

K J Somaiya College of Science and Commerce

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

Annual Report 2019-20

K. J. Somaiya College of Science and Commerce established in 1972, is one of the prominent institutions of Somaiya Vidyavihar. Since inception, the college is recognised for its faculty, research culture and democratic leadership. There has been immense contribution by the college advisory committee, academic advisors and research coordinators in achieving the mission of the institution that is emphasis on meeting the learning needs of undergraduates through innovative teaching, personalized advisement, and strong support for undergraduate research and active learning.

The untiring and relentless efforts of the support staff from the college office, laboratories and library are equally notable. They are encouraged to attend various training programs from time to time which enable them to improve their quality of work and add value to the institution's culture. Our major stakeholders, the students engage with many learning communities that build their skills and sense of opportunity; they develop close ties and connect to local and national communities through internships, service learning, and community service. The broad curricular choices encourage students to explore personal interests, meet diverse groups across campus, or prepare for specific graduate and professional programs.

QUALITY ASSESSMENT IN EDUCATION

AUDITS

- **Gender Audit :**
Gender audit was conducted during the academic year 2019-20
- **Green Audit :**
Green audit was conducted during the academic year 2019-20
- **Examination Process Audit:**
Examination Process Audit was conducted during the academic year 2019-2020
- **Academic Audit :**
Academic Audit was conducted during the academic year 2019-20
- **Administrative Audit :**
Administrative Audit was conducted during the academic year 2019-20

- **National Institutional Ranking Framework (NIRF) :**
The institution participated in NIRF in the academic year 2019-20
- **Atal Ranking of Institutions on Innovation Achievements (ARIIA)**
The institution received 1star
- **India Today**
The institution received an overall 55th rank

AWARDS TO COLLEGE

Best College Award

- In 2020 the college was shortlisted for the Best college award instituted by University of Mumbai amongst 350 urban colleges.

CERTIFICATE OF APPRECIATION

- Certificate of Excellence was presented in recognition for being the Zonal Centre for skill Enhancement Training Program on Campus to Corporate by Makeintern B-plan Championship & E-Cell IIM Calcutta Event held from 27th – 28th January, 2020
- Department of Life Long learning and Extension (DLLE) received Certificate of Appreciation for conduct of Workshop on Avishkar Research Convention for Mumbai II zone on August 16, 2019
- Department of Life Long learning and Extension (DLLE) received Certificate of Appreciation for conducting of Zonal/District level 52nd Inter-Collegiate/ Institute/ Department Cultural Youth Festival for Literacy and Fine Art Events for Mumbai II Zone on August 12, 2019

CULTURAL FORUM

- Our institution bagged the third prize in group singing in the zonal round during the 2nd Youth Festival Zone II organised by University of Mumbai in the month of August 2019

K. J. Somaiya College of Science and Commerce, Vidyavihar

Research Report

2019 – 2020

Bird 's Eyeview of the Research

Department	Criteria									
	Under-graduate research project	MSc. Research Project Sem IV	Research Publication		Major Research Project 19-20	Minor Research Project April 2020	Research Collaboration	PhD Projects 19-20	MSc by Research	Research Awards
			UGC Care Listed	Pub with ISSN number						
Chemistry	63	65	4	1	1	1	0	8	1	2
Microbiology	27	20	3	5	0	1	2	5	0	0
Botany	24	0	0	0	0	0	0	0	0	1
Physics	16	17	0	1	0	2	0	0	0	0
Geology	13	14	0	1	0	0	0	0	0	0
Statistics	12	4	0	0	0	0	0	0	0	0
Zoology	11	16	0	3	0	0	0	2	1	0
Biochemistry	5	5	0	0	0	3	1	0	0	0
Business and Law	0	0	0	0	1	1	0	0	0	0
Nutraceuticals	0	0	0	0	1	0	2	0	0	0
Economics	0	0	0	0	0	1	0	0	0	0
Accounting & Finance	0	0	0	0	0	1	0	0	0	0
Total	171	141	7	11	4	10	5	15	2	3

**Research Profile Yearly Report 2019 – 2020****Research Projects under Ph.D. Program:**

Department	Guide	Student	Title of the PhD thesis
Chemistry	Dr. Pradnya Prabhu	Mr. Jaideep Wable	Synthesis of organochalcogen derivative and study their reactivity towards d8-d10 metal precursor
		Ms. Sonia	Quality Analysis & Remediation of Industrial Waste Water Effluents
		Ms. Ashwini Pradhan	Title yet to be approved
	Dr. Chitra Kamath	Ms. Manisha Gupta	Studies in syntheses of novel molecules for Pharmaceutical and perfumery applications.
		Ms. Radha Pandey	Synthesis and study of Anticancer activity of Quinoline derivatives using Computational chemistry
		Mr. Prakash Gaikawad	Title yet to be approved
Microbiology	Dr. Unnati Padalia	Mr. Kishor bari	In-vitro study of therapeutic potential of metabolites of microorganisms from extreme environment
		Ms. Miriam Pauline Stewart.	Studies on the Feasibility of Electron Beam Irradiation to Improve the Microbiological Safety of Minimally Processed Foods
		Ms. Vidya Shetty	A study of non albicans Candida and Candida albicans -identification, virulence factors and analysis of antifungal genes using molecular methods –PCR
	Dr. Lolly Jain	Mr. Shabib Khan	Studies on the Optimization of Production, Characterization and Applications of Biosurfactant obtained from Halophiles isolated from Saline Lakes.
Zoology	Dr. Amol Patwardhan	Ms. Drashti Danani	Coleoptera diversity of Sanjay Gandhi National Park.
		Mr. Harshad Parekar	Coleoptera diversity of Phansad Wild life Sanctuary.



SOMAIYA
VIDYAVIHAR

K J Somaiya College of Science & Commerce

K.J. Somaiya College of Science and Commerce



Research Projects under M.Sc. Program:

Department	Guide	Student	Title of the thesis
Chemistry	Dr. Chitra Kamath	Ms. Manisha Gupta	Synthesis and biological activity (as anticancer agents) of quinoline compounds using cell lines and in-silico studies.
Zoology	Dr. Amol Patwardhan	--	Leeches of Phansad Wildlife Sanctuary



SOMAIYA
VIDYAVIHAR

K J Somaiya College of Science & Commerce

K.J. Somaiya College of Science and Commerce



Minor Research Project 2019-2020

Sr. No.	Department	Principal Investigator	Sanctioned amount	Released Amount	Amount to be released
1	Microbiology	Dr. Unnati Padalia	40000	16000	24000
2	Chemistry	Dr. Mithun Gopal Mondal	40000	16000	24000
3	Biochemistry	Dr. Samidha M Pawaskar	40000	16000	24000
4	Biochemistry	Dr. Heena Shah	40000	16000	24000
5	Biochemistry	Dr. Ketan Ranade	25000	10000	15000
6	Physics	Ketankumar Gayakvad	50000	20000	30000
7	Physics	Anshul Gupta	40000	16000	24000
8	Business Law	Dr. Archana Padagonkar	55000	22000	28000
9	Economics	Ms. Medhavini Khare	25000	10000	15000
10	Accountancy	Sachin Vilas Acharekar	22000	8800	13200
		Total	377000	150800	221200



KJSSC Research Publication

Microbiology:

1. Kishor Bari and Unnati Padalia. (2019) Antioxidant and polyphenol activity of alkaliphilic isolates. RESEARCH REVIEW International Journal of Multidisciplinary, 4(4), 488-491.
2. Shabib Khan and Lolly Jain (2019) Comparative Screening of Different Mineral Salt Media for Biosurfactant production by Halophilic organisms. Journal of Emerging Technologies and Innovative Research, 6(5) 562-568.
3. Shabib Khan. (2019) Synergistic Approach of ICT and Innovative Assessment for Enhancement in Teaching Learning Process. Research Chronicle, 7, 126-130.
4. Unnati Padalia and Vidya Shetty, (2019) *Candida tropicalis*: An emerging pathogen in *Septicaemia*. Research Review. International Journal of Multidisciplinary. 4(4),
5. Unnati Padalia and Vidya Shetty, (2019) Speciation And Susceptibility Pattern Of Candida Isolates From Various Clinical Samples In a Tertiary Care Institute International Journal of Research and Analytical Reviews. June 2019; Volume 6(2).

Chemistry:

6. R. S. Chauhan, A. Kumar, P. Prabhu, (2019) Synthesis of palladium tellurolate complexes derived from hemi-labile tellurolate ligands and studies their reactivity as gas sensing materials, Inorganica Chimica Acta, 487, 395-397. Impact factor 2.433
7. R. S. Chauhan, D. Oza, S. Yadav, C. Dash, A. M. Z. Slawin, N. Shivran. (2019) Copper Complexes of Arylselenolate based Ligands: Synthesis and Catalytic Activity in Azide-Alkyne Cycloaddition Reactions, New Journal of Chemistry, 43, 2381-2388. Impact factor 3.069
8. S. C. Masikane, S. Mlowe, A. S. Pawar. S. S. Garje, N. Revaprasadu. (2019) Cadmium chloride and cadmium iodide thiosemicarbazone complexes as Single source precursors for CdS nanoparticle, Inorganic Materials and Nanomaterials, 1063-1070. Impact factor: 1.57.

Geology:

9. Dnyanada Salvi. (2019) Thermochronological insights into the thermotectonic evolution of mishmi hills across the Dibang valley, NE Himalayan Syntaxis. Journal of Asian Earth Sciences, 190. Impact factor: 2.7

Zoology:

10. Rutuja Bhatade and Amol Patwardhan. (2019) A preliminary study on some ecological factors involved in Mud-Puddling of butterflies in Mumbai metropolitan region. International Journal of Entomology Research 4(5):1-16. Impact factor 5.24
11. Amol Patwardhan. (2019) Some observations on the butterfly mud puddling in and around Mumbai. Journal of Entomology and Zoology Studies 2019; 7(5): 296-304. Impact factor 5.53.
12. Amol Patwardhan and Rahul Khot. (2019) Description of a new species of the genus Lampropsephus Fleutiaux, 1928 (Coleoptera: Elateridae: Elaterinae: Dicrepidini) from Konkan, Maharashtra, India. Journal of Threatened Taxa 12(1): 15181-15185. Impact factor 5.1

Physics:

13. **K.J. Somaiya College of Science and Commerce**
14. **Research Profile Yearly Report 2019 – 2020**



15. L. Ajith DeSilva, Madhavi Thakurdesai, T. M. W. J. Bandara, Joshua Preston, Wyatt Johnson, Anne Gaquere-Parker, Smita Survase (2019) Synthesis of dense TiO₂ nanoparticle multilayers using spin coating technique, Applied Physics A, 1– 030291- 030294.

2020

Microbiology

16. Shabib Khan. (2020) Challenges Associated with Flipped Classroom and Creation of E-content in Education. Think India Journal, 22(28) 1-5.
17. Shabib Khan. (2020) Evaluation of Inclusive Teaching Strategies on the Holistic Development of a Learner. Shodh Sarita Journal, accepted
18. S. Khan. (2020) Impact of Learning Management Systems and Open Education Resources on Science Education. Xplore Journal, 11(1) 35-42.

Chemistry:

19. S. Nagar, S. Chatterjee, D. Goswami, D. B. Cordes, A. M. Z. Slawin, R. S. Chauhan*, P. Prabhu. (2020) Reactivity of nickel metal precursors towards amido linked N-heterocyclic carbenes and their catalytic studies for cross coupling reactions. Inorganica Chimica Acta , 504, 119446-119452. Impact factor 2.433
20. R. S. Chauhan. (2020) Reactivity of hemi-labile pyridyl and pyrimidyl derived chalcogen ligands towards group 10 metal phosphine precursors. New Journal of Chemistry, 44, 2689-2697. Impact factor 3.069



KJSSC MoU/ Collaboration :

Department	MoU Institution/Organization/ College/Industry/Agency	Year
Nutraceuticals	BMN College	2019
	Tata Memorial Hospital	2020
Biochemistry	College of Home Science Nirmala Niketan (CHSNN)	2020
Microbiology	Plant Pathology and Nematology, Florida, Agricultural Research	2020
	Prathamesh Biotech	2020
KJSSC	Riidl	2020
	Lab care Diagnostics India Pvt Ltd	2020
	CASI Global	2020
	EBTS	2020



Panelists: 1) Dr. Paramjit Anthappan, Former Head, Department of Microbiology, Bhavan's
College, Andheri(W).

2) Dr. Ramanna, Head, Department of Chemistry, University of Mumbai

Sr No.	Student	Guide	Degree	Department	Research topic
1	Kishor Pundalik Bari	Dr. Unnati Padalia	Ph.D.	Microbiology	In-vitro study of therapeutic potential of metabolites of microorganisms from extreme environment
2	Shabib Khan	Dr. Lolly Jain	Ph.D.	Microbiology	Studies on the optimization of production, characterization and applications of Biosurfactants obtained from halophiles isolated from saline lakes
3	Sonia	Dr. Pradya Prabhu	Ph.D.	Chemistry	Quality analysis and remediation of industrial waste water effluents
4	Jaideep Wable	Dr. Pradya Prabhu	Ph.D.	Chemistry	Synthesis of organochalcogen derivative and study their reactivity towards d8-d10 metal precursor
5	Unavailable	Dr. Sungandha Shete	Ph.D.	Chemistry	Unavailable
6	Unavailable	Dr. Amol Patvardhan	M.Sc.	Zoology	Study on wild leaches



KJSSC Research Awards:

Department	Name (Author/ participant)	Type of award	National/ International / Local	Title of Event (Conference/ symposium)
Botany	Dr. Ketan Thatte,	Resource person	National	Bhavamishra-Dravyagun
Chemistry	Dr. Rohit Singh Chauhan	Invited Lecture	International	14 th International conference on Selenium and Tellurium, Italy
	Dr. Rohit Singh Chauhan	Somaiya Award in Research and Higher education	Local	Somaiya 61st founder'sDay



SOMAIYA
VIDYAVIHAR

K J Somaiya College of Science & Commerce



List of Good Projects

***Student / College / Startup Projects Exhibition 09 Sept 2019**

S.No	Name of School/ College	Title of the Project	Project Details		Team Details		HOD/Coordinator
			About the Project	Uniqueness of the Project	Name	Discipline/Class/Division*	Name
1	KJSSC	Chiara-Chips served with vegan dip	(Functional Food)	Baked, Rich in fibre and omega fatty acids, Source of prebiotics	Abhishek Prajapati	M.Sc. II Nutraceuticals 2018-19	Dr Veena Salvi
2	KJSSC	Flavi-Chips	(Functional Food)	Gluten free, Iron rich, High satiety snack	Shivani Kambli	M.Sc. II Nutraceuticals 2018-19	Dr Veena Salvi
3	KJSSC	Viscuits	(Functional Food)	Gluten free, Protein rich, Antioxident rich	Abhishek Pacha	M.Sc. II Nutraceuticals 2018-19	Dr Veena Salvi
4	KJSSC	Oranic Masala	(Functional Food / Flavouring)	Orange flavoured seasoning for buttermilk	Vicky Tamta	M.Sc. II Nutraceuticals 2018-19	Dr Veena Salvi

S.No	Name of School/ College	Title of the Project	Project Details		Team Details		HOD/Coordinator
			About the Project	Uniqueness of the Project	Name	Discipline/Class/Division*	Name
5	KJSSC	Best from Tea waste	Tea grounds which are thrown after using it for making tea goes through various process and can be transformed into biodegradable cutlery or many other articles	Biodegradable and can be substitute to plastic articles or cutlery used now	Riddhi Bhavesh Dave	M.Sc-II Environmental Science	Dr. Sugandha Shetye
6	KJSSC	Biodiversity Garden	To create a natural habitat for the urban biodiversity by plantation of specific plant and installation animal homes and turn this idea into a business model.	Eco-entrepreneurship model, Experiential learning, Increased Youth and Citizens engagement.	Revathi swamy	M.Sc-II Environmental Science	Dr. Sugandha Shetye

S.No	Name of School/ College	Title of the Project	Project Details		Team Details		HOD/Coordinator
			About the Project	Uniqueness of the Project	Name	Discipline/Class/Division*	Name
7	KJSSC	Recycling and reusability of the discarded bacteriological media	The nutrient media with growth are sent for discard. Media are autoclaved. Instead of discarding the used media, these media were recycled and reused repeatedly for the cultivation of microorganisms.	Multiple usage of the same medium. Recycling of media. Resuse of media. Reduce wastage of media. Ecofriendly. Highly cost effective. Wealth from waste	Shreya Nair and Dr. Unnati Padalia	Student-Microbiology/TYBSc	Dr. Unnati Padalia

S.No	Name of School/ College	Title of the Project	Project Details		Team Details		HOD/Coordinator
			About the Project	Uniqueness of the Project	Name	Discipline/Class/Division*	Name
8	KJSSC	Quality testing of water samples from different sources at KJSSC	Water sampling and Microbiological Testing	Single handedly done with astounding results	Tanmay Dave	TYBSC	Dr.Vikrant Deshmukh
9	KJSSC	Effect of pesticide on polytene chromosome of chironemous larvae	skillbased, technique involved	Application of routine practicals	Chinmay Nikam	TYBSC	Dr.Vikrant Deshmukh
10	KJSSC	Production and quantitation of Alcohol from fruitwaste	Homebrewing, Best out of Waste	Application based	Abhishek Sharma	SYBSc	Dr.Vikrant Deshmukh

* kindly edit wherever applicable on the table as per your submissions (Student / College / Startup)

KJSSC 8 Working Research Projects selected by SVV

Showcased on Foundation Day Ceremony - 2019

NAVRITI 2019

Category : EAT HEALTHY

SN	Project name	Name of the School/College	T	C	5mA
1	Chiara-Chips served with vegan dip	K J Somaiya College of Science and Commerce	1	2	0
2	Flavi-Chips	K J Somaiya College of Science and Commerce	1	2	0
3	Viscuits	K J Somaiya College of Science and Commerce	1	2	0
4	Organic Masala	K J Somaiya College of Science and Commerce	1	2	0

Category : ORGANOAGRITECH

SN	Project name	Name of the School/College	T	C	5mA
5	Best from Tea waste	K J Somaiya College of Science and Commerce	1	2	0
6	Biodiversity Garden	K J Somaiya College of Science and Commerce	1	2	0

Category : MEDICAL MODELS

SN	Project name	Name of the School/College	T	C	5mA
7	Toxicity studies using Zebrafish	K J Somaiya College of Science and Commerce	1	2	0

Category : SMART APPLIANCES

SN	Project name	Name of the School/College	T	C	5mA
8	MOSS	K J Somaiya College of Science and Commerce	1	1	1

**KJSSC Post Graduate research projects, Department: Microbiology**

Sr. No	Project Title	Institute
1	Role of Apelin molecule in Coronary Artery Disease (CAD)	SIRAC (Somaiya Institute for Research And Consultancy)
2	Correlation of TNF alpha and Severity of Coronay Artery Disease (CAD)	SIRAC (Somaiya Institute for Research And Consultancy)
3	Stability study of Chloramphenicol under different conditions	Export inspection agency
4	Authentication of meat species using molecular techniques	Export inspection agency
5	Inflammatory adipokine RESISTIN and its association with CAD	SIRAC (Somaiya Institute for Research And Consultancy)
6	Fortification of goat milk	GNIRD (G.N. Khalsa College)
7	Effect of UV light,yellow light and White light on mycotoxin production under different humidities in Peanuts	Export inspection Agency(EIA)
8	Biominalization with microbial urease producers	SIRAC(Somaiya Institute for Research and Consultancy)
9	Understanding the cellular and molecular mechanisms of Therapy Induced Senescence in Glioblastomas	ACTREC
10	Isolation, purification and optimization of bacteriocin like inhibitory peptide from <i>Staphylococcus aureus</i>	NFB(National Facility For Biopharmaceutical Khalsa college)
11	Investigation of red pigmented bacteria isolated from soil.	SIRAC(Somaiya Institutes for Research and Consultancy)
12	Detection and enumeration of pathogens in Food, water and cosmetics.	APX Laboratory''- Accuracy Precision Excellence
13	Standard Operating Procedures for Pigmented bacteria	SIRAC(Somaiya Institutes for Research and Consultancy)
14	Exploring Plant Growth Promoting ability of Fluorescent bacteria	SIRAC(Somaiya Institutes for Research and Consultancy)
15	Dank Malodor Study In Laundry	Hindustan Unilever Ltd., Bangalore
16	Study of bacteriocin produced from <i>Propionibacterium spp.</i>	NFB(National Facility For Biopharmaceutical khalsa college)
17	Collection and reading of literature regarding liquid thromboplastin reagent	Labcare Diagnostic Private Limited
18	Microbiological analysis of food and food products	Export inspection Agency(EIA)
19	Internship	Bayview Advisory Services Pvt. Ltd
20	Isolation , characterization & antioxidant property of carotenoid pigmented isolate from soil sample	SIRAC (Somaiya Institute for Research And Consultancy)



KJSSC Post Graduate research projects, Department: Physics

Sr. No	Project Title	Institute
1	Characterisation of 'r' in alloy 693	BARC
2	To increase the conductivity of hole transporting layers P3 & P7	BARC
3	Atomic Spectroscopy	BARC
4	Lifi communication	WRIC
5		
6	Raspberry Pi B	WRIC
7	Particle Detection	WRIC
8	Particle Detection	BARC
9		
10	Fusion and Transfer	BARC
11	Vision & Robotics	EZ (Robotics)
12	Atomic mass spectroscopy	BARC
13	Analysis of Nuclie 1-20 mass	Homi Bhabha
14	Solar model	WRIC
15	Synthesis of YBCO,LBCO	BARC
16	Solar charge controlar	MG Solar Powertronics
17	Nanoolerice fabrication	TIFR



KJSSC Post Graduate research projects, Department: Zoology

Sr. No	Project Title	Institute
1	Dynamics of microbial loop Arctic sjord	NCPOR
2	Studies and allied fishery resources of India with inventory studies on fishery coast of Mumbai	Fishery Survey of India
3	Rapid assessment of Khardi river	GODREJ MANGROVES
4	To study on biological traits of selected fishes from Mumbai coast	Central Institute of Fishery Education
5	Concentration and bioavailability of toxic metals in sediment around Mumbai	National Institute of Oceanography
6	Study on demersal fin fish diversity in Mumbai coast with special reference to fishery distribution and conversation measures	Fishery Survey of India
7	Study on pelagic fin fishery of the group of Anchovie, seer fish, mackerel, carangnids occuring in Mumbai coast	Fishery Survey of India
8	Ecology of marine benthic fauna	National Institute of Oceanography
9	Biodegradation efficiency of plastic degrading bacteria isolated from plastic contaminated env	National Institute of Oceanography
10	Spatial variation of heavy metal in water and sediment of Amba snd relationship with C,S Nitrogen	National Institute of Oceanography
11	Reduction of Ammonia nitrogen from aquaculture pond	PANCHAM AQUACULTURE FARM
12	Inter annual variability of Chlorophyll a and phytoplankton of Coastal water of Mumbai	National Institute of Oceanography
13	Seasonal variability of mespzoplankton of Mumbai, west coast of India	National Institute of Oceanography
14	Studies and inventory of Crustacean diversity fishery in Mumbai coast	Fishery Survey of India
15	Interaction of insect with extract of yeast (K ohmeri) and artificial pheromones	Institute of Chemical Technology
16	Puddling activity of lepidopetran and non lepidopetran insect and pedagology of puddling soil in North Western ghat	KJSSC



KJSSC Post Graduate research projects, Department: Geology

Sr. No	Project Title	Institute
1	Mumbai flood analysis	TISS, MUMBAI
2	Hydrology	Deogiri College Aurangabad
3	Sedimentary-Bole Beds	IIT-BOMBAY
4	Core Analysis	ONGC Regional Geoscience Lab
5	Engineering geology	BARC-MUMBAI
6	Oceanography	NIO-Goa
7	Plaeomagnetism	Indian institute of Geomagnetism
8	Flood analysis	TISS, MUMBAI
9	Remote Sensing, Planetary Geoscience	SAC Ahmedabad
10	Sedimentology	IIT-BOMBAY
11	Flood analysis	TISS, MUMBAI
12	Paleoceanography	NIO
13	Planetary Geology	IIRS Dehradun
14	Paleomagnetism	National institute of oceanography-go



KJSSC Post Graduate research projects, Department: Biochemistry

Sr. No	Project Title	Institute
1	Evaluation of the lycopene content and In-vitro Antioxidant potential of Solanum lycopersicum cultivated in organic and conventional systems.	K. J. Somaiya College of Science and Commerce
2	Growth, yield, plant quality and nutritional assessment of Spinacia oleracea, Coriandrum Sativum L.and Trigonella foenum-graecum under in-soil and soil-free agricultural systems.	K. J. Somaiya College of Science and Commerce
3	Comparative study of the microbiological analysis of the potable water stored in different storage vessels.	K. J. Somaiya College of Science and Commerce
4	Nutritional profiling and In-vitro Antioxidant studies of the seedlings of some leafy green vegetables.	K. J. Somaiya College of Science and Commerce
5	Proximate composition, bread characteristics and sensory evaluation of the breads prepared from various cereals.	K. J. Somaiya College of Science and Commerce

KJSSC Post Graduate research projects, Department: Statistics

Sr. No	Project Title	Institute
1	Hydrolife and Hygine	K.J.Somaiya college of Science and commerce
2	Investment Plan	K.J.Somaiya college of Science and commerce
3	Study od telecom services	K.J.Somaiya college of Science and commerce
4	Improvement in healthcare organisation	K.J.Somaiya college of Science and commerce



SOMAIYA
VIDYAVIHAR

K J Somaiya College of Science & Commerce

KJSSC Under Graduate Research Project:



Department	Number of Research Project
Chemistry	63
Microbiology	27
Botany	24
Physics	16
Geology	13
Statistics	12
Zoology	11
Biochemistry	5
Total	171

**KJSSC Under-Graduate Research Project, Department: Chemistry**

Sr. No.	Title of the project	Class	Number of students	Mentor
1	Synthesis of Cuprammonium rayon	T Y B Sc	3	Chitra Kamath
2	Chrome yellow and prussian blue pigments Extraction of oil from orange peels through steam distillation.	T Y B Sc	3	Saurabh Shete
3	Casein quality in different types of milk.	T Y B Sc	4	Bright Philip
4	Preparation of fluoresces in and its conversion into Eosin.	T Y B Sc	3	Nishamol Kanat
5	Isolation of piperine from black pepper.	T Y B Sc	3	Yogesh Ghalsasai
6	Desalination of water by carbon nano-tubes.	T Y B Sc	4	Sarang Gujar
7	Estimation of Copper in Brass alloy by various experimental techniques	T Y B Sc	3	Aniket Pawnoji
8	To study presence of insecticides and pesticides in various fruit and vegetable samples	T Y B Sc	3	Nanbhou Karanjule
9	To prepare pigments and poster paints	T Y B Sc	4	Chitra Kamath
10	To isolate lecithin from egg yolk.	T Y B Sc	3	Saurabh Shete
11	To determine acidity in tea.	T Y B Sc	3	Bright Philip
12	To prepare pigments and poster paints.	T Y B Sc	4	Nishamol Kanat
13	Preparation of Ingrain Dyes-Para Red	T Y B Sc	3	Yogesh Ghalsasai
14	Three Component Coupling (Synthesis of 3,4-Dihydropyrimidine-(2H)-ones) (Dihydroprimidinone)	T Y B Sc	3	Sarang Gujar
15	Making Models of Organic Compounds	T Y B Sc	4	Aniket Pawnoji
16	Making Models of Organic Compounds-1	T Y B Sc	3	Nanbhou Karanjule
17	Making Models of Organic Compounds-2	T Y B Sc	3	Chitra Kamath
18	Qualitative Analysis by Drop Test Method	T Y B Sc	4	Saurabh Shete
19	Estimation of Vitamin C iodometrically	T Y B Sc	3	Bright Philip
20	Protein Denaturing and Preparation of Butter Yellow Dye	T Y B Sc	3	Nishamol Kanat
21	pH of shampoos and their effect on hair	T Y B Sc	4	Yogesh Ghalsasai
22	Biodegradable plastic	T Y B Sc	3	Sarang Gujar
23	Saponification using 6 months old oil	T Y B Sc	3	Aniket Pawnoji
24	Making of ecofriendly plastic	T Y B Sc	3	Nanbhou Karanjule
25	Radical coupling reaction - preparation of 1,1 bis 2 naphthol using green procedure	T Y B Sc	3	Chitra Kamath
26	Preparation of Mn(acac) ₃ using green procedure (solvent less method)	T Y B Sc	3	Saurabh Shete
27	Extraction of caffeine from tea samples	T Y B Sc	3	Bright Philip
28	Crystal of different colors in nature	T Y B Sc	3	Nishamol Kanat
29	Percentage of caesin protein in different milk samples	T Y B Sc	3	Yogesh Ghalsasai
30	Estimation of sodium in Soft drinks using flame photometry	T Y B Sc	3	Sarang Gujar

Sr. No.	Title of the project	Class	Number of students	Mentor
31	To callibrate the laboratory glassware.	S Y B Sc	6	DilipKumar Yadav
32	To study and calculate the concentration of ascorbic acid in different fruits.	S Y B Sc	6	Veena Khilnani
33	To analyse the contents of chocolate using qualitative analysis.	S Y B Sc	5	R Chauhan
34	To study adulteration in different food items.	S Y B Sc	6	Trupti Tawde
35	Analysis of different samples of soils.	S Y B Sc	6	Sugandha Shetye
36	Analysis of water quality in and around Mumbai.	S Y B Sc	6	Vanita Kulkarni
37	Extraction of nicotine from cigarette and bidis.	S Y B Sc	6	DilipKumar Yadav
38	To determine the amount of caffeine present in tea and coffee.	S Y B Sc	6	Veena Khilnani
39	Identification of the cations and anions in toothpaste.	S Y B Sc	6	R Chauhan
40	Preparation of Buffer solution.	S Y B Sc	5	Trupti Tawde
41	To study the presence of insecticides and pesticides in various fruit samples.	S Y B Sc	6	Sugandha Shetye
42		S Y B Sc	6	Vanita Kulkarni
43	Comparing the vitamin c content among the three different sour fruit juices.	S Y B Sc	6	DilipKumar Yadav
44	To analyse the honey for presence of different minerals and carbohydrates.	S Y B Sc	6	Veena Khilnani
45	Amount of caffeine present in tea and coffee	S Y B Sc	6	R Chauhan
46		S Y B Sc	5	Trupti Tawde
47	Analysis order of sourness in sour fruit juice	S Y B Sc	6	Sugandha Shetye
48	Detection of ions presents in toothpaste	S Y B Sc	6	Vanita Kulkarni
49	Analysis of honey	S Y B Sc	6	DilipKumar Yadav
50	Capacity of buffer solution	S Y B Sc	6	Veena Khilnani
51	Chocolate analysis	S Y B Sc	5	R Chauhan
52	Estimation of saponification value of coconut oil	S Y B Sc	6	Trupti Tawde
53	To study the content of ascorbic acid in fruits 1) sweetlime 2)kiwi	S Y B Sc	6	Sugandha Shetye
54	Soil testing	S Y B Sc	6	Vanita Kulkarni
55	Water testing	S Y B Sc	5	DilipKumar Yadav
56	Adulteration in food	S Y B Sc	6	Veena Khilnani
57	Amount of casein in milk	S Y B Sc	6	R Chauhan
58	To study the presence of insecticides and	S Y B Sc	6	Trupti Tawde
59	Calibration of glassware	S Y B Sc	6	Sugandha Shetye
60	Analysis order of sourness in sour fruit juice	S Y B Sc	6	Vanita Kulkarni
61	Detection of ions presents in toothpaste	S Y B Sc	5	DilipKumar Yadav
62	Amount of caffeine present in tea and coffee	S Y B Sc	6	Veena Khilnani
63	Extraction of nicotine sulphate from sample of cigaratte.	S Y B Sc	6	R Chauhan

KJSSC Under-Graduate Research Project, Department: Microbiology

Sr. No.	Title of the project	Class	Number of students	Mentor
1	Antimicrobial activity of Spices against Gram positive and Gram negative organisms	F.Y.B.Sc	7	Ms. Chinmai Godbole
2	Study of Antibacterial activity of Honey samples	F.Y.B.Sc	8	Ms. Chinmai Godbole
3	Milestones in Microbiology – A Wall mural	F.Y.B.Sc	9	Dr. Soniya Shetty
4	The antibacterial effects of phytochemicals from peepul tree.	F.Y.B.Sc	11	Dr. Soniya Shetty
5	Aloe vera as an antifungal agent for preservation of strawberries	F.Y.B.Sc	8	Dr. Soniya Shetty
6	Study of antibacterial spectrum of antibiotic producers isolated from soil.	F.Y.B.Sc	9	Dr. Soniya Shetty
7	Probiotics from idli batter	F.Y.B.Sc	8	Ms. Pooja Nandi

Sr. No.	Title of the project	Class	Number of students	Mentor
8	Preparation of indigenous sanitizer	SYBSc	5	Dr. Unnati Padalia
9	Making of Incense stick	SYBSc	5	Dr. Unnati Padalia
10	Chromatographic characterization and evaluation of antibacterial activity of antiseptic produced from natural ingredients.	SYBSc	4	Mr. Shabib Khan
11	Effect of Media dilution on growth of bacteria	SYBSc	4	Dr. Unnati Padalia
12	Antimicrobial properties of Honey	SYBSc	4	Mr. Shabib Khan
13	Effect of Sugar and Sugar substitutes on yeast respiration	SYBSc	4	Mr. Shabib Khan
14	Concoction of Biodegradable Plastic	SYBSc	4	Dr. Unnati Padalia
15	Antimicrobial property of Coriander	SYBSc	3	Mr. Shabib Khan
16	Preparation of soap from organic substances and a comparative study of their antimicrobial property	SYBSc	4	Dr. Unnati Padalia
17	Microbial Fluid cell	SYBSc	4	Dr. Unnati Padalia
18	Preparation of Nutrient Media from vegetable waste	SYBSc	3	Dr. Unnati Padalia

Sr. No.	Title of the project	Class	Number of students	Mentor
19	Aloe Vera gel as a novel edible coating for fresh fruits and vegetables	TYBSc	5	Dr. Lolly Jain
20	Bioremediation of waste water obtained from chemistry laboratory	TYBSc	6	Dr. Swapnil Lokegaonkar
21	Citrus associated fungal pathogens	TYBSc	5	Mrs. Hemlata Chakraborty
22	Herbal power	TYBSc	5	Dr. Seema Sambrani
23	A cross-sectional study of PCOS among women of different age groups	TYBSc	5	Dr. Lolly Jain
24	Production of bioplastics from fish scales	TYBSc	6	Mrs. Hemlata Chakraborty
25	The multipurpose qudra petriplate	TYBSc	5	Dr. Seema Sambrani
26	Study of antimicrobial activity of common condiments	TYBSc	5	Dr. Swapnil Lokegaonkar
27	Myth about organic foods: To study the microbial load and nutrient content such as Iron and Magnesium level in organic vegetables comparatively with conventional vegetables (spinach).	TYBSc	6	Ms. Varsha Peghwal

**KJSSC Under-Graduate Research Project, Department: Botany**

Sr. No.	Title of the project	Class	Number of students	Mentor
1	Analysis of <i>Cassia tora</i> for its pharmacognostic properties.	SYBSc	6	Supriya Naik
2	Preparation of petha	SYBSc	1	Ketan Thatte
3	Cultivation of Mushroom	TYBSc	3	Ms.Vaishali Pingle
4	Phytochemical analysis of <i>Salvadora</i> .(Meswak)	SYBSc	3	Supriya Naik
5	Production of single cell protein from fungus.	SYBSc	2	Ketan Thate
6	Production of single cell protein from Yeast.	SYBSc	1	Ketan Thate
7	Preparation of herbal hand sanitizer.	SYBSc	6	Ketan Thate
8	Extraction of fibres from different species of palm.	SYBSc	3	Supriya Naik
9	Preparation of mosquito repellent.	SYBSc	2	Ketan Thatte
10	Comparison of caffeine content in various tea powders.	SYBSc	1	Veena Salvi
11	Effect of plant growth promoting bacteria on productivity of mustard seeds.	SYBSc	7	Jayesh Anerao
12	Extraction of essential oil from fennel and ajwain.	SYBSc	2	Meena Patankar
13	Preparation of wine from arvi roots.	SYBSc	4	Ketan Thatte
14	Phytochemical screening of <i>Celosia argentea</i>	SYBSc	3	Meena Patankar
15	Extraction of mangiferin from Leaves of <i>Mangifera indica</i> .	SYBSc	3	Meena Patankar
16	Extraction of starch from <i>Colocasia antiquorum</i> and its viscosity studies.	SYBSc	2	Meena Patankar
17	Extraction of cellulose from Ganoderma	SYBSc	3	Ketan Thatte
18	Preparation of jelly and tutti fruit.	SYBSc	1	Ketan Thatte
19	Phytochemical screening of <i>Adhatoda vasica</i>	SYBSc	1	Supriya Naik
20	Phytochemical screening of <i>Moringa oleifera</i>	SYBSc	1	Supriya Naik
21	Phytochemical screening of <i>Colocasia esculenta</i>	SYBSc	1	Supriya Naik
22	Proximate analysis of soil sample.	SYBSc	2	Shilpa Nag
23	Preparation of energy Bar	FYBSc	2	Supriya Naik
24	Encapsulation of bacterial biofertilizer.	TYBSc	3	Ketan Thatte



KJSSC Under-Graduate Research Project, Department: Physics

Sr. No.	Title of the project	Class	Number of students	Mentor
1	Temperature alert system	TYBSC	3	Dr.Meena Sharma
2	Light Fidelity (Li-Fi) SENSOR	TYBSC	3	Dr.Geeta Nair
3	Chatbot	TYBSC	3	Ms. SmitaSurvase
4	Fractal Antenna Analyser	TYBSC	3	Mr. Deepak Jalla
5	Astraw physics	TYBSC	3	Mr. Ranjit Yadav
6	Arduino Solar Tracker	TYBSC	3	Mr. KetankumarGayakwad
7	Generation of voltage using piezo transducer	TYBSC	3	Dr.ShrutiBarve
8	Laser Microscopy	TYBSC	3	Dr.PallaviRaote
9	Acoustic Levitation	TYBSC	3	Mr. Amit More
10	Earthquake Sensor	TYBSC	3	Mr. A.M.Shaker
11	Facts and myths about free energy	TYBSC	3	Dr.RuchaNaik
12	Bio-Plastic	TYBSC	3	Dr.JitendraPendharkar
13	GAS LEAKAGE DETECTION SENSOR	TYBSC	3	Ms. RanjanaShukl
14	Optical arrangement for 4F correlator	TYBSC	3	Mr. Anshul Gupta
15	Generation of Electricity using piezoelectric crystal	TYBSC	3	Dr. Deepak More
16	Parking Sensor using LDR	TYBSC	2	Ms. RanjanaShukl



KJSSC Under-Graduate Research Project, Department: Geology

Sr. No.	Title of the project	Class	Number of students	Mentor
1	Estimation of Potassium content in the soil- Thane and Borivali	TYBSC	2	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
2	Report on Soil Testing Organic Carbon Analysis	TYBSC	2	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
3	The estimation of ammoniacal nitrogen content of the soil	TYBSC	2	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
4	Estimation of Phosphate content in the soil- Borivali and Thane	TYBSC	2	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
5	Determination of soil pH i.e., Acidity or alkalinity:-	TYBSC	2	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
6	Estimation of Nitrogen Content in the Soils collected around Thane and Borivali	TYBSC	2	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
7	Soil analysis of two samples for addition of fertilizer	TYBSC	4	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
8	Chemical test{chlorine(Cl),Ammonia(NH ₄),iron(Fe)}. of groundwater near MIDC	TYBSC	2	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
9	Total hardness & Calcium test	TYBSC	2	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
10	Magnesium and nitrogen test	TYBSC	2	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
11	Flourite and phosphate test	TYBSC	2	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
12	pH and alkalinity and dissolved oxygen	TYBSC	2	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak
13	Physical tests	TYBSC	7	Dr Dnyanada, Dr Asmita, Mr. Siddharth, Dr. Jyoti, Mr Deepak



KJSSC Under-Graduate Research Project, Department: Statistics

Sr. No.	Title of the project	Class	Number of students	Mentor
1	Analysis on different age groups performing different physical activities	S.Y.B.Sc.	4	Ms. Namrata Nagwekar
2	Sex Ratio of States in India	S.Y.B.Sc.	3	Ms. Namrata Nagwekar
3	Lifeline of Mumbai	S.Y.B.Sc.	1	Ms. Namrata Nagwekar
4	Analysis of Human Body weight	S.Y.B.Sc.	1	Ms. Namrata Nagwekar
5	Urbanization	S.Y.B.Sc.	1	Ms. Namrata Nagwekar
6	Sale analysis of Noodles	S.Y.B.Sc.	1	Ms. Namrata Nagwekar
7	Preferences of people for investments	S.Y.B.Sc.	1	Ms. Namrata Nagwekar
8	Effects of Demonetization in India	S.Y.B.Sc.	1	Ms. Namrata Nagwekar
9	Mortality and economy	S.Y.B.Sc.	1	Ms. Namrata Nagwekar
10	Case Study on Global Warming	S.Y.B.Sc.	1	Ms. Namrata Nagwekar
11	Food Habits of college Students	T.Y.B.Sc.	2	Ms. Namrata Nagwekar
12	Analysis on Internal Assessment System	T.Y.B.Sc.	2	Ms. Arati Kore & Ms. Namrata Nagwekar



KJSSC Under-Graduate Research Project, Department: Zoology

Sr. No.	Title of the project	Class	Number of students	Mentor
1	Study on density of snakes in Matheran nature reserve	TYBSc	4	Dr. Amol Patwardhan
2	Identification of bacterial flora on cockroach surface	FYBSc	4	Shreya Patil
3	Survey on blood group awareness and identification of blood group of FYBSc students	FYBSc	4	Shreya Patil
4	Study on variation in protein content from different food sources	FYBSc	6	Dr. Shanti Upadhye
5	Identification of foraminiferans from sand samples of Mumbai beach.	FYBSc	6	Madhuri Padaya
6	Organoleptic analysis of shrimps obtained at different times on a same day	FYBSc	4	Madhuri Padaya
7	Survey based on awareness of lactose intolerance among common masses	FYBSc	1	Dr. Shanti Upadhye
8	Population density of crustaceans in Airoli mangroves	FYBSc	4	Madhuri Padaya
9	Survey based on effect of Coffee on sleep cycle of youngsters	FYBSc	3	Dr. Shanti Upadhye
10	Detection of adulterants in Tea Powder, Ghee and Dal	FYBSc	6	Shreya Patil
11	Water analysis of local pond	FYBSc	6	Madhuri Padaya



KJSSC Under-Graduate Research Project, Department: Biochemistry

Sr. No.	Title of the project	Class	Number of students	Mentor
1	Evaluation of In-vitro antioxidation potential of some green leafy vegetables grown using different methods of cultivation.	T.Y.BSc.		Dr. Samidha M. Pawaskar
2	Nutritional profiling of Spinach, Coriander and Methi plants grown using alternative cultivation methods.	T.Y.BSc.		Dr. Samidha M. Pawaskar
3	Comparative study of growth characteristics and nutritional assessment of some vegetables grown near railway tracks and in the farmyard in Mumbai and Thane districts respectively.	T.Y.BSc.		Dr. Samidha M. Pawaskar
4	Effect of different types of storage containers on Coliforms in the drinking water.	T.Y.BSc.		Dr. Samidha M. Pawaskar
5	Nutritional enrichment and fortification of wheat bread using various pulses and legumes.	T.Y.BSc.		Dr. Samidha M. Pawaskar

Department	Course	UG/PG students	Duration	No of students/ project	Type of projects
Geology	Igneous Petrology	UG (sy/ty)	6 months - 1 year	2 students per project	petrography
		PG(sem-IV)	1 year	2 students per project	petrogenesis
	Paleontology	PG(sem-IV)	1yrs	2 students per project	paleoenvironment studies
		UG(sy+ty)	6months-1yr	2 students per project	palynomorph studies
	Hydrology	PG(sem-IV)	1yrs	2 students per project	hydrochemistry
	Remote sensing	UG (Sy+Ty) &PG	1yrs	5 students per project	mapping
Chemistry	Chemistry	UG (sy)	3 months	5 students per project	Inorganic metal complex synthesis
		UG (ty)	3 months	4 students per project	Extarction of nature prodcuts, calculate percentage composton of various metal sources
	Physical	PG(sem-IV)	6 months	One student per project	Theorectical Study for energy calibration through Gaussian
	Inorganic	PG(sem-IV)	6 months	One student per project	Synthesis , characterization and material preparatios
	Organic	PG(sem-IV)	6 months	One student	Synthesis and characterization

Department	Course	UG/PG students	Duration	No of students/ project	Type of projects
				per project	
	Analytical	PG(sem-IV)	6 months	One student per project	Analysis of the sample through GC, ICP MS, HPLC
Physics	Physics	UG (ty)	3 months	3	General physics + electronics
	Physics	PG(sem-IV)	1 year	1	Nuclear and embedded system
Zoology	Sem 4	PG	4-6 months	1	Fishery
	Sem 4	PG	4-6 months	1	Mangrove ecosystem
	Sem 4	PG	4-6 months	1	Fishery
	Sem 4	PG	4-6 months	1	marine toxicology
	Sem 4	PG	4-6 months	1	Fishery
	Sem 4	PG	4-6 months	1	Fishery
	Sem 4	PG	4-6 months	1	marine ecology
	Sem 4	PG	4-6 months	1	marine toxicology
	Sem 4	PG	4-6 months	1	marine toxicology
	Sem 4	PG	4-6 months	1	aquaculture
	Sem 4	PG	4-6 months	1	marine ecology
	Sem 4	PG	4-6 months	1	marine ecology
	Sem 4	PG	4-6 months	1	Fishery
	Sem 4	PG	4-6 months	1	entomology
	Sem 4	PG	4-6 months	1	entomology
	SYBSC	UG (sem IV)	1 month	3	medical microbiology
	SYBSC	UG (sem IV)	1 month	2	aquaculture

Department	Course	UG/PG students	Duration	No of students/ project	Type of projects
	SYBSC	UG (sem IV)	1 month	4	neurobiology
	FYBSc	UG (Sem II)	1 month	3	economic zoology
	FYBSc	UG (Sem II)	1 month	5	ecology
	FYBSc	UG (Sem II)	1 month	1	Developmental Biology
	TYBSc	UG (Sem VI)	6 months	4	Biodiversity
Microbiology	F.Y.B.Sc.	UG Sem II	1.5 months	6 to 8	Medical Microbiology, Applied Microbiology
	S.Y.B.Sc.	UG Sem IV	2 months	6 students	Industrial Microbiology
	S.Y.B.Sc.	UG Sem IV	2 months	8 students	Applied Microbiology
	S.Y.B.Sc.	UG Sem IV	2 months	6 students	Basic Enzymology
	S.Y.B.Sc.	UG Sem IV	2 months	8 students	Food Microbiology
	S.Y.B.Sc.	UG Sem IV	2 months	7 students	Dairy Microbiology
	TYBSc	Sem IV	6 months	5	Applied Microbiology
	MSc	PG Sem IV	6 months	1	Food microbiology
	MSc	PG Sem IV	6 months	1	Industrial Microbiology
	MSc	PG Sem IV	6 months	1	Food microbiology
	MSc	PG Sem IV	6 months	1	Immunology
	MSc	PG Sem IV	6 months	1	Cancer Biology
	MSc	PG Sem IV	6 months	1	Fermentation Technology
	MSc	PG Sem IV	6 months	1	Applied Microbiology
	MSc	PG Sem IV	6 months	1	Applied Microbiology

Department	Course	UG/PG students	Duration	No of students/ project	Type of projects
	MSc	PG Sem IV	6 months	1	Dignostic microbiology
	MSc	PG Sem IV	6 months	1	Applied Microbiology
	M.Sc.	PG Sem IV	6 months	1	Applied Microbiology
	M.Sc.	PG Sem IV	6 months	1	Applied Microbiology
	M.Sc.	PG Sem IV	6 months	1	Applied Microbiology
Environmental Science	UG		6months - 1 Year	2	Water - Treatment
	PG		6months - 1 Year	2	Water - Treatment
	PG		1 Year	4	Water - Monitoring
	PG		1 Year	4	Water - Monitoring
					Water Monitoring - Surface water
	PG		6 Months	2	Water - Microplastics
	UG		6months - 1 Year	6	Agriculture and Soil Health - Chemical Analysis
	PG		6months - 1 Year	4	Agriculture and Soil Health -Social & Financial Analysis
	PG		6months - 1 Year	2	Agriculture and Soil Health -Organic Farming
	PG		6months - 1 Year	2	Agriculture and Soil Health -Climate Resilient Agriculture
	PG		6 months	2	Indoor Air Quality Monitoring
	PG		6 Months	2	Ambient Air quality Monitoring
	PG			4	Natural Mitigation of Air Pollution
	PG		6months - 1 Year	2	Solid Waste managemnt
PG		6months - 1 Year	2	Solid Waste managemnt	

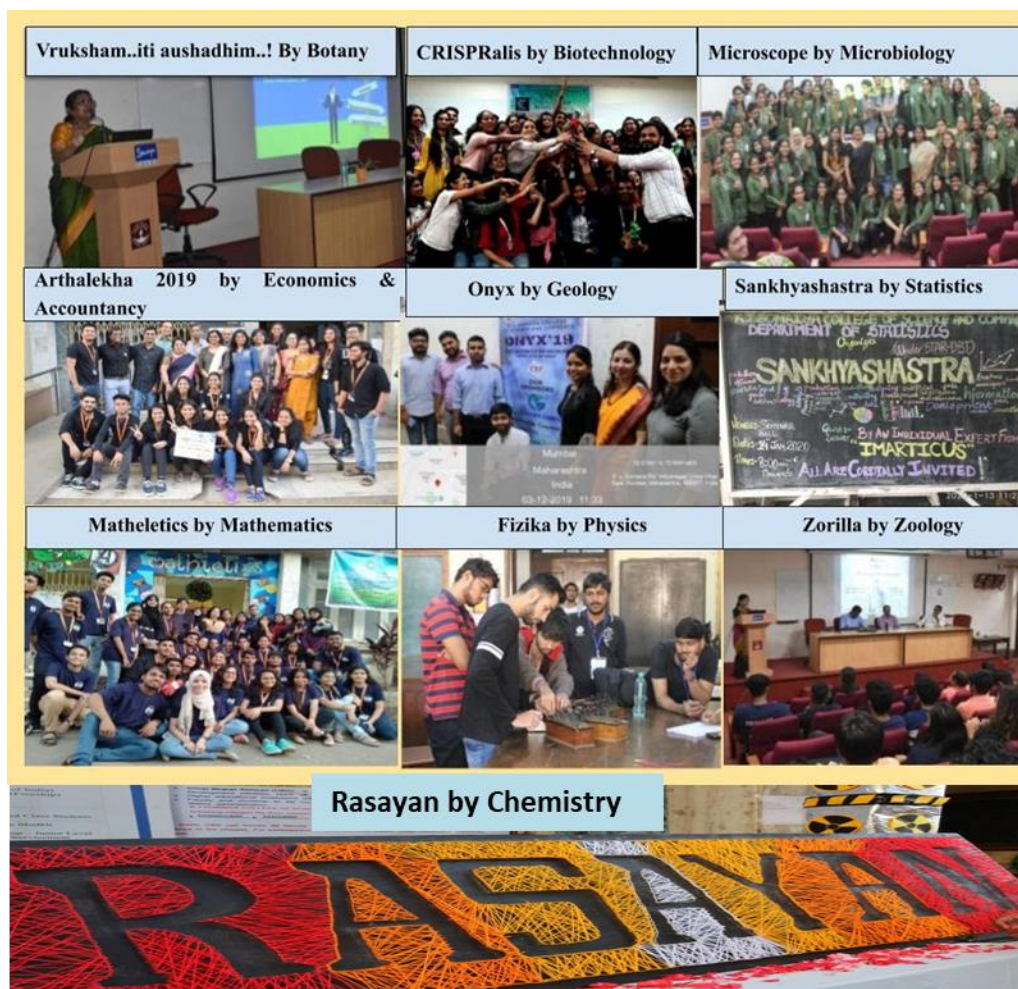
Department	Course	UG/PG students	Duration	No of students/ project	Type of projects
	PG		6months - 1 Year	2	Solid Waste managemnt
	PG		6 months - 1 Year	2	Solid Waste managemnt
	PG		1 Year	2	Climate Science
	PG		1 Year	2	Climate Resilience
	PG		6 months - 1 Year	2	GIS & remote Sensing
	PG		6 months - 1 Year	2	GIS & remote Sensing
	PG		6 months - 1 Year	2	GIS remote Sensing
	PG		6 months - 1 Year	4	Ecology & Biodiversity
	PG		6 months - 1 Year	2	Ecology & Biodiversity
	PG		6 months - 1 Year	2	Ecology & Biodiversity
	PG		6 months - 1 Year	2	Ecology & Biodiversity
	M.Sc. Nutraceuticals	PG		6 months - extendable	6
PG			6 months - extendable	7	Determination of Nutraceuticals adjuvants for a chemotherapeutic regime using mathematical modeling - In collaboration with MSU
PG			6 months - extendable	7	Determination of Nutrional Status in different populations in India - In collaboration with MSU / ISKCON
Biotechnology 2019-20	Semester 1 to 6	UG	6 months - 1 Year	4	Environmental Biotechnology
		UG	6 months - 1 Year	3	Algal Biotechnology
		UG	6 months - 1 Year	3	Fermentation Technology



Department	Course	UG/PG students	Duration	No of students/ project	Type of projects
		UG	6 months - 1 Year	1	Phytoremediation
		UG	6 months - 1 Year	2	Toxicology using Experimental Systems
		UG	6 months - 1 Year	1	Enzymology
		UG	6 months - 1 Year	2	Nutrition

Annual Departmental Festivals

Annual Department festivals are celebrated by each of the departments of the college. Every festival has a unique subject based theme and they are packed with activities, competitions, guest lectures, workshops, awareness programs, exhibitions, documentary screenings etc. These festivals provide opportunities for students to think out of the box and inculcate abilities like team work, problem solving, effective communication, mass addressal.



FDPs attended by faculty members

In this academic year, several faculty members completed the Orientation Course, Refresher Course, STC and other faculty development programmes successfully.

Two faculty members completed the Orientation program from Academic staff college whereas other two members completed the Induction program for IISER, Pune. 10 faculty members completed the refresher course whereas one member opted for online refresher Course, ARPIT-2020.

CAS promotions

CAS Interviews for the Faculty were scheduled from 20th January and 4th March, 2020. During this period 7 staff members from Stage 1 to 2, 1 staff member from Stage 2 to 3 and 5 staff members from Stage 3 to 4 were interviewed by the panel.

Academic audits and Exam audit

Academic Audits for the year 2016-2017 and 2017-2018 were held on 8th June, 2019

Dr. Debajit N. Sarkar, Principal L.S. Raheja College of Arts and Commerce, Mumbai; Dr. Ashok Wadia, Principal Jai Hind College of Arts, Science and Commerce, Mumbai; Dr. Vaijayanti Ranade, Former Vice-Principal and Head-Department of Microbiology G. N. Khalsa College, Mumbai; and Dr. (Mrs) Pramoda S Pillai, Associate Professor and Head, Department of Chemistry, Guru Nanak College, Mumbai visited the College for the Academic Audit.

Academic Audit for the year 2018-2019 was held on 12th June, 2019

Dr. Sunil Mantri, Director, Professional Higher and Technical Education, Mumbai; Dr. Vikas Vaidy,- Principal, Royal College, Mira Road, Thane; Dr. B.B. Sharma, Principal Vaze College, Mumbai; Dr. Avinash Patil, Principal B. K. Birla College, Kalyan and Prof. Dr. K. Aruna, Former Vice-Principal and Head



Department of Microbiology, Wilson College, Mumbai visited the College for the Academic Audit.

Examination Audit for the year 2018-19 was held on 4th December, 2019

Dr. Marazban Kotwal, Chairman COE, St. Xavier's College, Mumbai, Dr. Sachin Bhagat, Expert Member COE, Patkar-Varde College Mumbai, Dr. Anita Kantute, Expert Member, COE Somaiya Engineering College visited the College for the Exam Audit.

Induction Program - Swagatam 2019-20



Three days Induction Program “Swagatam” was organized by IQAC, for the first-year students from 8th July to 10th July 2019. This program was arranged for new students to help them adjust and feel comfortable in a new environment, inculcate in them the ethos and culture of the institute, help them bond with the other students and faculty and expose them to a sense of larger purpose and self-exploration. This program consisted of various introductory sessions on NCC, NSS, Library, DLLE, Tutor mentor, Exam etc. as well as some

lifestyle improvement and attitude building sessions on Yoga, Environmental awareness and Value education.

52nd Youth Festival Zone II (Literary Arts and Fine Arts)

In the month of August 2019, our college got the opportunity to host the 52nd Youth Festival Zone II (Literary Arts and Fine Arts) organized by the University of Mumbai. We bagged the third prize in group singing in the zonal round.



SciCo Expo 2019 - an intra campus Fun Fair

On 18th December 2019, the Cultural Forum of the College brought into action, 'SciCo Expo 2019', a Fun Fair event. With a total of 20 stalls, comprising foods, drinks, accessories, games, handicrafts and other items, and a footfall of 1200-1500 people.



Surabhi 2019 and Asmita 2019

Surabhi 2019 and Asmita 2019 are the annual fests of the college. With the fests the forum also celebrated a cultural week which celebrated different days like Saree/Blazer Day, Back to School Day, Retro Day, Gown/Tie Day, Traditional Day etc.

Not only the Collegiate fests and Competitions The Cultural Forum was as involved as the teachers and other students of college for the Annual Day celebrations on 24th December 2019



Research Updates

Minor Research Projects worth Rs. 3,77,000/- were awarded to college faculty by University of Mumbai.

Minor Research Projects (Sanctioned by University of Mumbai) 2019-2020

Sr. No.	Department	Principal Investigator	Sanctioned amount
1	Microbiology	Dr. Unnati Padalia	40000
2	Chemistry	Dr. Mithun Mondal	40000
3	Biochemistry	Dr. Samidha M Pawaskar	40000
4	Biochemistry	Dr. Heena Shah	40000
5	Biochemistry	Dr. Ketan Ranade	25000
6	Physics	Ketankumar Gayakvad	50000
7	Physics	Anshul Gupta	40000
8	Business Law	Dr. Archana Padagonkar	55000

9	Economics	Ms. Medhavini Khare	25000
10	Accountancy	Sachin Vilas Acharekar	22000
		Total	377000



Two applications innovated by Commerce students, MOSS and Quickfoodzz

MOSS, The concept of 'moss' is based around digitally linking college with all the students at all times. The app has been designed by the students of KJSSC (Akshay Sheth, Preen Shah, Dhvani Avlani, Swarangi Bhagat, Rajshree Sawant) under riidl's Project-Based Learning initiative. Ninad Sheth (an alumni of KJSCE -Batch of 2018) helped in the development of the application.



Quickfoodzz (www.qfoodzz.in) is a project under RIIDL to digitalize canteen service. This promotes the PM Digitalizing India concept. This startup is by commerce students of KJSSC and SKSSC - Aniket Arvind Shinde, Drishti Dawara, Alka Singh, Roshni Prajapati, Rohit Sharma, Raj Patel and Bhavya Patel.

171 UG Research Projects and 141 PG Research Projects

In this academic year, a large number of UG as well as PG students undertook research projects. PG students worked on the projects in the fourth semester as a part of their dissertation. Several students joined national and state level labs for internships like NIO, CIFE etc. UG projects were funded by DBT Star Grant where students worked on individually or in groups on various interdisciplinary projects.

RESEARCH PUBLICATIONS

SCOPUS LISTED:

- 1) Reactivity of nickel metal precursors towards amido linked N-heterocyclic carbenes and their catalytic studies for cross coupling reactions, S. Nagar, S. Chatterjee, D. Goswami, D. B. Cordes, A.M.Z. Slawin, Rohit Singh Chauhana, Pradnya Prabhu, Inorganica Chimica Acta 504 (2020) 119446-119451. (Impact factor: 2.433)

- 2) Reactivity of hemi-labile pyridyl and pyrimidyl derived chalcogen ligands towards group 10 metal phosphine precursors, Rohit Singh Chauhan, New J. Chem., 44 (2020) 2689-2696 (Impact factor: 3.069)
- 3) Dnyanada Salvi (2019) Thermochemical insights into the thermotectonic evolution of Mishmi hills across the Dibang valley, NE Himalayan Syntaxis. Journal of Asian Earth Sciences, 190. Impact factor: 2.7

UGC-CARE JOURNALS:

- 4) Amit Shrinivas Dixit. (2019). A Study on Indian Armed Forces- India's Super Power. Think India Journal, 22(33), 315-322.
- 5) Shabib Khan (2020) Challenges Associated with Flipped Classroom and Creation of E-content in Education. Think India Journal, 22(28) 1-5.
- 6) Shabib Khan (2020) Evaluation of Inclusive Teaching Strategies on the Holistic Development of a Learner. Shodh Sarita Journal, accepted
- 7) Shabib Khan (2020) Impact of Learning Management Systems and Open Education Resources on Science Education. Xplore Journal, 11(1) 35-42.

Tutor Mentors Scheme

The main objective of this scheme is to help the students to strengthen their varied capabilities and to build an interpersonal relationship between the teachers and students. Each teacher was assigned with the task of mentoring 25-30 students. The mentor should establish consistent communication with the students and counsel him / her wherever necessary and closely monitor the growth of the students.



MOU was signed by WDC and Bharatiya Stree Shakti

MOU has been signed for 5 years between our college WDC and Bharatiya Stree Shakti, an NGO. Seema Deshpande of Bharatiya Stree shakti was present.

International Relations and Academic Collaborations

MoUs

Committee members worked for helping various departments to collaborate with Industries. Several linkages were also established with industries and academic organizations for Internships. In this academic year, nine MoUs were signed by the college with different institutes, organisations and industries while four MoUs are in process.

Campus To Corporate by E-cell IIM Calcutta In Association with Make intern

On 27th and 28th January 2020, a 2-day National Level Cum Certification Program on Campus to Corporate as organized. 90 students attended this program. Students were guided to face the world outside the Somaiya Campus.

International Relations (SVV International Relations)

Delegates from University of Padova, Italy presented opportunities to study in Italy to Master's students of Zoology, Biochemistry, Biotechnology and other departments. On Tuesday 11th February 2020, 35 students attended this program.



Inter collegiate Workshop for CSIR_UGC_NET (Life Science) Exam Guidance

An Inter collegiate Workshop on CSIR_UGC_NET (Life Science) Exams was held on 19th October, 2019. The resource person for this workshop was Prof. Bhupendra Pushkar, University of Mumbai. 155 students & 4 staff members attended this workshop.



Udaan 2020

Udaan 2020, University Level Festival, was held on 29th and 30th January, 2020. It is an intercollegiate Street Play and Poster Competition which focusses on Social issues. Smt. Sabiha More, Assoc. Prof., Smt. Surajba College of Education and Dr. Bhanu Raman (Retd. Prof., KJSSC) were invited as Judges. 380 students participated on Day 1 and 330 on Day 2.



Career Fair

Career Fair and Talk on “Making a Successful Career in Accounts and Finance” was organised on 5th February, 2020. Resource Person for the talk was Shilpy Goel, Certified Industrial Accountancy Plus, Ghatkopar (East). 95 students of Commerce attended the event. Seven organizations had put up a career counselling stall in the college premises on the account of Career Fair. Guest Lecture on Diploma/Certificate Courses for Paramedical Job opportunities was organised on 15th June 2019. Resource Person for this lecture was Mr. Sameer Joshi, Founder and Chairman at Trascender Services Private Limited. 320 Science students attended this talk.



Industrial Visits

In this academic year departments visited several institutes like CSIR NCL, Pune; National Agri-Food Biotechnology Institute, Mohali; NOI, Goa; Nijalingappa sugar institute, Bengaluru; IUCAA, Pune; Radio astronomy Center, Ooty; National Agri Food Biotechnology Institute, Punjab as well as industries like Rapture Biotech International Private, Noida; Woodmac Industries, Amritsar, , Godavari Biorefinary, Karnataka; E.G Pharmaceutical, Himachal Pradesh; Rapture Biotech International Private, Noida; Woodmac Industries, Amritsar



Career development talk by Accountancy

On 5th February 2020, Department of Accountancy organized a talk on “Making a Successful Career in Accounts & Finance” by ICA EDU SKILLS which was attended by 112 students of T.Y.B.com. in seminar hall. The lecture was delivered by Mr. Gaurav who is faculty of ICA.



Teacher Training Workshop

The Department of Business Communication organized a teacher training workshop by Nicholas Reishus, Language fellow, U.S.Consulate on 14th December 2019 for the teachers of English from Somaiya Campus.

Certificate Courses on Communicative English and Employability Skills

The Department of Business communication organised 2 certificate courses titled Communicative English and Employability Skills for the students in association with the US Embassy between 27th January to 9th March 2020. Seventeen and thirty students registered for the courses respectively. Mr Nicholas Reishus, Language Fellow, U.S.Consulate, was the resource person.



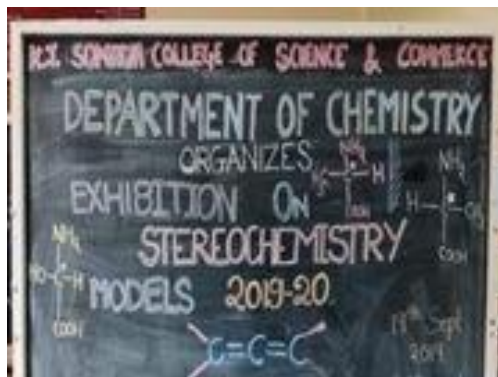
Workshop on Gender Sensitization

Gender sensitization workshop was conducted by WDC in association with department of chemistry on 22nd August 2019. Ranjana Karoor and Nutan Varerkar of Bharatiya Stree Shakti were the resource persons. It was attended by 110 students and 12 teaching staff members.



Exhibition on Stereochemistry models

M.Sc. students of Organic Chemistry presented stereochemistry posters and models using ear buds, ball and stick models, paper models and various other materials. This exhibition was held on 19th September 2019. 80 students of UG and PG participated in making this workshop successful.



Solid State Exhibition

On 27th August 2019, M.Sc. students of Inorganic Chemistry presented Solid state chemistry posters and models using ear buds, ball and stick models, paper models and various other materials.



Workshop on Schrodinger software

Workshop on “Schrodinger Software Training” was organized Under CPE on 12th and 16th July 2019. Resource Persons for the workshop were Dr. Prajwal Nandekar and Ms. Shelvia Malik from Schrodinger Inc. Bangalore and Prof. Prashant Kharkar, NMIMS Pharmacy College. 14 Staff members of Chemistry, Biochemistry and biological sciences of KJSSC Participated in this workshop.

Lecture series “Learn from stalwarts”

Lecture Series “Learn from Stalwarts” was held from 10/02/2020 to 11/02/2020. There were a total 06 sessions of one and half hours for two days. 90 Students attended this program.

Resource person:

- 1] Dr. Suvarn S. Kulkarni Professor, FRSC, Department of Chemistry Indian Institute of Technology Bombay
- 2] Dr. Dheeraj Jain Scientific Officer Chemistry Division Bhabha Atomic Research Centre Trombay
- 3] Dr. Ashwini Kumar Srivastava Professor of Analytical Chemistry University of Mumbai
- 4] Prof. Vivek Polshettiwar Department of Chemical Sciences (DCS), Tata Institute of Fundamental Research Homi Bhabha Road, Colaba
- 5] Prof. Anant Kapdi UGC-FRP Assistant Professor Department of Chemistry, ICT, Maharashtra Mumbai
- 6] Dr. Adhish Tyagi Scientific Officer “E” Chemistry Division Bhabha Atomic Research Centre Trombay



Online International Short Term Course – IYPT 2019 program

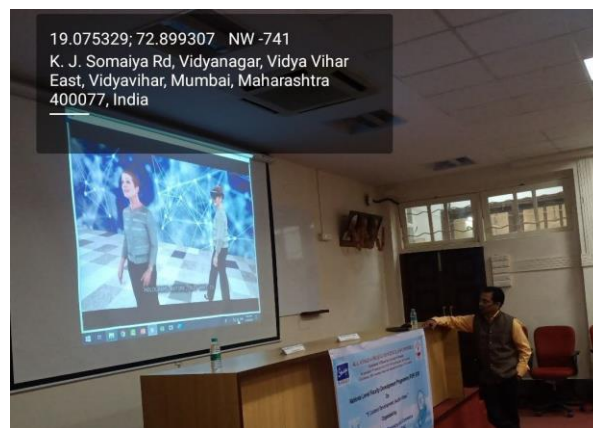
IYPT 2019 program was conducted from 15 October 2019 to 15 Jan 2020. It was a three month online international short term course jointly organized by IARC, UNESCO, IYPT 2019 to celebrate International year of periodic table 2020. 122 students enrolled for this course.

Workshop on recent trends in nuclear sciences & societal applications

Workshop on recent trends in nuclear sciences & societal applications was organized by the department of Chemistry and IANCAS BARC was conducted on 25th January 2020, 120 students participated in this workshop.

Faculty Development Programme on “E-Content Development”

A National Level Faculty Development Programme on “E-Content Development”, was organised by the Department of Chemistry and Commerce in association with IQAC of college on 28th and 29th February, 2020. The resource persons invited were the partners of the organization –“Knowledge Bridge”- Mr. Bhushan Kulkarni (Pro trainer with twenty years of experience in IT training and film making) and Mr. Eknath Kore, (personal Technical Support with 25 years of experience in IT hardware and administration). The workshop was well taken and appreciated by all the 60 participants.



Expert Talks by Geology

Dr. S.K. Biswas (Retd. Professor and Scientist) gave a Talk on Classification of Sedimentary Basins of India on 17th September, 2019.

Industry Expert Mr. Abhijeet Banerjee gave a talk on Applications of remote sensing in Landuse, landcover and geological mapping on 11th December, 2019.

On 3rd December, 2019 Mr. Arijit Chaudhari gave a talk on climate change.



Sage and Python workshop

The Department of Mathematics, conducted a 2-day workshop on use of SAGE Software for the students of T. Y. B. Sc (Mathematics), on 21st and 22nd November, 2019. The guests invited for conducting the workshop were Dr. V. Parthiban and Dr. S. Dhanasekar, assistant professors of Mathematical Division, at the School of Advanced Sciences, Vellore Institute of Technology, Chennai. A workshop on Python was conducted by Ms. Maya Nair, Assistant Professor in Computer Science at SIES college, Mumbai on 19th and 20th of September, 2019 for the students of TYBSc and M.Sc. Mathematics.



Parents Teachers Meet

A Parent Teacher meeting was organised by the attendance committee on 10/08/2019. Around 125 parents attended the meeting with their wards.



STAR-DBT activities

Medicinal Plant Garden

Medicinal plant garden was set up under STAR-DBT Scheme by TYBSc Botany students. Few valuable plants like Bharangi, Vekhand, Arjun, Karpurtulsi, Jaiphal, were potted and maintained in this garden.



Student Solar Cell Ambassador



The year 2019 is being celebrated as the 150 th Birth year of Mahatma Gandhi across the globe. To celebrate this occasion, we had organised a Student Solar Ambassador workshop on 2 nd October. 2019 in collaboration with IIT Bombay. The Student Solar Ambassador Workshop is the seed concept of the Gandhi Global Solar Yatra. Gandhi Global Solar Yatra (GGSY) is a global public movement which aims to promote “Energy Swaraj” or Localized energy self- sufficiency for mitigating climate change and sustainable development. The aim of this workshop was to sensitize the young (future) generations who will be bearing the maximum burden of climate change. As a culmination event, Students Solar Ambassador workshop was organized to train our 1005 students to assemble solar study lamp on 2nd October 2019, marking the 150th birth anniversary of Mahatma Gandhi, who epitomized the cause of non-violence (principles) in college campus. These students were trained to assemble solar lamp by team of 40 teachers who obtained training from IIT, Bombay on online platform. On the day pledge towards nonviolence to the environment was taken by all gathered group of solar ambassadors.

Wall mural on MILESTONES IN MICROBIOLOGY

A wall mural on ‘MILESTONES IN MICROBIOLOGY’ was made by the F.Y.B.Sc. students of Microbiology depicting the historical developments in the field of Microbiology. It was inaugurated by Principal Dr. Pradnya Prabhu on the occasion of National Science Day on 28th February 2020.



Food festival by Microbiology

On 28th January 2020 One Day exhibition was held on “Microbiome food Festival” in collaboration with Microbiology society of India.



One day symposium on Intellectual Property Rights

On January 3rd, Department of Microbiology, under star DBT, in association with Institutions Innovation Council (IIC) formed under auspices of MHRD sponsored one day symposium on

Intellectual Property Rights (IPR). Approximately 80 students were in attendance. There were the following 4 speakers in the symposium, **Mr. Paresh Chinchole** (Lawyer/ Patent Agent, Indian Patent Office/Trademarks Attorney), **Dr. Mrunal Gokhale** DST, Woman Scientist 'C', **Ms. Devika Purav** IPR Attorney, Practicing Mumbai Highcourt, **Ms. Anushri K.** Asst. Controller of Patents and Designs, Patent Office, Mumbai



IARP Workshop, Light Show and National Conference by Physics

IARP Workshop was organized on 1st February 2020. 90 students from different colleges attended this workshop. It consisted of lectures, hands-on training on various gadgets used for radiation detection, lecture on Careers in science and a skit presentation.

National conference Two days National Conference was organised on 29th and 30th November 2019. 14 participants presented their papers during this conference.



Light Show Demonstrating various optical phenomena on 3th & 4th December, 2019. 300 students from eight different institutes visited.



Workshop on Python by Statistics

This workshop was organised every Saturday for approximately 30 hours. It was a one-credit course. 25 T.Y.B.Sc., 02 M.Sc. and 02 alumni statistics students registered for this workshop.

Activity for Underprivileged Children

An Interaction with underprivileged students was organized by students under Zoology Club in collaboration with Robinhood Army at Shahid Kamte Udyan, Chedda Nagar, Mumbai on 14th December 2019. Around 14 TY.BSc Zoology Students had organized various environmental awareness and health hygiene related activities for the children. Volunteers interacted with 100 children.



FIST Supported Activities

Staff Training Program

Department of Business Communication Organized a residential staff training program for newly recruited staff on 16-17 July 2019. 80 staff members attended the same.

Two Day Training Programme on ‘Campus to Corporate’

A Two Day Training Programme on ‘Campus to Corporate’ in association with Make intern and E-Cell (IIM Calcutta Event) scheduled from 27th -28th January 2020.



Molecular biology workshop by Microbiology

Five day Hands on workshop on Basic Molecular Biology techniques in association with ZOE



LifeSciences Laboratory LLP from 9th July 2019 to 13th July 2019 for the T.Y.B.Sc LLP

Workshop on Beekeeping by Zoology

Two Day Workshop on Scientific Beekeeping was organised by the Zoology department at Organic Bee Farm by Dr T. B. Nikam, Former Head, Department of Zoology, RYK College, Nasik from 29th July 2019 - 30th July 2019 for 40 T.Y.B.Sc students. Students were given hands-on training to handle Bee hive.



Acting Workshop by Cultural Forum

An acting Workshop was conducted from 30th October to 9th November, under the guidance of Mr. Suyash Purohit. The objective of this workshop was to help students recognize their inner talents and to also help them to polish it.



STUDENT ACHIEVEMENTS

Biotechnology

- Zainab Nayani, MSc I Biotechnology was awarded 1st prize at the National level essay competition organized by Microbiologists Society India
- Nupur Kurulkar, SY Biotechnology was awarded woman of the match for Box cricket at Somaiya Games 2019-2020 and Woman of the series at TOSS, Somaiya 2019-2020



- Biotechnology department Received the Rolling Trophy for Operon 2019-2020, the Departmental fest of Biotechnology Department, SIES College, Sion, Mumbai on 02nd January 2020
- Biotechnology department received the Rolling Trophy for Chimera 2019-2020, the Departmental fest of Biotechnology Department, Ruia College, Matunga, Mumbai on 03rd January 2020



Geology

Mr Vidyesh Sathe Msc II	Selected for the poster presentation at the Indian Planetary Science Conference, 19-21 Feb 2020 at Physical research Laboratory, Ahmedabad.
Disha Wagh (MSc I)	Got scholarship of 48000 Rs from ONGC
Astha Tyagi Msc II	Selected for expedition at NIO Goa in Bay of Bengal in research cruise RV Sindhu
Yashaswi Nagar MSc 2019 batch	Successfully participated in the Guinness World records for the largest Indian cinematic music band with 1000 members on 24 th Jan 2020
Five students of TYBsc cleared JAM 2020	Divya Belnarkar, Abhishek Pande, Vivek Iyer, Ankita Ghoke, Bhawana Dawande

Statistics

The following S.Y.B.Sc. Statistics students attended National Level poster competition "Sankhyakriti" organised by Vishwakarma University, Pune on 31st January, 2020


- Poster titled DLS method & they won 3rd prize

1. Ms. Vishakha Adawade
2. Mr. Pratik Gangurde
3. Ms. Tejal Mate



- Poster titled Application of Statistics in Climate Change & they won 1st prize
 1. Mr. Arun Yadav
 2. Mr. Jitendrakumar Vishwakarma
 3. Mr. Anuj Rai

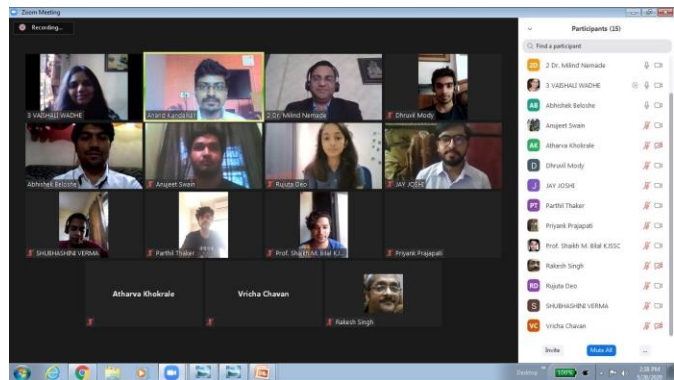
Unaided Commerce

 <p>Ms. Vidhi Teckchandani Student of FYBMS</p>	<p>SPORTS</p> <ol style="list-style-type: none"> 1) ASKAM MAHARASHTRA STATE KICKBOXING FEDERATION CUP 2020, State level, held on 12th Jan, 2020 – Won Gold 2) WAKO INDIAN OPEN International Kickboxing Tournament Event - 2 LC 029 J F, International Level, held on 9th Feb to 13th Feb, 2020 – Won Gold 3) WAKO INDIAN OPEN International Kickboxing Tournament Event - 3 KL 029 J F, International Level, held on 9th Feb to 13th Feb, 2020 – Won Gold
---	---

Computer Science

50 students submitted their research work at ICAST2020 - International Conference on Advances in Science and Technology, under ELSEVIER-SSRN© Publications organized by K.J Somaiya Institute of Engineering and Information Technology, Sion; under the vision of Dr. Suresh Ukarande.

25 papers got selected out of which 12 registered successfully for the Conference and Presentation therein.



Awards and Prizes 2019-20



- (a) Ms. Shreya Nair (T.Y.B.Sc Microbiology): Award for best student academic year 2019-20.
- (b) Ms. Meenal Koli (S.Y.BMS) Award for best Girl student academic year 2019-20.
- (c) Dr. Meena Sharma (35 Years' service, Associate Professor, Physics Department)
- (d) Mrs. Madhavi Kate (35 Years' service, Head, Chemistry Department): Award for Long service
- (e) Mr. D. B. Yadav (31 Years, 8 months service, Botany Department)
- (f) Mr. Chandrakant Patade (31 Years, 8 months service, Biology Department): Award for Long service (Non-Teaching).

World day against Trafficking in Persons

The Department of Law observed World day against Trafficking in Persons on 30th July 2019. The speaker for the day was Ms Amrit Kaur Jagdev, Associate Director, International Justice mission, an international NGO.



'Democracy Fortnight'

The Department of Business Law and Lifelong Learning & Extension along with the NSS and NCC Unit celebrated the 'Democracy Fortnight'. The celebration commenced on 03rd February 2020 with the inauguration in the presence of Mr Devendra Bhujbal, DGIPR Government of Maharashtra along with Mrs Ashatai Bhujbal. A poster competition on the said theme was organized during the celebration.

Rakshabandhan Celebration

As a community work on 14th August, 2019, members of Commerce Club met rickshaw drivers and tied them Rakhi on the occasion of 'Raksha Bandhan' and distributed them masks. Students also explained to them the impact of air pollution on their health and importance of using those masks.



National Statistics Day by Statistics

On Saturday 29th June 2019, the students of S.Y.B.Sc. and T.Y.B.Sc. celebrated National Statistical. Guests of honor were Mr. Vipul Mehta (BTech IIT Mumbai, Chartered Financial Analyst, Founder, MD-EdHolla, Author- 3 Chemistry Books) and Mrs. Ashwini Gokhale (BTech IIT Mumbai, MBA- Wharton Business School, USA). Also students gave presentations on the topics: i) Application of DLS method in cricket ii) Analysis of the sales of paracetamol iii) Forensic statistics.



International Yoga Day

On 21st June 2019 the International Yoga Day was celebrated by self financing courses



in collaboration with NCC. The Yoga Day was celebrated by chanting of Omkars followed by Yogaasnas like Anulom Vilom, Manjarasana, Vruttasana, Vrajasana, Taddasana, Trikonasana, Settubanadasana, Pawanmuktasana, Paschimotasana, Bhamri etc. 71 students were present for this activity.

Abdul Kalam Birth anniversary by Library

Abdul Kalam Birth anniversary was celebrated on 15th October 2019 by arranging book exhibitions on general reading books.

