teaching faculty with negligible attrition even in the self-financing courses
- Consistent near 100% result every year since inception
- 100% compliance with completion of syllabus
- Excellent, well maintained infrastructural facilities
- Successful implementation with consistency of extension activities
- Innovative co-curricular activities conducted every year
- Successful implementation of Advance Add-On course by some departments like Digital Marketing for departments of BMS and BAF.
- 2 MRP funded by UGC and 5 by University of Mumbai completed in the last year
- 34 Papers published and presented in National and International Conferences

Weaknesses:

- Subjects of Zoology, Botany and Mathematics not offered at the UG Third year level
- Moderate Research output
- Lack of practical exposure like student internship
- Few interdisciplinary activities
- Difficult to implement innovative teaching methods.
- Intense involvement in extension activities is limited to few students.
- Industrial visits and overnight camps have limited participants due to socio economic background
- Lack of collaboration with industry for consultancy

Opportunities:

- Introduction of some more practical oriented Add-on courses .
- Enhance research culture
- Extension activities provide an opportunity for social linkages and to develop as a responsible citizen.
- Inspiring and guiding students for participation and winning at various inter-collegiate competitions.
- Step up number of Research Projects and involve students.
- Collaboration with IT industry for Sem VI projects of Computer Science students

Challenges:

- Diminishing interest in traditional subjects among students
- Motivating students to participate in activities and improve their skills
- Mentorship programme to be made more effective with a 1:1 approach
- Majority students have limited participation in activities due to socio economic background.
- Industrial visits and overnight camps have limited participants due to socio economic background.