

Name and address of the Institution:

Shiromani Gurudwara Prabandhak Committee's
Guru Nanak Khalsa College of Arts, Science and Commerce
Nathalal Parekh Marg, Matunga,
Mumbai # 400 019. Maharashtra.

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Part A

Our college was reaccredited by NAAC, and awarded A grade with CGPA 3.22.

This achievement raised the benchmark for further improvement. All stake holders geared up to achieve greater heights and improve quality. We realized that our focus should be on quality enhancement and quality sustenance.

Post reaccreditation our quest for excellence has continued through achievements in diverse areas.

- Introduction of new programs, value added and add on courses.
- Higher enrolment of students for PG programs.
- Focus on student centric activities to improve student involvement in the learning process and student teacher relationship.
- Increase in teacher participation in research activities and paper presentation.
- Appraisal and internal auditing of departments through presentations and interactive sessions.
- Improvement in infrastructure, additional ICT enabled classrooms, renovation of the playground and the quadrangle.
- Improving laboratory infrastructure by acquiring high end equipment.
- Strengthening of support services.
- Youth Festival hosted for the first time on behalf of University of Mumbai.



We believe that...

“Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many alternatives.”



Part B

➤ Activities reflecting goals and objectives of the institute:

- The motto of the college '*Essence of Wisdom is Service to Humanity*' motivates us to continue providing for overall development of learners from diverse backgrounds. The college allows payment of fees by easy installments and provides freship to students.
- New academic programs like M.Sc. Nutraceuticals, M.Sc. Bioinformatics, five year integrated M.Sc. degree course in Bio-analytical Sciences and M.A. Hindi provide wider choices and opportunities to the students aiming at higher education.
- To ensure holistic development and to provide a platform for the students to hone their managerial dexterity along with their academics, the college hosted the **43rd zonal level Youth Festival** of the University of Mumbai for the first time.
- Remedial coaching facilities are made available to slow learners.
- The parent-teacher meeting allows parents to update themselves about the progress of their wards and participate in their education.
- The students are ushered into community services through regular features like *Akhandpaath* (recitation of holy book – *Guru Granth Sahib*), *Langar* (community kitchen), Divinity classes and many more.
- Placement services ensure job opportunities to the students.
- No education is complete unless it teaches team spirit and organizational skills to the students. This is achieved by the various activities conducted by the departments and the college festivals.

➤ **New academic programs initiated (UG and PG):**

New academic program (PG): 4 (Recognized by University of Mumbai)

Program	Duration
M.A. Hindi	2 Years
M.Sc. Nutraceuticals	2 Years
M.Sc. Bioinformatics	2 Years
M.Sc. Bioanalytical Sciences (Integrated Course)	5 Years

Certificate courses: 2 (Recognized by college)

Name	Duration
Certificate course in SPSS (Mathematics and Statistics department)	6 months
Embedded Systems for UG students (Physics department)	1 year

Training Programs: 4

Name of the Program – Duration one week
Hands on training in Industrial Microbiology for UG & PG students (Technical expertise provided by Synergia Life Sciences) (Microbiology Department)
Basic Course in MS Office and Internet for College Teachers (Computer Science department)
Training in Soft Skills for UG students (Bio-analytical Sciences department)
Training in Soft Skills for UG students (Bioinformatics department)



➤ Innovation in curricular design and transaction:

As an affiliated institution, the college implements the curriculum of the regular courses based on university guidelines. However, in value added certificate courses, training programs/ workshops, we make efforts to design the curriculum innovatively.

A number of staff members are selected /nominated to the Board of Studies for their respective subject and offer their valuable suggestions during revision of syllabus. Apart from this, each department has also constituted an academic board for designing and implementing value added courses for the students .The recommendations of the academic board are valuable in effective execution of the syllabus.

The following are some of the methods of teaching and learning:

- Use of ICT
- Use of OHP, slides and power-point presentations
- Screening of relevant films / documentaries/VCDs
- Industrial visits/ educational excursions
- Guest lectures
- Classroom debates and discussions, quiz programs, book reviews, play reading and dramatization
- Summer internships
- Subject related activities going beyond the syllabi
- Creative projects and assignment work
- Inter collegiate subject related competitions
- Mentoring programs
- Self-study programs
- Hands on training programs

The interest of the students is enhanced in the curriculum by

- Intercollegiate fests like *Galazio, Spark IT, Paradigm*.
- College magazine '*The Khalsaite*', departmental magazines/ newsletters- *Biozon, Microcosm, Bioniche*



➤ Inter-disciplinary Programs started:

A certificate course in Statistical Analysis in SPSS, this course has been started by department of Mathematics and Statistics in collaboration with department of Bioinformatics and is of six months duration.

Additionally PG programs in Bioinformatics, Nutraceuticals and integrated five year program in Bio-analytical sciences are interdisciplinary in nature.

➤ Examination conducted and reforms implemented:

The college conducts examinations on behalf of University of Mumbai. All examination related procedures are computerized. The modalities are devised by the examination committee.

The examination committee conducted workshops for junior/senior supervisors to apprise:

- New staff members about the examination system
- OMR (Optical Mark Reader) system, newly introduced by University of Mumbai.

➤ Candidates who have qualified NET/SLET/GATE :

Three staff members have qualified NET

Mr. Jignesh Mehta	Physics
Ms. Snehal Nagtilak	History
Mr. Sameer Velankar	Commerce

➤ Initiative towards Faculty Development Program:

Mr. D.C.Kala from the Department of Physics has availed leave under UGC sponsored Faculty Improvement Program.

Mr. Nirmal Singh Sehra and Dr. Ajitha Rani participated in the Indo-US summit on Higher Education.



Ms. Meenakshi Narayanswamy completed a certificate course in SPSS conducted by the college.

- Nine staff members have attended Orientation Course (UGC Academic Staff College):

Name	Department
Dr. Shubha Mukherjee	English
Mr Allan D'Souza	Commerce
Ms Sayali Yadav	
Dr Vibha Gupta	Botany
Ms.Padmaja Kulkarni	Marathi
Dr Manisha Mathur	Zoology
Ms Gauri Chavan	Information Technology
Ms Pinky Padhy	
Dr Lata Joseph	Biotechnology

- Nine staff members have attended Refresher Course (UGC Academic Staff College):

Name	Department
Mr Yogesh Anvekar	English
Dr Ajitha Rani	Chemistry
Ms Deepa Parab	
Dr Madhumita Gangopadhyay	Mathematics
Dr Swaranjeet Kaur Cheema	Botany
Dr Gopa Sarma	
Dr Rupinder Kaur	Zoology
Ms Rashmi Pote	Computer Science
Ms Jasbir Kaur	Information Technology

- Staff members who have attended Workshops/Seminars/Conferences/Training Programs

Department	Workshops/Seminars/Conferences/ training programs
Chemistry	5
Microbiology	6
Bioinformatics	1
Botany	8
Nutraceuticals	6
Bio-analytical Sciences	8
Physics	7
Commerce	8
Economics	4
Philosophy	2
History	6
Hindi	2
Marathi	6

Records maintained in college

- **Papers presented by the staff members at International/ National/ State level seminars/conferences:**

International Level	Nine
National Level	Nine
State Level	Two

Records maintained in college.



➤ Research publications:

There are thirty four research publications of teaching staff.

- Ms V.V Ranade is in the Editorial Board of “Marathitil Vidnyanvishayak Lekhan” – 1830-1950 Vol I published in April 2011.
- Mr Allan D’Souza, appointed on the Editorial Board, ISSN International Publication.
- Dr Lata Joseph was editor for the Newsletter published by Academic Staff Council, University of Mumbai in September 2010 .

Records maintained in college.

➤ Seminars/Workshops conducted by the college:

- Workshops/Seminars conducted: Thirty one

Department	No. of seminars/workshops
Chemistry	3
Mathematics & Statistics	3
Microbiology	6
Commerce	7
Economics	2
Biotechnology	1
Nutraceuticals	2
Bioinformatics	3
Computer Science/Information technology	2
History	2

Records maintained in college.



➤ **Research projects :**

- Twelve ongoing projects (**Amount : Rs 31,03,200**)

Name(dept)	Amount (in Rs)
Dr R K Cheema (History)(Joint Venture)	20,00,000
Dr Suchitra S K (Economics)	70,000
Dr S A Ajgaonkar (Marathi)	5,21,200
Ms D P Awade (Physics)	20,000
Mr H S Kalsi (Physics)	30,000
Dr Veena Sahai, Dr Manisha Mathur (Zoology)	1,30,000
Dr Veena Sahai (Zoology)	20,000
Dr Manisha Mathur (Zoology)	20,000
Dr. Meenal Dukhande (Microbiology)	32,000
Dr. Ajit Datar (GNIRD)	95,000
Mr. B.S.Ajit Kumar (Chemistry)	85,000
Dr. Ajitha Rani.R (GNIRD)	80,000

Records maintained in college.



- Nine research projects completed (**Amount Rs 2,27,250/**)

Name (dept.)	Amount (in Rs.)
Dr. Siby Abraham (Mathematics & Statistics)	10,000
Dr. Mithu Bhattacharya (Mathematics & Statistics)	15,000
Mr. Rakesh Barai (Mathematics & Statistics)	10,000
Dr. Madhumita Gangopadhyay (Mathematics & Statistics)	10,000
Mr.B.S.Ajit Kumar (GNIRD)	40,000
Dr. Meeta Rakesh (Chemistry)	38,000
Dr Ajitha Rani R (GNIRD)	38,000
Dr A Y Desai, Deepa Parab Harmeet Kaur (Chemistry)	32,250
Dr. B. V. Vakil (GNIRD)	34000

Records maintained in college



➤ **New collaborative research programs:**

- Two collaborative research programs

Name (dept.)	Title	Collaborating agency	Duration	Amount (in Rs.)
Mrs. V. V. Ranade (Microbiology)	Metal chelation by <i>Chromobacterium violaceum</i>	Envirovigil	3 months	10,000
	Isolation and screening of acyl homoserine lactone producers from soil and plants.	Envirovigil	3 months	10,000

➤ **Research grants received from various agencies (UG PG):**

Project	Amount received
Completed	Rs 2,27,250
On going	Rs 31,03,200

➤ **Details of Research Scholars:**

Scholars pursuing PhD	Thirty Nine
Scholars pursuing M.Sc	Thirteen

Records maintained in college



➤ Citation index of faculty members and impact factor:

Name (dept.)	Title of paper	Journal/ Book details	Citation index/ Impact factor
Dr Siby Abraham (Mathematics & Statistics)	'Particle Swarm Optimization based Diophantine Equation Solver	International Journal of Bio-inspired Computation, ISSN No: 1758-0374.	DBLP:CoRR abs/1003.2724: (2010)
	Steepest ascent hill climbing for a mathematical problem	Proceedings of the International symposium on advanced engineering & applied management – 40th anniversary in higher education, University Politehnica Timisoara, Romania ISBN 978-973-0-09340-7.	DBLP CoRR abs/1010.0298: (2010)
Dr. P.C.Tekale (Chemistry)	Determination of impurities in Trandolapril by HPLC with UV detection"	Bionano Frontier	0.8
	Quantitative Determination of Nickel (II) in Vegetable Oils by Extractive Spectrophotometric Method	Bionano Frontier	0.8
		Biosciences Discovery : A National Journal of Life Sciences	0.8

➤ **Honors/Awards to the faculty:**

- PhD degree awarded:
 - ✓ Mr. Siby Abraham
 - ✓ Ms. Meenal Dukhande
 - ✓ Ms. Swaranjeet Kaur Cheema
 - ✓ Ms Ajitha Rani,
 - ✓ Ms Sneha Panvalkar
 - ✓ Ms Shikha Roy

- Special awards / recognition:
 - ✓ Dr. Shubha Mukherjee received the Editor's Choice Award 2010 from the Home letters (India), International Publishers of Books and Journals, Bhubaneshwar.
 - ✓ Dr. Ratna Sharma – External referee for M.Phil. dissertation, SNDT University. She was also invited to conduct a session at the international seminar on 'Hindi Ka Antararashtriya Swaroop' organized by the University of Mumbai.
 - ✓ Ms. Anita Pasbola received an award for the most outstanding paper presented at an international conference hosted by the Department of Commerce, University of Mumbai.
 - ✓ Ms. Sayali Yadav appointed as a course writer by the Institute of Distance Education, University of Mumbai
 - ✓ Dr. Suryakant A. Ajgaonkar appointed as a course writer by the Institute of Distance Education, University of Mumbai.
 - ✓ Ms. V.V. Ranade invited as peer team member for mock NAAC at SNDT College, Matunga. She was also invited as a judge to assess research paper presentations for Marathi Vidnyan Sanshodhan Puraskar organized by Marathi Vidnyan Parishad.
 - ✓ Mr. Ajit Kumar appointed as the chief coordinator to conduct zonal activities of the Youth Festival of the University of Mumbai.
 - ✓ Dr. Manoj Mishra invited as a panelist by World Trade Centre, Mumbai to adjudge presentations for one of their courses.



- ✓ Mr. Allan D'Souza, consultant to Corporate Training and Development Institute, Chandigarh.
- ✓ Ms. Snehal Nagtilak awarded J.V.Naik Scholarship for securing highest marks in M.A.
- ✓ Dr. R.K Cheema is a resource person for staff selection committee.
- ✓ Ms. Elizabeth Rosen is a resource person for staff selection committee.
- ✓ Dr. Rupinder Kaur was awarded 2nd Best Research paper presentation in UGC sponsored National Conference on Environmental management & challenges for sustainable development held at M.D. College.
- ✓ Dr. H.Pandit appointed as external referee for M.Phil thesis from Department of Biosciences ,Veer Narmad. South Gujarat University.

- Membership of various committees:
 - ✓ Dr Siby Abraham
 - Advisory Committee, Department of Computer Science, University of Mumbai.
 - PhD Scrutiny Committee, Department of Computer Science, University of Mumbai.
 - Syllabus Committee for MPhil in Computer Science, University of Mumbai.
 - Syllabus Revision Committee, M.Sc. Computer Science, University of Mumbai.
 - Board of Studies, Information Technology, St. Xaviers College, Mumbai.
 - ✓ Ms. Durga Pawar
 - Syllabus Revision Committee, Microbiology, University of Mumbai.
 - ✓ Dr. Suryakant A. Ajgaonkar
 - Sahitya Ved Committee 2011 University of Mumbai.
 - Maharashtra Adhyayan Kendra 2011 University of Mumbai.
 - ✓ Mr. H.S.Kalsi,
 - Syllabus committee T.Y.B.Sc Applied component and M.Sc. Electronics University of Mumbai
 - ✓ Mr. V.S.Upadhyay
 - Vigilance squad, University of Mumbai.
 - ✓ Mr. Yogesh Kolhatkar
 - Ad hoc Committee for Management Studies, University of Mumbai.

- Invited as guest speaker/resource person

- ✓ Dr. Ratna Sharma invited as a resource person by Jhunjhunwala College for TYBA syllabus revision workshop and M.D.College for FYBA Syllabus revision workshop.
- ✓ Ms. D.K.Bhasin invited by Cama Institute of Oriental Studies on the panel of experts for drafting a course on 'Emerging World Religions'. She was also invited by the same institute to deliver a lecture on 'Sikhism'.
- ✓ Ms Deepa Parab invited to judge the inter-collegiate Poster Competition by Acharya Marathe College.
- ✓ Dr. Meeta Rakesh invited to judge the presentations at the inter-collegiate level held at Vivekanand College.
- ✓ Dr. Manoj Mishra invited as a resource person for 'Research Design and Methodology' by NIFT .
- ✓ Dr Siby Abraham
 - Invited to deliver a talk on 'Applications of Bio-inspired Optimization Techniques in Mathematics' at a National Conference hosted by Department of Mathematics, Garhwal University.
 - Invited as a resource person at a State Level workshop on 'Passing NET/SET' organized by Thakur College.
 - Invited as a resource person at the refresher course on 'Advances in Computer Science and its Applications' conducted by Academic Staff College, Mumbai.
 - Invited as a resource person at the refresher course on 'Entrepreneurial and Industrial Biology' conducted at Mithibai College, Mumbai.
 - Invited to deliver a talk on 'Evolutionary Computing and Bioinformatics' by BMN College.
 - Invited to talk on 'Beauty of Mathematics' by Somani College.
 - Resource person for refresher course entitled 'Recent Trends in Computer Science and Information Technology' organized by Academic Staff College.

- ✓ Ms Yogita Shinde invited to conduct a session on SPSS at the two day workshop organized by GNIMS.
- ✓ Dr Aparna Dubhashi invited as a resource person for a two day workshop organized by the Progressive Science Centre for school children.
- ✓ Dr Krupa Purandare invited to judge the elocution competition organized by Marathi Vidnyan Parishad.
- ✓ Dr Shubha Mukherjee was appointed as Subject Matter Expert (SME) for Verbal Section of SAT examination conducted by True North Learning Systems Pvt. Ltd.
- ✓ Mr Allan D'Souza invited by Mithibai College to talk on 'Innovative Teaching Methods in Commerce'.
- ✓ Dr Vibha Gupta invited to speak on 'Biodiversity' at CIRCOT, Matunga.
- ✓ Mr H.S.Kalsi
 - Resource person at E.I Practical for revised syllabus T.Y.B.Sc.
 - Resource person at W.R.I.C, Mumbai University.
- ✓ Ms. Shilpa Bhingarde Walia and Ms. Sneha Panvalkar were invited as resource person at the T.Y.B.Sc revised syllabus workshop held at RJ College.

➤ Internal Resources generated:

GNIRD- workshops and external sample analysis

Name of the Workshop	Revenue (Rs.)
Analytical and Molecular Biology Techniques	95,000/-
Molecular and Computational Biology	1,14,000/-
Workshop on Spectroscopy and Chromatography	1,57,000/-
Workshop on Spectroscopy and Chromatography	1,53,000/-
Stereochemistry	16,000/-
Hands on Training in Bioinformatics	62,000/-
Hands on training in Bioinformatics	21,000/-
External Samples Analysis	1,12,310/-
Total	7,30,510/-



By other departments:

Department	Course /Workshop	Revenue (Rs)
Physics	Embedded Systems	80,000/-
Mathematics & Statistics	SPSS	17000/-
Microbiology	Workshop for school children in Basic Microbiology	5000/-
	Workshop for UG & PG Hands on training in Industrial Microbiology	9500/-
Chemistry	Workshop for MSc students.	12000/-
	Progressive Science center	15000/-
	Total	1,38,500/-

➤ **Community Services:**

Community service is foremost on the agenda of *Khalsaites*, inspired as they are by their motto – Essence of Wisdom is Service to Humanity. Various outreach programs through NCC, NSS and Extension Work Units are carried out in the larger interest of the society.

- NCC cadets
- ✓ Poster competition: theme “My Earth My Duty”, Aug 2010.
- ✓ Seminar and skit by Dr. Payal Rane stressing on noise pollution.
- ✓ Crowd Management during Ganesh Visarjan.
- ✓ Tree Planting Drive in college - Aug 2010, Palghar College- June 2010 and Aug 2010. Blood Donation Camp -August 2010 in the college, Sept 2010 at Thakur College.
- ✓ Awareness campaigns-street play /rally, organized June 2010 for /HIV awareness in college June 2010 against use of tobacco in Palghar, Aug 2010 noise pollution in college.



- ✓ Cleanliness Drive was held in KEM Hospital August 2010, Kelva Beach in Palghar March 2010, Colaba beach in Alibaug April 2011 and Girgaum during oil spillage on August 2010.

- NSS volunteers
 - ✓ AIDS awareness (R.R.C activity) August 2010.
 - ✓ Guest lecture on malaria awareness in the college September 2010
 - ✓ Door to door malaria campaign September 2010.
 - ✓ Malaria awareness rally September 2010.
 - ✓ Essay competition on HIV/AIDS September 2010.
 - ✓ Street play on HIV/ AIDS^t October 2010.
 - ✓ Campaign & street play (on HIV/AIDS) at Karade-Khurd, Panvel October 2010.
 - ✓ AIDS Day/ AIDS rally December 2010 from college to Matunga and five Garden.
 - ✓ Blood donation drive August and December 2010 at college level.
 - ✓ Thalessemia Check-Up camp August 2010 with the co-operation of Sion Hospital and Rotary Club of Worli
 - ✓ Health check- up camp at Karade-Khurd ,Panvel January 2010 where 185 villagers were examined.
 - ✓ Eye check-up camp at Karade-Khurd ,Panvel January 2011 jointly arranged with Rotary Clubs of Worli & Mandi where 12 cataract patients were identified and surgery was performed at Bachivali Eye Hospital ,Parel, Mumbai .
 - ✓ AIDS awareness program December, 2010 together with Women Cell Dr.Sandhya from Vedanta Foundation, Bhayander ,was the main speaker .

➤ **Teachers and officers newly recruited:**

Teaching staff (Aided section) appointed as Assistant Professor: 07

Name	Subject
Ms Manisha Saidane	History
Dr Poonam Agarwal	Physics
Ms. Richa Agarwal	
Mr. Sameer Velankar	Commerce
Ms Deepti C. Deshpande	Zoology
Dr Ranjeet Kaur Bajwa	Chemistry
Dr Priti Khedkar	

Staff (Self financed): 08

Name	Subject
Ms. Rashmi Pandit	Commerce
Mr. Kapil Bhopatkar	
Ms. Priya Thapar	
Ms. Shweta Deshmukh	
Ms. Zafrin Menon	
Ms. Jasma Thakkar	Biotechnology
Dr. . Aruna Inamdar	
Ms. Priyanka Dave	

➤ Teaching and Non-Teaching staff ratio

- Aided:

Total number of teaching staff: 73

Total number of non teaching staff: 89

The ratio is: 1: 1.21

- Self financed : Total number of teaching staff: 36

Total number of non teaching staff: 46

The ratio is: 1:1.27

➤ Improvement in library services:

College has become member of UGC INFONET Nlist program and faculty and researchers got access of e- resources (including more than 5000 e -journals and 51000 e -books) in the first phase and gradually it will be made available to students.

The subscription was started for the journal New Botanist

149 rare books of History and Economics were digitized.

The students are oriented at the beginning of every year about the services of the library.

➤ New Books/Journals subscribed & their value:

- Total amount spent:

Budget Allocated in rupees (Aided)	3, 60,000
Amount Spent	3, 68,573
Budget Allocated in rupees (Self financed)	4, 10,000
Amount Spent	4, 68,527



- No. of books purchased:

Section	Title	Total
Aided	547	789
Self financed	440	782

➤ **Assessment of teachers and action taken:**

Student assessment of teachers has been introduced in all the courses. Regular feedback in the form of TAQ's is taken from the students which are analyzed by a special committee formed for the said purpose. The report of the analysis is discussed by the Head of the Department with the concerned teacher and strategies to improvise upon the teaching methods are decided.

➤ **Unit Cost of Education:**

Senior college(Approximate) :

1	Total expenditure during the year	Rs.77,513,872.00
2	Cost per unit	Rs.33,396.76
3	No .of students during the year	2321

Self financed (Approximate):

1	Total expenditure during the year	Rs.28,469,662.00
2	Cost per unit	Rs.23,374.11
3	No .of students during the year	1218

➤ **Computerization of administration and process of admissions and examination results, issue of certificates:**

The routine work of administration, admissions, examination results, issue of certificates is totally computerized.

➤ **Increase in infrastructural facilities:**

- Three ICT enabled classrooms have been added with recording facilities.
- A classroom has been converted into state of art Molecular Biology Laboratory.
- A new Examination room with computers, printers and photo copy facilities has been established.
- The Arts Faculty has been provided with ICT enabled small seminar room.
- A new office has been set up for the Director of GNIRD.
- The College Hall and the stage have been revamped with fans, lights, 250 chairs and named after the alumnus, the legendary actor Mr. Dilip Kumar.
- A new staff room has been provided to the Biotechnology Department.
- The Counseling cell has been relocated near the library and provided with three computers.
- There has been a tree planting drive for the beautification of the college quadrangle and garden.
- The contract for housekeeping has been renewed.
- Additional water storing facilities along with a ring well have been installed.

➤ **Computer and internet access and training to teachers and students:**

Junior college teachers were imparted training by the Computer Science & I.T department teachers in the Basic MS Office 2007.

Computers are made available with internet access to teachers and students.

➤ **Technology upgradation, computerization:**

Following hardware, software and ICT accessories were added:

	Upgradation	Department
Hardware	Computers	CS and IT (35), Biotechnology (1), Microbiology (2), Botany (2), Chemistry (3), GNIRD (27).
	Upgradation	History
	Laptops	Zoology (1), Botany (1), Library (2), GNIRD (1).
	LCD projectors	Zoology (1), Biotechnology (1), Economics (1), Library (1), GNIRD (4).
	Printers	Biotechnology (1), Commerce (1), Chemistry (2), GNIRD (3).
	Miscellaneous	Library (1 paper cutting machine), GNIRD (3 podia)
Software	Philosophy	Upgraded to Windows 2007
	CS and IT	Purchased e-learning CD s on C++, Java, VB.Net, Algebra & Calculus, Data structures, Discrete Math's
	History	Purchased CDs on curriculum related material
	Botany	Purchased package for Spectrophotometer
	Maths & Stats	MATLAB was installed in the Departmental computers
	Library	Two new modules (Web utilities and Tools) were added in the Library Management Software SLIM21 to import bibliographic details of the book from Amazon and other book sites. College became member of UGC INFONET Nlist program and faculties and researchers got access of e resources (including more than 5000 e journals and 51000 e books) Library digitized 149 rare books of Economics and History.
	GNIRD	SPSS: Statistical analysis software for complex statistical operations like ANOVA. Cost Rs. 5,69,787/- Schrödinger: Software for assisting in molecular modeling and molecular docking. Cost Rs. 7,68,000/-

➤ **Financial Aid to Students through students' welfare funds:**

Category	Amount (in Rs.)
Aided section	79,570
Aided section - sports	75, 140
Self financed section	1, 29, 315
Self Financed section - sports	93, 310

John and Editha Kapoor Scholarship

Name of the Project	No. of Participants	Amount (in Rs)
Slum Literacy Project	19	2,25000
Helping hand project & project at 'Human Rights Law Network'	17	2,55,000

➤ **Activities and Support from Alumni Association:**

The Alumni Association actively extends support to the college in both cash and kind. Most of the alumni very ardently guide the present students on various issues. Academic e and career guidance comes ready at hand and with a zealous ardor. The Alumni Association felicitated veteran actor Dilip Kumar, an alumnus on his 88th birthday. On this occasion a blood donation drive was organized. A hockey match between alumni and present students was also organized. An alumnus has started John and Editha Kapoor Scholarship for the needy and meritorious students

➤ **Activities and Support from Parent-Teacher Association:**

Regular parent- teachers meetings are arranged at least twice a year by every department. The parents are briefed on their wards attendance, performance in class tests, and such other matters. A feedback is solicited from the parents. The interaction helps to identify students who require counseling and correction. The follow up is taken



at the departmental level throughout the year. Some parents even sponsor the needy students.

➤ **Health Services:**

A free eye check up camp was jointly organized by staff council along with NSS Unit. A free medical checkup was organized by staff council through Dr. Tulsi Manek, the alumnus of the college at his Nursing Home in Chembur.

- Contribution of NSS with respect to Health Services
 - Blood Donation Drives
 - Thalassemia Detection Camp
 - Malaria awareness drive
 - AIDS awareness program

➤ **Performance in Sports Activities:**

- A mega sports event was held from 10th to 18th January 2011. The highlight of the event was Mumbai university being crowned the champions of the inter university hockey tournament wherein 10 students of our college represented Mumbai University.
- The Senior college fielded 39 teams both boys & girls in 23 inter college competitions conducted by the University of Mumbai.
- In the Mumbai University Inter college Championship, 6 teams secured First position, 5 teams Second position and 4 teams Third position.
- There were 5 individual medal winners .The college received 51 gold medals, 62 silver medals & 27 bronze medals in the inter college competitions of the Mumbai University.
- 2 students were selected to play at the international level, 45 students participated at the National & All India Inter University level and 20 students participated at the State & Ashwamedh competitions.

- Mumbai university championships 2010 – 11

Winners

- ✓ Athletics – boys
- ✓ Lawn tennis – boys
- ✓ Volleyball – girls
- ✓ Volleyball – boys
- ✓ Ball badminton – boys
- ✓ Rifle shooting (air pistol) - girls

Runners up

- ✓ Football – boys
- ✓ Hockey – boys
- ✓ Hockey – girls
- ✓ Rifle shooting (open sight) – boys
- ✓ Rifle shooting (open sight) - girls

3RD PLACE

- ✓ Athletics – girls
- ✓ Rifle shooting (peep sight) – boys
- ✓ Rifle shooting (peep sight) – girls
- ✓ Cricket – girls



Individual medal winners

- ✓ Cross country - boys
- ✓ Athletics – boys & girls
- ✓ Boxing – boys
- ✓ Rifle shooting (air pistol) – boys
- ✓ Taekwondo – boys & girls

Incentives to outstanding sports persons:

- Free international standard infrastructure for training.
- Free infrastructure, standard coaching by NIS certified coaches of
- International & national repute all year.
- Free international standard kit (sports gear) for the college team members.
- Allowances (TA/DA) to students participating in the inter college sports events.
- Scholarships to sports students participating at the international, national, state level and inter university competitions.
- Most of the coaches accompany the various teams at the university, interuniversity and national level competitions.

➤ Students' achievements and awards:

- **University Rank**

T.Y.B.M.M	First	83.25%
	Third	80.33%
M.Sc. Biotechnology	Third	77.5%



- Achievements at University Youth Festival (2010-2011)

Events	Prize
Folk dance	1 st
Marathi one act play	2 nd
Marathi skit	2 nd
Indian group song	3 rd
Indian classic vocal	3 rd
Classical instrumental percussion	3 rd
Western group song	3 rd
Cartooning	Consolation Prize

The Sports achievements of our students have been noteworthy and they been included in the sports activities section.

➤ **Activities of the Guidance and Counseling Unit:**

Four orientation programs were conducted. Counseling was given to thirty one students. Talks on Stress Management and programs on Time Management were conducted.



➤ Placement services provided to students:

Name of Company	Total No of Students	Department
Wipro BPO	2	Computer Science
	4	Information Technology
	7	Commerce
Patni Computers	2	Information Technology
L&T	2	
J.P. Morgan	17	Commerce
Edelweiss Capital Ltd.	23	
TCS	23	
Nokia	12	
Blackberry	5	
P.G. London	5	
Ad Agency	2	
View Point	1	
HT Media Sales	1	
Cabin Crew	1	
PR Agency	1	
Iron Industry	1	
North Point	1	
Harbor Front Production House	2	
NGO Film Society	4	
Bates	1	
Manipal University	1	
Dubai PR Agency	1	
Louee	1	
IMC New Delhi	1	
Midday Reporter	1	



Name of Company	No of Students	Department
Aramuc Scientific	1	Bioanalytical Sciences
Mangal Anand Hospital	1	
Geochem	1	
Acutest	1	
NIRRH	1	
G N Khalsa	1	
Reliable Analytical Lab	1	
Shimadzu	1	
Mayfair clinical Edu. & Res.	1	
DMRI	1	
U.S Immigrated	1	
Ashco	1	
Mangal Anand Hospital	1	
Colgate	1	
Homi Bhabha Centre	1	
Macleods	1	
Unichem Lab.	1	
Gumpro Drilling Fluids	1	
GNIRD	1	
Bombay College of Pharmacy	1	

➤ **Development programs for Non Teaching Staff:**

Members of the library have actively involved themselves in updating their knowledge and majority of them are computer literate.

Name	Workshops/Seminar attended
Mr. Ramesh K. Kamble	Presentation given on "Communication Skills with Library Users". "Digital Objects and Metadata: Preservation, Harvesting And Migration'." IGIDR, Mumbai. 3 rd National Seminar & Research Conference on Library: "A Temple of learning & Knowledge House" Guru Nanak Institute of Management Studies.
Mr. M.D. Kolhe	Practical demonstration given on the topic "How to increase the life of Books (Books binding Skills)"
Mr. S. R. Auchar	"Workshop on Practical Knowledge for Daily Life" Organized by Guru Nanak Institute of Management Studies.
Mr. S. N. Jadhav	
Mr. Baba Salve	
Ms. Rohini J.Khade	

Non teaching staff from science departments who have attended workshops/training programs

Name	Department
Mr A.P.Tiwari	Chemistry
Mr. Jayaram Dhanawade	Zoology
Mr. C.G. Sawant	Zoology
Mr. Prakash Gaikwad	Botany
Mr. Chandrakant Lale	Physics



Since last year Best Employee Award is being given to the non teaching staff member who has worked efficiently.

Non teaching welfare association is continuing its efforts to improve the condition of its members by providing financial loan in times of difficulties.

Organization of Satyanarayan Pooja , annual picnic and such activities have developed a team spirit among the non teaching staff.

➤ **Healthy Practices of the Institution:**

- **Energy Audit :**
An energy audit was conducted to explore possibilities of reducing energy consumption. A comprehensive analysis was done. Specific energy consumptive figures were devised for bench marking.
- The Staff Council conducted guest lectures on - Safety measures in a fire emergency, Prevention of suicides' and Stress management to create awareness among staff.
- In order to face the challenges of today's competitive world the college organized various seminars for the preparation of entrance examinations for going abroad for higher studies as well as for UPSC, CAT, CET examinations, etc.
- Remedial Coaching is provided to help weak students and slow learners to understand the subject better and improve their performance.
- Almost all the departments conduct lectures for TY classes in the month of April to reinforce their basics.
- A month long workshop on communication skills was conducted by Ms. Archana Krishnan for T.Y students during the summer vacation. A workshop was conducted on personality development by Ms. Neha Mathur at GNIMS for all the graduating students.
- Academic and industry interaction: Industrial visits /field visits are organized to give practical exposure to students. Students are also encouraged to participate in inter collegiate activities, seminars and competitions.

- The Economics department has associated itself with the Economics club with the view of giving practical exposure to students.
- T.Y.B.A. (Marathi) students visited the 'Asiatic Library' in Fort - Mumbai on 26th June 2010, with the faculty. F.Y.B.A, S.Y.B.A. & T.Y.B.A (Marathi) students visited P.L. Deshpande Cultural Centre, Prabhadevi -Mumbai on 13 August 2010. During this visit the students received information on Drama, Theatre and appreciated the Books and other collections of P.L. Deshpande.
- The History department organized several visits for students: -Raigad an important historical site, The Asiatic Society, Nehru Science Centre, The Alkesh Dinesh Mody Institute and Numismatic Museum at the University of Mumbai and Dr. Bhau Daji Lad Museum .
- Selected T.Y.B.Sc. (Microbiology, Biotechnology & Bioanalytical Sciences) students visited ACTREC , New Mumbai on the Open Day in December, 2010.
- To encourage teachers to use the technology available, a presentation was made to the teachers of our college on- How to utilize the PowerPoint Presentations as effective teaching aids .
- Academic Audit is essential to identify the strength and weaknesses of the department and an effort in this direction has been made by the Microbiology department. The department was audited by Dr, Jayashree Phadnis , Principal, Swami Vivekanand College and Mrs Anjali Muzumdar, Retd. Vice Principal, Somaiya College and chairperson, BOS, Microbiology in December 2010.
- Participation in programs like Akhand Path and Langar gives an opportunity to serve the community.
- Through the NSS, NCC and Extension work units' students are being made socially conscious and responsible. It also inculcates a spirit of team work, unity, discipline.
- Counseling and Career Guidance Cell is guiding students throughout their study at the institute, providing appropriate assistance at each stage of the student's career.

- Regular lectures have been organized for all the classes to provide them guidance on How to manage Examination stress, Time management etc along with personal counseling whenever required.
- Scholarships are provided to needy students. There are also scholarships which have been provided on merit cum means basis. Scholarships are provided by the management to the University rankers.
- Scholarship instituted by Gunwanthi Kapoor foundation provides financially weak students with a good academic record an opportunity to earn during the vacation by involving themselves in a social project of spreading awareness among the people like literacy program, cancer awareness program, human rights awareness etc. Such exposure has been highly rewarding.
- There is healthy interaction among all the stake holders: parents, students, teachers and the Management.
- Alumni Association contributes effectively towards the growth of the institution.
- The college provides premises (free of cost) to conduct music classes on Sundays, which is open to all.
- Sports facilities are made available to school children during vacations.
- Programs are also conducted for school children by various departments.

➤ **Linkages developed with National / International, Academic / Research Bodies:**

The college has two collaborating research programs as mentioned previously.



PART C

The college plans to work towards achieving the following in the next academic year:

- To have academic audit for all the departments and support service audit.
- To increase the number of value added and add on courses like career oriented programs, RFID & Integral Automated Systems and Data Analytics.
- Promotion of research activities in various departments.
- To improve teaching-learning process by inculcating ICT enabled pedagogy.
- To effectively implement the Credit System proposed by the University of Mumbai.

Name & Signature of the Coordinator, IQAC

Name & Signature of the Chairperson, IQAC

