



**THAKUR COLLEGE OF SCIENCE & COMMERCE**

Shamnarayan Thakur Marg, Thakur Village, Kandivli (E.), Mumbai 400 101

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**Annual Quality Assurance Report (AQAR)**

**Year of Report: 2005-2006**

**THAKUR COLLEGE OF SCIENCE & COMMERCE**

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**Name of the Institution:** THAKUR COLLEGE OF SCIENCE & COMMERCE

**Year of Report:** 2005 -2006

**Part A:**

**Plan of action of IQAC and its fulfillment at the end of the academic year:**

1. The College is looking forward for ISO 9001:2000 certification.
2. The College is looking forward for the permanent affiliation of the University and U. G. C. recognition in due course of time to acquire the status of Autonomous College.

**Part B:**

**1. Activities reflecting goals and objectives of the Institution:**

Thakur College of Science & Commerce was established in 1997, which currently the largest unaided institution of the state of Maharashtra with B grade of NAAC. The college is expanding academically as well as infrastructurally. Various different professional courses were started which was supported by excellent staff and a progressive management. In the time span of 9 years, the college has achieved laurels in the fields of academics, co curricular and extra curricular activities like Sports, N.C.C., N.S.S. and Cultural. TCSC aims at imparting quality education to its 4429 students and to help them become upstanding and responsible human beings & citizens. .

**2. New academic programmes initiated ( UG / PG):**

T. Y. B. Sc. (Biotechnology) as natural growth

**3. Innovations in curriculum designing and transaction:**

The syllabus is designed by the Board of Studies, University of Mumbai. Hence there is no scope for the lecturers to design the syllabus but some of the staff members are a part of the Syllabus Committee to contribute for framing of the syllabus.

Lecturers adopt innovative methods such as OHP, Charts, Projects, Working Models & LCD presentations to present the topic to the students so that syllabus can be covered in effective and efficient way. Extra lectures are engaged, if required, to make the concept clear to the students, as and when required.

We invite expertise from the industries and companies to deliver guest lectures so that we can develop contacts with leading industries and companies.

4. **Inter-disciplinary programmes:** Nil.

5. **Examination reforms implemented:**

During the academic year 2004 – 2005, alterations and reformations are made, which are continued in the academic year 2005 - 2006. The A.T.K.T. examination for the second term was conducted in the month of January 2006 and results were declared before commencement of regular university examination.

The facility of obtaining photocopies of assessed and \ or moderated answer book\s by the examiner\s is \ are extended with a view to bring transparency in the examination system and ensure its credibility as per the instructions received from the University.

6. **Number of candidates qualified (NET /SET)**

Number of NET qualified candidates: Nil

Number of SET qualified candidates: Nil

7. **Number of seminars / workshops conducted:**01/01

This year following major activities were conducted by the college.

(A) Department of Mathematics organized a symposium on “Algebraic Number Theory” on 17<sup>th</sup>, 18<sup>th</sup> & 19<sup>th</sup> November, 2005.

(B) Two days workshop organized by Department of Zoology on Aquaculture- options and opportunities” on 25<sup>th</sup> & 26<sup>th</sup> April 2006.

The Guest of Honor was Dr. S.A. Suryavanshi, Vice-Chancellor, Ramanand Tirth Marathwada University, Nanded. The workshop was attended by 56 delegates from various colleges.

8. **Research projects:**

The staff members have taken up minor research projects funded by the University of Mumbai for the academic year 2005 – 2006. The projects are as follows –

- (a) “Rare earth supported catalyst”; Mrs. C.T.Chakraborty, Dept. of Chemistry

(b) “EPR investigation of propylene diaammonium cadmium chloride single crystals”; Dr.(Mrs.) Lakshmi Kasturi, Dept. of Physics

(c) “ The problems of absenteeism in degree commerce college of University of Mumbai”; Mr. Manoj Mishra, Dept. of Mathematics

9. **Patents generated:** Nil

10. **New collaborative Research programmes:**

The Chemical Research centre at TCSC carry out various contract research projects for the industries, both from India and abroad. Companies from Europe have funded projects, which have been completed successfully.

11. **Research grants:**

<b>Sr. No.</b>	<b>Title of the Project</b>	<b>Investigator</b>	<b>Amount (Rs.)</b>
1	Rare earth supported catalyst	Mrs. C.T.Chakraborty	10,000 / -
2	EPR investigation of propylene diaammonium cadmium chloride single crystals	Dr.(Mrs.) Lakshmi Kasturi	35,000 / -
3	The problems of absenteeism in degree commerce college of University of Mumbai	Mr. Manoj Mishra	20,000 / -

12. **Number of Research scholars:**

1. Faculty members involved in Minor Research Projects – 03
2. Faculty members pursuing Ph.D. – 04
3. Faculty members Pursuing M. Phil. – 02

13. **Citation index of faculty members and impact factors:** Nil

14. **Honors / Awards of the faculty:** Nil

15. **Internal resources generated:**

We have self financing courses like Computer Science, Information Technology Biotechnology, through which funds are generated. We appoint lecturers from various departments in the College, in the concerned specialized area, along with the Guest lecturers for the self financing courses for optimum utility of the knowledge of the Faculty.

16. **Details about SAP / COSIST / DST / FIST etc.:** Nil.

17. **Community services:**

1. **WADA CAMP:** The NSS Unit has worked in collaboration with Shri Satya Sai Seva Organisation for the upliftment of Sai Devli village. The camp was held on the 2<sup>nd</sup> Sunday of every month and six camps have been tree Plantation, Distribution of Provisional goods, Balvikas teaching sessions, and medical camp.
2. **MEDICAL CAMP (MALAD):** A Medical camp was held at Sai Municipality School at 'Appapada' (Malad) organized by the Shri Satya Sai Seva organization. 19 volunteers from NSS Unit of TCSC participated in the camp held on 7<sup>th</sup> August.
3. **EDUCATIONAL VISIT TO PUTTAPARATHI, A.P.:** The NSS Unit in collaboration with Sri Satya Sai Seva organization visited 'Puttaparathi' in Andhra Pradesh from the 15-20 August, 2005. There were 32 students who were accompanied by the Programme Officer and the Principal. The volunteers attended 'International Conference on Education'.
4. **THALESSAEMIA DETECTION CAMP:** Thakur College NSS Unit and Lion's Club member Mr. Balram Kukreja of Mumbai (Kandivali) in collaboration organized camps for Thalesaemia Detection for the past three years 2002-03, 2003-04, lecture on Thalesaemia to create awareness prior to the camp held on 5<sup>th</sup> September 2005.
5. **BLOOD DONATION CAMP:** The NSS Unit carried out a Blood Donation Camp in the college on 5<sup>th</sup> September 2005 in collaboration with Prabodhan Blood Bank. There was a tremendous response from the students in the form of 87 units of blood being collected.
6. **BLOOD DONATION CAMP:** The Blood Donation Camp was organized by Shri Satya Sai Seva Organisation in the campus of Don Bosco High School on 27<sup>th</sup> November, 2005. The volunteers carried out the registration process and also controlled the crowd and guided the donors regarding other details related to blood donation.

18. **Number of teachers and officers newly recruited:** 18

19. **Teaching and non teaching staff ratio:** 86:46

20. **Improvements in the library:**

#### **Total Area**

Main Library	7510 sq.ft.
Computer Library	740 sq.ft.

#### **Reading Area**

Main Library	6823 sq.ft.
Computer Library	595 sq.ft.

**Circulation Area**

Main Library	407 sq.ft.
Computer Library	40 sq.ft.

**Stack Area**

Main Library	280 sq.ft.
Computer Library	105 sq.ft.

**Total Seats**

Main Library	660
Computer Library	48

**Expenditure on Books** : 11,92,462/-

**No. of Books Purchased** :

Text Books	942
Other than text books	3319
Total	4261

**No of CDs Purchased** : 216

**Book Bank Scheme** : Yes

**University Book Bank Scheme** : Yes

**Total No. of Magazines and Journals :**

Journals	18
Magazines	32
Total	50

**Total No. of Newspapers** : 07

**21. Students' feedback:**

We have students' feedback mechanism, where we take feed back from the students for all the faculty members, at random. All the forms are collected and scrutinized by the feed back committee and scores are noted down. The scores are informed to the concerned staff members by issuing a letter from the Principal. The concerned staff members are being given guidelines from the Principal or senior staff member, if required.

**22. Unit cost of education:** Rs. 6674 / - per student

**23. Computerization of work:**

1. Admission process
2. Notices
3. Letter Correspondence
4. General Register
5. Examination Process
6. Accounts and salary etc.

**24. Infrastructure facilities:**

- Research Center for Physical, Chemical and Biological Sciences
- Presentation Room
- Main and Computer Libraries
- 45 Class rooms
- Fully Equipped Laboratories
- Separate working area for self financing courses like Information Technology and Computer Science.
- Separate Staff rooms for Science And Commerce faculty
- Seminar Hall
- Net Campus Room
- Conference Hall
- Waiting lobby
- Spacious open quadrangle
- Lawn
- Play Ground
- Gymkhana
- Canteen
- Parking Place
- Garden lobby
- First Aid cum Counseling Center
- Digital Library

**25. Technology up gradation:**

1. Research – The Research laboratories have been provided with required latest facilities like Laminar Flow, Shakers, and Distillation Unit etc.
2. Presentations – The facility of Smart Board is provided for Audio-Visual presentations. There is a separate Presentation Room with all Audio Visual facilities to cater the needs of the students at the third year level or from the self financing courses.
3. OPAC System – OPAC System is installed in the Library for efficient and effective working of the Library.

4. Inter Net Connection – There are three broad band lines of 512 kbps. Provided in Post Graduate section, Internet Room and Other Computer Laboratories. A separate Inter Net Room is provided to the students and faculty for communication and up gradation.

**26. Training and access of internet to the staff and students:**

We have a separate Internet Room with 32 computers, which works from 9.30 a.m. to 5.00 p.m. Students and Staff Members can avail the facility as and when required.

**27. Financial aid to the students:**

Some poor and needy students can not pay the fees at once; College provides them with the facility to pay the fees in installments. For some students the Management provides assistance to pay the fees or they have been given free ships. There are various Special Prizes sponsored for the Academic Toppers.

**28. Alumni activities:** Nil.

**29. Parents Teachers Association (PTA):**

We are in contact with the parents to inform them about the progress of their wards on regular basis. We send the letters from the College to make them aware about the attendance, their performance in examination and weekly tests etc. Parents Teachers meetings are conducted on regular basis to have one to one correspondence. During these meetings the Principal addresses the parents but class Teachers and other Staff Members are continuously maintain the pace with the students for smooth conduct of the College.

**30. Health services:**

- (a) A Medical camp was held at Sai Municipality School at ‘Appapada’ (Malad) organized by the Shri Satya Sai Seva organization. 19 volunteers from NSS Unit of TCSC participated in the camp held on 7<sup>th</sup> August.
- (b) Thakur College NSS Unit and Lion’s Club member Mr. Balram Kukreja of Mumbai (Kandivali) in collaboration organized camps for Thalesaemia Detection for the past three years 2002-03, 2003-04, lecture on Thalesaemia to create awareness prior to the camp held on 5<sup>th</sup> September 2005.
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### **31. Performance in sports:**

Our College has been placed at the 14<sup>th</sup> Rank in the University amongst all the colleges of the University.

Hattrick!!! Yes our college volley ball team did it when they bagged the championship trophy 2005-2006 in the Inter Collegiate Volleyball Tournament organized by Mumbai University.

1. Shivram Gawade and Sushant Shetty won gold medal in boxing at the InterCollegiate Boxing Tournament.
2. Jitendra Khambal was selected for the National team.

### **32. Incentives to outstanding sportsperson:**

They have been given cash incentives according to their performance. They are entitled for the sponsored cash prizes. Along with that they have been given relaxation in their attendance for the lectures and / or practicals as per the provision of the University norms. They are provided with the extra and remedial coaching, if required.

### **33. Students' achievements and awards:**

Ms. Manasi Sharma won 2<sup>nd</sup> prize at national level for her essay and also participated in R.D. PARADE on the **RAJPATH** on 26<sup>th</sup> January 2005. She was selected for the 'Common-Wealth Youth Programme', held in Islamabad, Pakistan organized by Ministry of Culture, Sports and Youth Affairs, Government of Pakistan. She was also selected as the best NSS volunteer at the state level.

### **34. Guidance and counseling unit:**

We provide services of professional counselors to the students. The activities include –

1. Career guidance and counseling
2. Training for MH-CET and AIEEE
3. Guidance for admission to the Foreign Universities

### **35. Placement services provided to the students:**

The College has Training & Placement Cell (TPC) functioning from June 2004. The objective of the Cell is to fetch good opportunities to the students for which, they are to be trained. The Cell tries to contact companies and organizations in different sectors, where the students can choose their career for better future prospects.

This year we have contacted companies like J. P. Morgan Chase, Tech Mahindra, Infosys, TCS, Zenta technologies, WIPRO, Deutsche Bank, India Bulls etc. to place our students. 125 students enrolled in TPC to avail the facility, out of which we placed 45 successfully.

**36. Development programmes for non-teaching staff:**

Following programmes were organized for development of the non-teaching staff -

1. Computer Training for up gradation of technical knowledge
2. Meetings with the Principal and Academic Advisor to keep them aware of the happenings in the College viz. NAAC, ISO Certification etc. to ensure them about their contribution and responsibility.

**37. Any other relevant information: Nil.**

**Part C: Plan of the Institution for next academic year (2006 – 2007):**

The College has completed 10 years of its existence and wishes to get into the phase of development from the phase of establishment. Hence, the College has decided the following goals for academic year 2006 – 2007:

1. Keen academic orientation of the students to concentrate on the merit along with the overall development of the personality.
2. Enhancement of the research and research oriented activities for the teaching staff and the students.
3. To go for permanent Affiliation for 12 B & 2F.
4. College has planning to start post graduate section in science ( M.Sc.- Organic Chemistry ) & Commerce (M.Com.-E-Commerce)

PRINCIPAL  
Mrs. C. T. Chakraborty