



**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: 2004-2005**

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

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**Part A:**

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

1. Thakur College of Science & Commerce is planning to go for ISO certification to get perfection in the academic as well as administrative work.
2. To impart quality education for the student, college has decided to start short term courses like Fashion designing, Certificate courses in computers etc.
3. College is planning to start new course BIO-TECHNOLOGY from the next academic year.

**Part B:**

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

Thakur College of Science & Commerce (TCSC) was established in 1997, which currently the largest unaided institution of the state of Maharashtra with B grade of NAAC. The college is growing by leaps and bounds in various areas of infrastructure, courses, and placements; supported by excellent staff and a progressive management. In the time span of 6 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 holistic and quality education to its 3968 students and to help them become upstanding and responsible human beings & citizens.

College has taken the initiative of training and preparing students for the IIT entrance exam and as a result quite a few students have been successful in the IIT entrance exam and have taken admission in various IIT's all over India.

College having centre for IAPT-NGPE (physics) exam. Students prepared for exam and as a result a few students stood first among the centre as well as state level.

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

**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 and they contribute in framing the syllabus for various subjects.

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.

We invite experts from the industries and various other fields to deliver guest lectures so that the students can understand the practical aspects of a subject along with the theoretical part. It also helps us in developing contacts with leading industries and other organizations.

**4. Inter-disciplinary programmes:**

Interaction with Pakistani delegates on “Indo-Pak relations and peace process-An Overview” on 10<sup>th</sup> Feb. 2005. The objective of the Indo-Pak Youth Forum is to further consolidate peace initiation and promote peace and harmony.

**5. Examination reforms implemented:**

During the academic year 2003 – 2004, alterations and reformations are made, which are continued in the academic year 2004 - 2005. The A.T.K.T. examination for the second term was conducted in the month of Feb. 2005 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: 0

Number of SET qualified candidates: 0

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

A regional symposium organized by department of Physics on the occasion of World Year of Physics on 11 & 12 March 2005 titled “Fifty Years after Einstein: Some Fundamental topics in Physics.

**8. Research projects:**

The staff members have taken up minor research projects funded by the University of Mumbai for the academic year 2004 – 2005. The projects are as follows –

- (a) “Design, Synthesis and Biological screening of some new Quinazolone Derivatives” by Dr. C. T. Chakraborty, Dept. of Chemistry
- (b) “A study on the selective precipitation of some transition metal ions” by Dr. S.D. Ajagekar, Dept. of Chemistry
- (c) “Synthesis of conducting polymers for the development of all polymer Batteries”; by Mr.Gitesh G. Padhye, Dept. of Physics
- (d) “In Vitro regeneration of endangered plants of medicinal value” by Mrs. Dr.Ajita Kumar, Dept. of Botany
- (e) “Screening of endomyeorhizal and endophytic fungal association of Trigenella Species of Mumbai Coast” by Dr. Mrs. Beena Kumari, Dept. of Zoology
- (f) “Influence of Physico-chemical characteristics of water on the diversity of Plankton in Bassin creek” by Dr.Mrs. Shirley Agwuocha, Dept. of Zoology

**9. Patents generated:** Nil**10. New collaborative Research programmes:**

To pursue the experimental and theoretical research, college has opened a Research and Development centre. The centre was inaugurated by Dr.Vijay Khole, Hon’ble Vice-Chancellor, University of Mumbai on Monday, 30<sup>th</sup> August 2004. Six lecturers are working in the area of Biological sciences, Physical Sciences and chemical sciences.

**11. Research grants:**

Sr. No.	Title of the Project	Investigator	Amount (Rs.)
1	“Design, Synthesis and Biological screening of some new Quinazolone Derivatives”	Dr. Chaitaly Chakraborty	10000
2	“A study on the selective precipitation of some transition metal ions”	Dr. S.D. Ajagekar	5000

3	“Synthesis of conducting polymers for the development of all polymer Batteries”	Mr.Gitesh G. Padhye	35000
4	“In Vitro regeneration of endangered plants of medicinal value”	Dr.Ajita Kumar	30000
5	“Screening of endomyeorhizal and endophytic fungal association of Trigenella Species of Mumbai Coast”	Dr. Mrs. Beena Kumari	20000
6	“Influence of Physico-chemical characteristics of water on the diversity of Plankton in Bassin creek”	Dr. Mrs. Shirley Agwuocha	15000

**12. Number of Research scholars:**

1. Faculty members involved in Minor Research Projects – 06
2. Faculty members pursuing Ph.D. – 04
3. Faculty members Pursuing M. Phil. – 00

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

**14. Honors / Awards of the faculty: 03**

1. Mr.Sushil Shinde was awarded Best NSS Programme Officer at District level for the year 2004-05 by University of Mumbai.
2. Mr.Sushil Shinde was awarded Best NSS Programme Officer at University level for the year 2004-05 by University of Mumbai.
3. Mr.Sushil Shinde was awarded Best Programme Officer at State level for the year 2004-05 by Government of Maharashtra.

**15. Internal resources generated:**

We have self financing professional courses like Computer Science, Information Technology, which generates funds for providing infrastructural and other facilities to the students.

We appoint lecturers from various departments in the College, in the concerned specialized subjects and also invite guest lecturers and visiting faculty members for catering to the needs of the students of these specialized courses.

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

**17. Community services:**

- (a) The N.S.S. Unit of our college arranged an education and medical camp at Wada on 9<sup>th</sup> Jan.2005. N.S.S. and non N.S.S. volunteers along with N.S.S. programme officers, Principal and Teachers participated in this camp.
- (b) N.S.S. Unit carried out a blood donation camp on 15 December 2004 in collaboration with Sion Hospital and also collected sample of the blood for Thalesaemia testing on the respective days.
- (c) The N.S.S. unit also works for AIDS awareness by distributing HIV/AIDS related pamphlets, books etc among people of Samata Nagar area, Thakur village and also conducted and Awareness Rally in the neighbouring areas.
- (d) N.S.S. Unit had jointly organized training workshop on HIV/AIDS for the programme Officers on 10<sup>th</sup> Dec. 2004.
- (e) N.S.S. Volunteer Ms.Mansi Sharma attended the Youth Convention & youth festival at Hyderabad organized by Ministry of Youth Affairs & sports.

**18. Number of teachers and officers newly recruited:** 34

**19. Teaching and non teaching staff ratio:** 77:42

**20. Improvements in the library:**

### **Total Area**

Main Library	3000 sq.ft.
Computer Library	740 sq.ft.

### **Reading Area**

Main Library	2393 sq.ft.
Computer Library	595 sq.ft.

### **Circulation Area**

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

### **Stack Area**

Main Library	200 sq.ft.
Computer Library	105 sq.ft.

**Total Seats**

Main Library	264
Computer Library	48

**Expenditure on Books** : 7,37,810/-

**No. of Books Purchased** :

Text Books	899
Other than text books	2249
Total	3148

**Book Bank Scheme** : Yes

**University Book Bank Scheme** : No

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

Journals	8
Magazines	9
Total	17

**Total No. of Newspapers** : 6

**21. New arrivals in the library:**

**Total No. of Magazines and Journals: 17**

**Total No. of Newspapers** : 06

**22. Students' feedback:**

We have a system of students' feedback which includes areas like faculty, courses and infrastructure. On the basis of this feedback which is collected from the student on a regular basis required changes and development is made for the betterment and benefit of the students.

In case of faculty feedback the concerned persons are provided with the results of the student feedback by the Principal in the form of official letters. If and when required the faculty members are given guidance, advice and suggestions by the Principal and the Head of the departments.

**23. Unit cost of education:** Rs. 7000/- per student

**24. Computerization of work:**

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

**25. Infrastructure facilities:**

- Research Center for Physical, Chemical and Biological Sciences
- Presentation Room
- Main and Computer Libraries
- 54 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

**26. Technology up gradation:**

1. OPAC System – OPAC System is installed in the Library for efficient and effective working of the Library.
2. 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.



3. Computers and LCD Projectors – We have nine computer Laboratories with latest configuration. The College has five LCD Projectors.

**27. 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.

**28. 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.

**29. Alumni activities:**

The college has formed an Alumni Association which consist of staff members and number of Alumni students of our college. This association helps the college in organizing different activities such as cultural, sports, N.C.C., N.S.S and placements.

**30. 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.

**31. Health services:**

- (a) The N.S.S. unit also works for AIDS awareness by distributing HIV/AIDS related pamphlets, books etc among people of Samata Nagar area, Thakur village and also conducted and Awareness Rally in the neighboring areas.
- (b) N.S.S. Unit carried out a blood donation camp on 15<sup>th</sup> December 2004 in collaboration with Sion Hospital.

### **32. Performance in sports:**

This year Degree college teams participated in Volleyball (Boys-winner-Mumbai University Championship) (Girls – 3<sup>rd</sup> position, Football (Boys-winner – Goan Sports championship M.U.C.); Boxing (Boys – 3<sup>rd</sup> position); Cricket; Basketball Tournaments at University and Inter-Collegiate levels and did the college proud by winning many championships.

### **33. 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.

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

1. Ms. Manasi Sharma was selected and successfully attended the National Republic Day parade at Delhi.
2. Ms. Manasi Sharma also won the 2<sup>nd</sup> prize in Essay competition held at National level.
3. Ms. Manasi Sharma attended the youth convention and youth festival at Hyderabad organized by Ministry of Youth affairs & sports.

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

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

1. Career guidance and counseling
2. Diagnostic Aptitude Test and Analysis
3. Interview Technique Workshop, Personality Development Programmes
4. English Speaking, Communication Skills Enhancement etc.
5. Guidance for IIT
6. Training for MH-CET and AIEEE
7. Guidance for admission to the Foreign Universities

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

The College has Training & Placement Cell (TPC) functioning from June 2004. The objective of the Cell is to assist and trained the students in getting them suitable Jobs after graduation. It's also trains the students for overall Personality development and interviews. The Cell contacts companies and organizations from different sectors, so the students have a wider choice of Job opportunities and future prospects.

This year we have contacted companies like Zenta technology, IBM-Daksh, Wipro India ltd., ICICI etc. to place our students. 150 students enrolled in TPC to avail the facility, out of which we placed 40 successfully.

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

4. For the development of non-teaching staff college arranges various sports and cultural activities. They are also encouraged to contribute to the college magazine.
5. They are also provided loan from the college co-operative society at a low interest rate.
6. The non teaching staff is also invited to participate in the routine meetings with the principal and the management regarding matter related to them.

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

**Part C: Plan of the Institution for next academic year (2005– 2006):**

The College has completed 8 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 2005 – 2006.

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. We plan to start BIO-TECHNOLOGY course (3 Year integrated course).

PRINCIPAL  
Mrs. C. T. Chakraborty