

K J Somaiya College of Science and Commerce

Autonomous-Affiliated to University of Mumbai,
Vidyavihar, Mumbai-77

Annual Report 2017-18

K. J. Somaiya College of Science and Commerce, founded in 1972, is one of the most famous institutions of Somaiya Vidyavihar. From the inception, the institution has been recognized for its instructors, research culture, and democratic leadership.

Through innovative teaching, personalised advisement, and strong support for undergraduate Research and active learning, the college advisory committee, academic advisors, and research coordinators have made significant contributions to the institution's mission of meeting the learning needs of undergraduates.

The diligent efforts of the college administration, labs, and library support staff are especially remarkable. They are urged to regularly enrol in various training programmes in order to improve their work quality and add value to the organization.

Students, who are our key stakeholders, participate in a variety of learning communities that help them better their abilities and sense of possibilities; they build close friendships and connect to local and global communities through internships, service learning and community service.

The different curricular alternatives allow students to explore specific interests, engage with various campus organisations, and prepare for specialised graduate and professional programmes.

QUALITY ASSESSMENT IN EDUCATION

AUDITS

- **Gender audit :**
Gender audit was conducted during the academic year 2017-18
- **Green audit :**
Green audit was conducted during the academic year 2017-18
- **Academic Audit:**
Academic audit was conducted during the academic year 2017-18

- **National Institutional Ranking Framework (NIRF) :**
The institution participated in NIRF in the academic year 2017-18

AWARDS TO COLLEGE

Science College Rating

- College was ranked amongst top 10 science colleges of the city by INDIA TODAY in year 2017. In country wide ranking it was ranked 24th among the best science colleges.

CERTIFICATE OF APPRECIATION

- Certificate of ‘**Responsible Recycling**’ presented on 24/06/2017
- Certificate of Appreciation was presented for conduct of Awareness session on “Blood stem cell donation” for treatment of fatal blood disorders on 28th November, 2017

GRANTS RECEIVED

- The Department of Biotechnology Government of India, New Delhi (DBT) sanctioned an extension to the STAR COLLEGE SCHEME granted in 2014 to 6 science departments viz Chemistry, Biochemistry, Botany, Zoology, Microbiology and Physics. In 2017, 5 more departments, Mathematics, Statistics, Computer Science, Geology and Biotechnology have been sanctioned STAR grant of INR 101 Lakhs.



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NAAC Sponsored National Conference on Curriculum Design and Evaluation 12-13th January 2018.





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National Workshop - Train The Trainer on Flipped Learning (23rd – 26th April 2018) Organized by Prof. Vasudha Kamat in collaboration with K. J. Somaiya College of Science & Commerce and Connect Dots Consultancy and Training, Pune.

IQAC Activities

1. IQAC conducted a three day workshop on **Flip Class Pedagogy** on 8th, 9th and 10th June 2017. The resource person for the workshop was Dr. Vasudha Kamat, Former Vice Chancellor SNDT Women's University accompanied by Dr. Jayashree Shinde, Head, Department of Educational Technology, SNDT Women's University and their students Ms. Manali Joshi and Ms. Ekta Shinde.



2. A workshop on research methodology, "Nuts and bolts of Research methodology" was organised on 31st of January 2018. The workshop was conducted by Ms. Shanti Pise, Senior Teaching Associate, IISER, Pune, Ms. Hemangi Kotibhaskar, Consultant, IISER, Pune and Dr. Roshan D' Souza, Head and Associate Professor in Zoology, Sophia College for Women, Mumbai.



3. To celebrate auspicious Sankrant and beginning of Uttarayan IQAC along with Staff Common Room arranged Haldi – Kumkum for female teaching and nonteaching staff members.



4. A Five session Faculty Training Program on „Self Development In the context of Spirituality-A Practical Approach’



Biotechnology

Biozone is an initiative by the Department of Biotechnology towards inculcating and reviving the thirst for Biotechnology in the students. This year “Biozone” was held on 19th and 20th July 2017. The topics selected were “Enzymes” for S.Y.B.Sc and “Traditional foods and their nutritive value” for T.Y.B.Sc.



Botany

1. Department of Botany organized the yearly inter-collegiate fest ‘**FOLIUM**’ on 13th January 2018. Various activities were planned for the entire day.
2. Department of Botany had organized on 18th July 2017, a **one day workshop** on “**Ikebana – Flower Arrangement**” by Mrs. Priyanka Khandekar, certified teacher in Ikebana from **Ohara School of Ikebana, Japan**



Chemistry

Rasayan 2017 an intercollegiate festival hosted by the department of chemistry was organized on 8th December 2017.



A workshop for Students on „Global Trends and Opportunities in Green Chemistry’ is organized by Industrial Green Chemistry World (IGCW) in association with Department of Chemistry, K. J. Somaiya College of Science and Commerce on **8th October, 2017.**



National Conference on GST & Indirect Tax Reform and its Impact on Economy

Department of Commerce and Department of Economics organized a two day National Conference on GST & Indirect Tax Reform and its Impact on Economy on 29th and 30th November 2017.



Department of Environmental Sciences

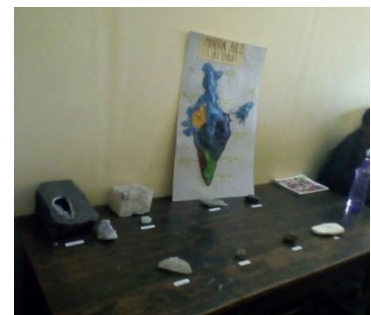
1. Convergence 2017 was organised on 15th & 16th December with the theme - „Reconnecting People With Nature.“ Title Sponsors for Convergence 2017 was Maharashtra Pollution Control Board and the co-sponsors were Sanjay Gandhi National Park, World Wide Fund and Bombay Natural History Society.



2. Department of Environmental science celebrated World Wetland Day on 2nd of February. A one day National level conference was also organized by Department of Environmental science in collaboration with an NGO, **Paryawaran Dakshata Mandal** on 3rd of February 2018.

Geology

The geology department organised a geological fest called Terra Firma on 20th December 2017.



Mathematics

1. On the occasion of “National Mathematics Day”, Department of Mathematics had organized an annual fest named „Mathletics 2017“ on 22nd & 23rd December 2017.



2. Mathematics department in collaboration with Binary Semantic organised a one day Faculty development program to understand the development and application of the universally acclaimed mathematical software 'MAPLE' on 13/9/2017. The Faculty Development Program (FDP) was conducted by Andrew Rourke, Director Teaching Solutions Group – Maplesoft (Canada)



Microbiology

1. Department of Microbiology organized a State level Inter-Collegiate event MICROSCOPE-2017 on 19th August, 2017. Participants were from diverse fields ranging from undergraduate and postgraduate levels having biological as well as non-biological backgrounds.



2. Enriching Expressions 2017-18

A Lecture on Lessons from the real World by Mr. Shubham Bardhan on 6th February 2018.



Physics

1. Study Tour to GMRT, Narayangao, Pune on 13/10/2017



2. The Department of Physics organized Physics festival “Fizika”, on 22nd December 2017. Fizika has encouraged students to interact, explore and enjoy and show them the fun side of Physics.



3. Educational tour to VSSC satellite centre and Gujarat Science city Edutainment park, Ahmadabad from 8th January to 10th January 2018.

4. Night sky gazing was arranged by Department of Physics on 13th January 2018 at Hindu



Seva Sangh Maidan in Mammoli Village.



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Statistics

1. On 29th June, 2017, the students of T.Y.B.Sc. (Statistics) along with S.Y.B.Sc. (Maths-Stats) students celebrated the “National Statistics Day”.



2. Department of Statistics organized an Intercollegiate Departmental event – “SANKHYASTRA 2017-18”



3. On 22nd July, 2017, department of statistics organized a one-day workshop on “Statistical Analysis using „R“ software”. The workshop consisted of 3 sessions which were (i) Data Input & measures of central tendency (ii) Distribution Theory & Sampling & (iii) Large & small sample tests, ANOVA.



Visit to Bombay Stock Exchange

The Department of Accountancy and Department of BFM, BCAAF & BMS jointly organized the visit to Bombay Stock Exchange on 19th December, 2017. The purpose of the visit to stock exchange was to cover topics focusing on online trading system of the stock exchange and career opportunities in financial markets.



Department of BFM, BMS & BCAAF

1. The Department of BCAAF, BFM & BMS had jointly organized “Empresa” Intercollegiate fest on 15th and 16th December, 2017. The fest was organized with the objective to provide platform for the students to showcase their talents.



2. International Yoga Day on 21st June, 2017. The Yoga session started at 6:30 AM by trained Yoga instructor Miss. Jaishri Joshi.



Department of IT & CS



Dept. of IT and CS had organized BINARY 2K17-18 on 16th January 2018. It showcased technical events like project exhibition, Bug Bounty, Pattern solving, LAN gaming. Non-technical games Lawn Twister, Greeny Lawn matching, Quidditch and lots more, added fun element to the event.

Department of Economics

Elocution Competition was held on 21.08.2017 to create awareness about current economic issues and to enhance communication skills .

Department of Commerce

Organized departmental festival AVSAR 2017 on 11.12.2017. Different activities such as debate , elocution, ad-mad show were conducted . Management games and compatibility games were conducted to test the team work quality among the participants. Fun games such as beg-borrow-steal and treasure hunt were taken up for the participants.

Women Development Cell

A workshop on Premarital Counselling was organised by WDC on 9th March to commemorate International Women's Day . The program was conducted by the NGO Bharatiya Stree Shakti with a team of a counsellor Sadhana Bhatkhande from KEM, Dr Pradnya Kapse from Podar Ayurvedic hospital and Adv. Pratima Shelar .



Student's Sports Achievements



Sis. Jagruti Murbadkar (M.com Part I) bagged National Level Gold Medal in Table Tennis 1st at Inter-Collegiate Level and All India University Competitions 2017-18 (M.P)

Bro. Shivam Pingle (F.Y.Bsc) bagged National Level Bronze Medal in Taekwondo 1st at Inter-Collegiate Level and All India University Competitions 2017-18.



Sis. Nensi Patel (S.Y.B.M.S) bagged National Level Bronze Medal in SQUASH 1st at Inter-Collegiate Level and All India University Competitions 2017-18.

Sis. Shivani Parab (M.sc Part II) bagged Gold Medal in Chess at Inter- Collegiate & All India University Competitions 2017-18.



Student's Achievements



Bro. Shubham Biswal has been selected to participate in the U.S. government funded exchange program titled 'FY 2018 Study of the U.S. Institute for Student Leaders on Global Environmental Issues' that will be hosted by the University of Montana, in Missoula , Montana , USA in July and August 2018.

Cultural activities

Cultural group students Bro. Shubham Sawant (S.Y. B.Sc.IT) , Sis. Rucha Vaidya (S.Y.BSc) ,Bro. Vaibhav Khanderao (S.Y. B.com), Bro. Jainam Shah (F.Y. BCAF) , Sis. Swapnali Pawar (F.Y. B.Sc.) and Bro. Devang Gala (T.Y. B.Sc. IT) received silver medal for MIME at Youth Festival.



Parents Teacher Meeting



A talk on 'Effective Parenting' by Mr. Arun Naik



'Induction Programme for F.Y B.Sc and F.Y.B.Com Students'



Cultural Forum



4th Degree Distribution Ceremony, 10th March 2018

