

K J Somaiya College of Science and Commerce

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

Annual Report 2020-21

K. J. Somaiya College of Science and Commerce, founded in 1972, is one of Somaiya Vidyavihar's most well-known colleges.

The institution has been acclaimed for its professors, research culture, and democratic leadership since its founding.

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 and postgraduates through innovative teaching, personalized advisement and strong support for undergraduate research and active learning.

The dedication of the college administration, labs, and library support personnel is also noteworthy. They are encouraged to enroll in various training programmes on a regular basis in order to enhance their job quality and offer value to the firm.

Students, who are our most important stakeholders, participate in a variety of learning communities that help them improve their talents and sense of possibility; they form strong friendships and connect to local and global communities through internships, service learning, and community service.

The varied curricular options allow students to pursue specific interests, participate in student clubs, and prepare for specialised graduate and professional programmes.

AUDITS

- **Gender Audit :**
Gender audit was conducted during the academic year 2020-21
- **Green Audit :**
Green audit was conducted during the academic year 2020-21
- **Examination Process Audit:**
Examination Process Audit was conducted during the academic year 2020-2021
- **Academic Audit :**
Academic Audit was conducted during the academic year 2020-21
- **ISO :**
The institution received ISO 9001:2015 certification

- **National Institutional Ranking Framework (NIRF) :**
The institution participated in NIRF in the academic year 2020-21
- **Atal Ranking of Institutions on Innovation Achievements (ARIIA)**
The institution received 2.5 stars
- **India Today**
The institution received an overall 59th rank
- **NPTEL:**
The institution was recognized as Active learning centre
- **Virtual Lab:**
The institution was ranked as one of the top users of Virtual Labs (promoted by UGC and AICTE)

EDUCATIONAL EXCELLENCE AWARD

- The institution was awarded with Best Under Graduate college in Maharashtra 2021 for outstanding and exemplary contribution towards Education , Skill Development and Research by Centre for Education Growth and Research (CEGR) on 30th December 2021 during 16th RashtriyaShikshaGauravPuraskar ceremony 2021

CERTIFICATE OF APPRECIATION

- A letter of appreciation from Municipal Corporation of Greater Mumbai for voluntary services rendered by our NSS students during Covid-19 pandemic.
- Certificate of Appreciation was presented to the NSS Unit of KJSSC for volunteering on the occasion of World Wetlands Day, 2021 for the Wetland Clean-up Drive on 1st February, 2021
- Certificate of appreciation by RGNIIPM , Government of India, Ministry of Commerce and Industry for efforts in conduct of online workshop on IPR awareness on 09thSeptember 2020

AWARDS RECEIVED BY FACULTY MEMBERS IN THE FIELD OF RESEARCH

- Shaikh Mohammad Bilal N, Shreyal Kulaye, Property price prediction application developed using machine learning algorithm, 27/11/2020, First Best Paper
- Shaikh Mohammad Bilal N, Uddhav Deorukhkar, Healthcare Chatbot System with an Emergency Virtual Assistance, 27/11/2020, Second Best Paper



- Shaikh Mohammad Bilal N, Joel Kabangu, High-Security Online Shopping Website Using Web Programming and Network Security Technology, 27/11/2020, Third Best Paper
- Shaikh Mohammad Bilal N, Khushal Senghani, Artificial intelligence based Information Retrieval System using Video Montage Technique, 28/11/2020, First Best Paper
- Dr. Soniya Shetty, Ms. Bhavna Pandya, received the award for Best paper presentation for her paper titled “Bacterial degradation of sericin for degumming of silk fibres- A green approach from 1/3/21 - 2/3/21,

Research Report

2020-21

RESEARCH PUBLICATIONS

SCOPUS LISTED:

1. Optimization of prodigiosin biosynthesis by *Serratia marcescens* using unconventional bioresources, Bhagwat, A., Padalia, U, Journal of Genetic Engineering and Biotechnology, (2020) 18:26
2. Prevalence of Candida Co-infection in Pulmonary Tuberculosis, Dr. Vidya Shetty, Dr. Unnati Padalia, Dr. Sapna Malik Dr . Jyothirlatha, Bangera, European Journal of Pharmaceutical and Medical Research, Vol 8, Issue 2, 2021. 470-474.
3. A serendipitous isolation of cocrystallized platinum–tin complexes: synthesis, structure and theoretical exploration. Rohit Singh Chauhan, S. K. Singh, A. Tyagi, James A. Golend and A. L. Rheingold New Journal of Chemistry, (2020) 44 (48) 20945-20955
4. A concise review of baseline facts of sars-cov-2 for interdisciplinary research. Adish Tyagi, Sandeep Nigam, Rohit Singh Chauhan Chemistry Select (2020) 5 (35) 10897-10923.
5. Adsorption of Ni (II) ions from aqueous solution using Rice Husk Powder as low cost adsorbent. Choudhari Smita V, Shetye Sugandha S. and Patil Satish D. (2020) Research Journal of Chemistry and Environment.

UGC-CARE JOURNALS:

1. Anirban Roy and Supriya Janbandhu (2020) An ethnobotanical analysis on flora-medicine continuum among the tribal inhabitants of Ratnagiri and Palghar district, Maharashtra, India. Ethnobotany Research and Applications 20 (43): 1-23 19/11/2020.
2. Shaikh Mohammad Bilal N, Hardik Gada (2020) A MODULAR ANALYSIS OF AI IN BUILDING BUSINESS. JETIR Volume 7 Issue 12 December-2020 eISSN: 2349-5162.

3. Hasija, D. C., Ghase, V. D., Rananaware, M. M., & Patil, V. R. (2020). Ullmann coupling for low-cost synthesis of anthracene-based polyfluorenes: A photophysical approach. *High Performance Polymers*, 095400832094538. doi:10.1177/0954008320945386.
4. Ghase, V. D., Hasija, D. C., Rananaware, M. M., & Patil, V. R. (2020). Alkyl and allyl substituted polydibenzofluorene: blue emitters for future display applications. *SN Applied Sciences*, 2(7). doi:10.1007/s42452-020-2940-8.
5. Deepika C. Hasija, Jayasree Gopalakrishnan, Alok V. Mishra, Vaijayanti D. Ghase & Vishwanath R. Patil (2020). Exploring copper as a catalyst for cost effective synthesis of polyfluorenes: an alternative to platinum and palladium. *SN Applied Sciences*, 569 (2020).
6. Khanolkar, S, Schiebel, R., **Singh, A.**, Saraswati, P.K., Jochum, K.P., Weis, U., Stoll, B., Haug, G.H. (2021) Intra test variations in trace element composition of *Amphistegina lessonii* using femtosecond-laser ablation-ICP-mass spectrometry: A field study from Okinawa, Japan, *Geochemistry, Geophysics, Geosystems*.
7. Salvi, D., Mathew, G., Pande, K., Kohn, B.P. (2021) Phased cooling of the Siang antiform, Eastern Himalaya: insight from multi-thermochronology and thermal studies, *Journal of Earth System Science*.
8. **J. Pendharkar**, M. Waghmare, Pushpinder G. Bhatia, B. Khade, P. Dongre, (2021) Photo-excitation Nature of Aromatic Amino Acids Under Electric Field: A Fluorescence Spectroscopy, *Romanian Journal of Biophysics*, Vol31 No3/2021, PP1-9, Print: ISSN: 1220-515X Electronic: ISSN: 1843-424X.
9. **Geeta Nair, Smita Survase**, Laxman Survase, (2020) "Is Covid Lockdown An Opportunity Or Threat?" *Shodh Sanchar Bulletin*, Vol 10(39), July- Sept 2020, 111-15.
10. **Smita survase, Geeta Nair**, Laxman Survase (2020), "Effect Of Covid-19 On The Sustainability of Self Help Groups (SHGS)", *Shodh Sanchar Bulletin*, Vol 10(39), July- Sept 2020, 116-120 3.
11. Praveen Dhangada, Madhavi Thakurdesai, **Smita Survase**, Vrunda Thakurdesai, L Ajith DeSilva (2021) "Education in the New Normal post Covid19- The Indian Experience ", *HEF's Indian Journal of Higher Education* , Vol 11(2), July- December 2020, 38-45.
12. Tanuja Patil, Lolly Jain, (2020) Natural Preservatives from Fruit Peels, *Acta Scientific Microbiology*, Volume 3 Issue 6 June 2020 ISSN: 2581-3226.
13. **Smita Survase, Geeta Nair**, "Education in the New Normal post Covid19- The Indian Experience ", *HEF's Indian Journal of Higher Education* , Vol 11(2), July- December 2020, 38-45.
14. **Smita Paranjape**, "Case Study of Paytm Company (A Mobile E-Payment Bank) A Digital Payment Platform" *Shodh Sarita, Journal of Arts, Humanities and Social Sciences* ISSN- 2348-2397, Volume-7 Issue 26 April to June 2020 (An International Multidisciplinary Quarterly Peer Reviewed Referred Research Journal).
15. Shaikh Mohammad Bilal N, Hardik Gada A MODULAR ANALYSIS OF AI IN BUILDING BUSINESS *JETIR* Volume 7 Issue 12 December-2020 eISSN: 2349-5162 <http://www.jetir.org/view?paper=JETIREJ06033> E-ICAIML-20 January 2021 2349-5162.

Conference papers:

1. Effect of 100 MeV Ni ion irradiation on CdZnTe thin films, P. Dhangada, M. Thakurdesai, S. Survase, V. Thakurdesai, L Ajith DeSilva,
2. Radiation Effects and Defects in Solids, (Taylor and Francis Online) (2021) A. M. Shaker, T. Lilly Shanker Rao, T. Shanker Rao and K. Venkataraman, Study of glass transition kinetics of xanthan gum biopolymer, AIP Conference Proceedings 2224, 030012 (2020);0094-243X (print) 1551-7616 (web)
3. R Khaparde and A M Shaker, What are experimental skills? A study with in-service teachers, Journal of Physics: Conference Series, Volume 1512, International Conference on Physics Education (ICPE) 2018 1 - 5 October 2018, Johannesburg, South Africa, 1742-6588 (print); 1742-6596 (web)
4. T. Lilly Shanker Rao, A. M. Shaker, T. Shanker Rao, and K. Venkataraman, Non-isothermal crystallization kinetics in xanthan gum biopolymer, AIP Conference Proceedings 2269, 030097 (2020);0094-243X (print) 1551-7616 (web)
5. Shaikh Mohammad, Bilal N and Siddiqui, Kulsum, Random Forest Regressor Machine Learning Model Developed for Mental Health Prediction Based on Mhi-5, Phq-9 and Bdi Scale, *Machine Learning eJournal*, (May 7, 2021). 4th International Conference on Advances in Science & Technology (ICAST2021), Available at SSRN: <https://ssrn.com/abstract=3867416> or <http://dx.doi.org/10.2139/ssrn.3867416>
6. Nair, Amrutha and Shaikh Mohammad, Bilal N, A Proposed Model for Smart Public Distribution System of Ration Commodities to Indian Citizens using an IoT based Design, *Applied Computing eJournal* (May 7, 2021). 4th International Conference on Advances in Science & Technology (ICAST2021). Available at SSRN: <https://ssrn.com/abstract=3866198> or <http://dx.doi.org/10.2139/ssrn.3866198>
7. Shaikh Mohammad Bilal N, Arjika Shit 'Web Based Claim Processing system' *International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020) <https://serisc.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021, 2233-7857.
8. Shaikh Mohammad Bilal N, Kiran Khona 'Multi Feature 'Healthcare application to improve usability of current system' *International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020) <https://serisc.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021, 2233-7857.
9. Shaikh Mohammad Bilal N, Jeenal Hndiwala 'Digital Scheduling and management system of lectures in educational institutions' *International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020) <https://serisc.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021, 2233-7857.
10. Shaikh Mohammad Bilal N, Shreyal Kulaye 'Property price prediction application developed using machine learning algorithm' *International Journal of Grid and*



- Distributed Computing*- Vol. 13 No. 2 (2020) <http://sersec.org/journals/index.php/IJGDC>
E-ICAIML-20 March 2021, 2005-4262.
11. Shaikh Mohammad Bilal N, Deepak Kumar 'Web based disease diagnosis and health chat system'*International Journal of Grid and Distributed Computing*- Vol. 13 No. 2 (2020) <http://sersec.org/journals/index.php/IJGDC> E-ICAIML-20, March 2021 2005-4262.
 12. Shaikh Mohammad Bilal N, Harsh Chheda 'An e-learning web application to provide online teaching at organization level'*International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020) <https://sersec.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021, 2233-7857.
 13. Shaikh Mohammad Bilal N, Uday Haria 'Virtual smart phone design model based on augmented reality technology'*International Journal of Grid and Distributed Computing*- Vol. 13 No. 2 (2020) <http://sersec.org/journals/index.php/IJGDC>, E-ICAIML-20 March 2021, 2005-4262.
 14. Shaikh Mohammad Bilal N, Shivam Kadam 'Artificial Intelligence integrated Interdisciplinary Model Bot for the Rural Development'*International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020) <https://sersec.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20 March 2021 2233-7857.
 15. Shaikh Mohammad Bilal N, Suril Shah 'USING BUSINESS INTELLIGENCE TO AUTOMATE AND GET THE BEST RESULTS ON FACEBOOK ADVERTISEMENTS'*International Journal of Grid and Distributed Computing*- Vol. 13 No. 2 (2020) <https://sersec.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021 2233-7857.
 16. Shaikh Mohammad Bilal N, Joel Kabangu 'High-Security Online Shopping Website Using Web Programming and Network Security Technology'*International Journal of Grid and Distributed Computing*- Vol. 13 No. 2 (2020) <http://sersec.org/journals/index.php/IJGDC> E-ICAIML-20, March 2021, 2005-4262.
 17. Shaikh Mohammad Bilal N, Nirav Lodaya 'Use of Artificial Intelligence in Decision Making in Football'*International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020) <https://sersec.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021, 2233-7857.
 18. Shaikh Mohammad Bilal N, Rutuja Yadav 'Travel Aid For Blind Using Android Application'*International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020) <https://sersec.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021, 2233-7857.
 19. Shaikh Mohammad Bilal N, Dhruv Furiya 'A Survey Analysis on Artificial Intelligence used in Hospitality Management'*International Journal of Future Generation*



- Communication and Networking* - Vol. 13 No. 4 (2020)
<https://sersec.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021,
2233-7857.
20. Shaikh Mohammad Bilal N, Jai Parmar 'ETHICAL HACKING TECHNIQUES, TOOLS AND VARIOUS ATTACKS' *International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020)
<https://sersec.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021,
2233-7857.
21. Shaikh Mohammad Bilal N, Vikita Mirjolkar 'A Review on Detecting E-banking Phishing Websites' *International Journal of Grid and Distributed Computing-* Vol. 13 No. 2 (2020) <http://sersec.org/journals/index.php/IJGDC/> E ICAIML-20, March 2021,
2005-426
22. Shaikh Mohammad Bilal N, Komal Gatir 'A Review on Solider Position Tracking with Health Monitoring System' *International Journal of Grid and Distributed Computing-* Vol. 13 No. 2 (2020) <http://sersec.org/journals/index.php/IJGDC>, E-ICAIML-20, March 2021, 2005-4262.
23. Shaikh Mohammad Bilal N, Khushal Senghani 'Artificial intelligence based Information Retrieval System using Video Montage Technique' *International Journal of Future Generation Communication and Networking* - Vol. 14 No. 1 (2021)
<https://sersec.org/journals/index.php/IJFGCN/article/view/36587> E-ICAIML-20,
June 2021, 2233-7857
24. Shaikh Mohammad Bilal N, Sarvesh Kurhade 'Haptic feedback technology-based communication application for Differently abled people' *International Journal of Grid and Distributed Computing-* Vol. 13 No. 2 (2020)
<http://sersec.org/journals/index.php/IJGDC> E-ICAIML-20, March 2021,2005-4262.
25. Shaikh Mohammad Bilal N, Atul Ambavadekar 'Virtual Reality Emergency Room Surgery Simulator for Medicinal Learners' *International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020)
<https://sersec.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021, 2233-7857.
26. Shaikh Mohammad Bilal N, Dhruv Daxini 'A Proposed Multi Banking System developed using java based web application' *International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020),
<https://sersec.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021,
2233-7857.
27. Shaikh Mohammad Bilal N, Anjali Saharkar 'ONLINE VOTING SYSTEM USING BIOMETRICS' *International Journal of Future Generation Communication and Networking* - Vol. 14 No. 1 (2021)
<https://sersec.org/journals/index.php/IJFGCN/article/view/36584> E-ICAIML-20, June 2021,
2233-7857.

28. Shaikh Mohammad Bilal N, Pawankumar Singh 'INTEGRATED REALLOCATION SERVICES USING THE WEB APPLICATION' *International Journal of Future Generation Communication and Networking* - Vol. 14 No. 1 (2021) <https://serisc.org/journals/index.php/IJFGCN/article/view/36585>, E-ICAIML-20, June 2021, 2233-7857.
29. Shaikh Mohammad Bilal N, Sakshi Shinde 'AUTOMOBILE SECURITY SYSTEM USING FACE RECOGNITION AND THE GLOBAL POSITIONING SYSTEM' *International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020) <https://serisc.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021, 2233-7857.
30. Shaikh Mohammad Bilal N, Uddhav Deorukhkar 'Healthcare Chatbot System with an Emergency Virtual Assistance' *International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020) <https://serisc.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021, 2233-7858.
31. Shaikh Mohammad Bilal N, Yakshap Thakker 'Advanced Traffic Administration System using Internet of Things and Data Analytics' *International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020) <https://serisc.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021, 2233-7859.
32. Shaikh Mohammad Bilal N, Sharan Shetty 'A Literature Review On Manipulation of Opinions Through Internet' *International Journal of Future Generation Communication and Networking* - Vol. 13 No. 4 (2020) <https://serisc.org/journals/index.php/IJFGCN/issue/view/296> E-ICAIML-20, March 2021, 2233-7860.

Patents

1. Dr. Seema Sambrani; A method of detection of DNA transformation using Carbon Dots (C-Dots), Patent Number: 354503, Date of Award: 28/12/2020, Date when published: 29/05/2020

Books

1. Ms. Madhuri Padaya (2020), Co-author, Living Campus, ISBN Number 978-93-5426-015-5.
2. Dr. Amol Patwardhan (2021), Book Chapter - Click Beetles of India in Phenomenon in Environmental and Nano Science, Jaya Publication New Delhi ISBN: 978-93-89996-32-6

3. Dr. Amol Patwardhan (2021) Book Chapter - Diversity of Coleoptera of Sanjay Gandhi National Park, Mumbai in Phenomenon in Environmental and Nano Science, New Delhi ISBN: 978-93-89996-32-6.
4. CA ATUL THATTE (2020), Human Resource Accounting Overview, Redefining business in digital era, issues and challenges, ISSN 2394-7780.
5. Deepak Kumar Sahu (2020), Co-Author, Engineering Geology, ISBN: 978-93-89889-88-8

Conference Proceedings

Total 2 conference proceedings published by Prof Shaikh Mohammad Bilal Naseem and students of Computer Science in ELSEVIER SSRN.

Referee

1. **Dr. Jacinta George** (2020), International Journal of Radiation Biology, Taylor & Francis.
2. **Dr. Jacinta George** (2020), International Journal of Plant and Environment, International Society of Environmental Botanists
3. **Dr Ketan Thatte** (2021), Plant Science Today, Horizon E Publishing Group
4. **Dr. Rohit Singh Chauhan**, Inorganica chimica acta (2 Articles)
5. **Dr. Rohit Singh Chauhan**, Inorganic chemistry communication
6. **Prof. Shaikh Mohammad Bilal Naseem**, July 2020, **Journal of Engineering Research and Reports**, indexed in ResearchGate and Microsoft Academics, 1 Research Manuscript.
7. **Prof. Shaikh Mohammad Bilal Naseem**, Sep 2020, [Asian Journal of Advanced Research and Reports](#), indexed in SSRN and Research Gate, 1 Research Manuscript.
8. **Prof. Shaikh Mohammad Bilal Naseem**, Sep 2020, [UTTAR PRADESH JOURNAL OF ZOOLOGY](#), indexed in WEB OF SCIENCE, BIOSYS and UGC CARE, 1 Research Manuscript.
9. **Prof. Shaikh Mohammad Bilal Naseem**, Oct 2020, [Asian Journal of Advanced Research and Reports](#), indexed in SSRN and Research Gate, 1 Research Manuscript.
10. **Prof. Shaikh Mohammad Bilal Naseem**, Dec 2020, [International Blood Research & Reviews](#), Indexed in Semantic scholar, Mendeley, Research Gate, 1 Research Manuscript.
11. **Prof. Shaikh Mohammad Bilal Naseem**, May 2021, IEEE International Conference ICCICT 2021 by Sardar Patel Institute of Technology Mumbai, 2 Research Manuscripts.

RESEARCH AWARDS

1. **Shaikh Mohammad Bilal N, Shreyal Kulaye**, Property price prediction application developed using machine learning algorithm, 27/11/2020, First Best Paper.
2. **Shaikh Mohammad Bilal N, Uddhav Deorukhkar**, "Healthcare Chatbot System with an Emergency Virtual Assistance, 27/11/2020, Second Best Paper.



3. **Shaikh Mohammad Bilal N, Joel Kabangu**, High-Security Online Shopping Website Using Web Programming and Network Security Technology, 27/11/2020, Third Best Paper.
4. **Shaikh Mohammad Bilal N, Khushal Senghani**, “Artificial intelligence based Information Retrieval System using Video Montage Technique”, 28/11/2020, First Best Paper.
5. **Dr. Soniya Shetty, Ms. Bhavna Pandya**,” Bacterial degradation of sericin for degumming of silk fibres- A green approach”, 1/3/21 - 2/3/21, Presented at International Conference Proceeding in Life Science, Best paper presentation. Paper selected for publication in scopus indexed journal.
6. **Dr. Geeta Nair and Dr. Smita Survase**,”Education in the New Normal post Covid19- The Indian Experience”, 3rd International Research Conference, HEF and University of Stirling, UAE, 9/1/2021
7. **Dr. Geeta Nair and Dr. Smita Survase**,”Is Covid Lockdown An Opportunity Or Threat”, International E-Conference organize by SASMIRA’s Institute of Commerce & Science (SICS), 8/8/2020.
8. **Dr. Smita Survase**, “Effect of Substrate temperature on optical properties of CdTe thin films deposited by thermal evaporation method”, International Conference on Nanomaterials & Nanotechnology, by Dept of Physics, university of Mumbai, 25/03/2021 to 27/03/2021.
9. **Prof Shaikh Mohammad Bilal Naseem** being nominated and appointed as the Editor in the Editorial Board of Rivista Publications, Hyderabad-IN, for Rivista Medicine Journal.
10. Malik Rokhsar and Mirza Asim BAIG , students of PG guided by Bilal Mohammad Shaikh and Sadaf selected for final round of Avishkar Research Convention held in June 2021.

Presentation in Darwin Conference

Total number of students attended in Darwin Conference = 170

Total number of faculty attended in Darwin Conference = 20

Department	No. of participation	Paper presented
Biotechnology	3 Students & 1 guide	1
Zoology	01 Students	1 Sweta Pandey received first prize
Nutraceuticals	1 Student with Guide	1
Microbiology	Students with Guide	
IT	1 Student with Guide	1

Details of Darwin Presentation:



- Paper presented & selected for publication: (in Press) Publication in “Production of Bio-Flavoured Sourdough Bread” “African Journal of Biological Sciences” Dr. Kamalrookh Z. Marolia, Bushra K. Khan, Namrata Raval and Yash Sharma
- Paper presented and selected for publication: (In Press in African Journal of Biological Sciences) “An Energy Bar for Little Warriors of Cancer”, Ms. Kainaat Sayyed*, Dr Shivshankar Timmanpyati#, Dr Veena Salvi*
- Three papers were presented under the guidance of Mr. Shabib Khan from the Department of Microbiology and one paper was selected for publication in African Journal of Biological Sciences. “Evaluation of Antibacterial Property of Honey under in vitro condition”. Niyati Bhanushali, Aditi Chavan, Krina Gandhi, Divya Gujar, Shabib Khan
- Five papers presented under the guidance of **Dr. Soniya Shetty**. One Paper selected for publication (in Press in African Journal of Biological Sciences):
 - Isolation and enumeration of probiotic organisms from fermented idli batter: Anika Shaikh, Iramzeba Siddiqui, Muskan Shaikh, **Soniya Shetty**
 - Preparation of Eco-friendly Incense Sticks and Study of Its Antimicrobial Properties. Sanyukta Mishra, Priya Prajapati, Isha Raikar, Neha Salvi, Shweta Salaskar, **Unnati Padalia***
 - Potato Starch Based Bioplastic as alternative packaging materials. Prachi Sonawane, Amisha Panchal , Shreeya Naik , Bhagyashree Mundaye and **U. Padalia.**
 - Preparation Of An Indigenous Sanitizer And Examining Its Antibacterial, Properties, Krusha Shah, Isha Popat, Tanvi Patel, Anam Shaikh, Zehra Sayyed, Unnati Padalia
 - Preparation Of Indigenous Microbial Fuel Cell Using Sewage To Generate Electric Current, Bhakti Narsale, Preeti Poojary, Divya Chauhan, Manju Yadav and U. Padalia.

National Webinars (Free)

1] National Webinar on Boost research navigation through RAX

Date: 7th June, 2020

Time: 11.30am to 1:00pm

Duration: 1 hour 30 minutes

Number of participants: 485

Convener of the webinar: Dr. Unnati Padalia (Dean, Research)

Resource Person: Mr Shreyas Chaudhary

2) Bioinformatics Workshop Report

Dr Unnati Padalia, Dean , Research, Research Development Committee

Resource Person: Dr Swati Singh VF, University of Mumbai

Workshop Title: BIOINFORMATICS: CONCEPTS, TOOLS AND DATABASE

Date: 27-28 July 2020



3] National Webinar:

Title of the Event: Art of critically reading a research paper.

Date: 22nd September 2020

Beneficiaries: 970

Invite Person: Dr Anupama Harshal W

4] International Webinar (Collaboration with Aston University)

Title of Event: Stem Cells and Regenerative Medicine

Date: 16-19 Feb 2021

Beneficiaries: 121+ students along with four faculty

Invited Speaker: Prof. Patricia Perez-Esteban, Prof. Ivan Wall, Prof. Eric Hill, Prof. Jill Johnson

Active KJSSC MoU

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

Collaboration

- 1) Prof. Alexandra Slawin, University of St. Andrew
- 2) Prof Chandrakant Dash, Central university of Rajasthan
- 3) Prof Anhsuman Roy Chaudhari, Indian Institute of Science Education and Research, Mohali



Internships

MSc Nutraceuticals (2020-21) Semester IV Internship (100%, 19 Students)

Last name	First Name	Seat number	Name of the Industry
Bhat	Salonee	11-2019351	Bombay test house
Bhunje	Riddhi	11-2019352	R.S.G nutrition and healthcare
Dhumal	Riya	11-2019353	Panama Foods
Gangapuram	Kanika	11-2019354	Farm To Fork Solutions
Gawand	Dhanashree	11-2019355	Panama Foods
Joshi	Reetika	11-2019356	Panama Foods
Karnik	Resham	11-2019357	R.S.G Nutrition and Healthcare
Lathia	Nidhi	11-2019358	Nutralike Healthcare
Mete	Dipali	11-2019359	Panama Foods
Moris	Ankita	11-2019360	Fudtekey Solutions
Vruddhi	Patel	11-2019361	Thrive FNC
Savla	Hasti	11-2019362	Onelife Nutriscience Pvt. Ltd.
Savla	Shraddha	11-2019363	Onelife Nutriscience pvt ltd
Shete	Shraddha	11-2019364	APX laboratories
Shetty	Yeshwini	11-2019365	Innovertus Nutrition Technologies Pvt. Ltd
Siddiqui	Farheen	11-2019366	RSG Nutrition and Health Care
Tayade	Vaishali	11-2019367	RSG Nutrition and health care
Thakkar	Vyomi	11-2019368	23 BMI
Wadhvani	Tejashree	11-2019369	Farm To Fork Solutions

List of Ph.D. and M.Sc. (By Research) Guides



Department	Recognized Guide Name	PhD student registered	PhD student to be registered
Botany	Dr .Meena Patankar	Nil	02
Chemistry	Dr. Pradnya Prabhu	02	03
	Dr. Sugnatha	NIL	04
	Dr. Chitra Kamath	02	02
	Dr. Yogesh Ghalsasi	01	04
	Dr. Veena Khilnani	NIL	02
	Dr. Nisha Kanat	NIL	03
Microbiology	Dr Unnati Padalia	02	01
	Dr Lolly Jain	01	01
Zoology	Dr. Amol Patwardhan	Nil	02
Total	12	08	25

List of M.Sc. by Research Guides

Department	Recognized Guide Name	M.Sc. by Research student registered	M.Sc. by Research to be registered
Chemistry	Dr. Chitra Kamath	01	
	Dr Saurbah Shette		01
	Dr. Aniket		01
Physics	Dr Geeta Nair	-	-
	Dr Jitendra Pendharkar	-	-
Zoology	Dr. Amol Patwardhan	01	NIL
Total	09	02	02

Total Number of Research Guides = 19

INSTITUTION'S INNOVATION COUNCIL ACHIEVEMENTS

- A star in IIC 2.0 for good performance
- Our core team attended entrepreneurial extravaganza earning IIC a certificate for active participation.
- Participate in IIC 3.0
- Participate in ARIIA ranking 2020

COMPETITIONS

- IIC Organized an essay writing competition on the occasion of Gandhi jayanti on the theme –“Gandhian principles in entrepreneurship”
- We've organized a PowerPoint presentation competition- “Innopreneur”

1. ORIENTATION PROGRAMME (9th August 2020)

- The 'Institutions innovation council (IIC)' of KJSSC conducted the orientation for the year 2020.
- The student president and the student vice president of the committee introduced the structure of the cell and spoke about its working and its importance in relation to encouraging entrepreneurship in the campus.

2. IIT KANPUR ENTREPRENEURIAL EVENT

3. ENTREPRENEURSHIP & LEARNING WEBINAR (20 sep 2020)

- Along with reaching out to the students to make them aware about the council that college has developed, it was necessary to make them familiar with entrepreneurship.
- This webinar on ENTREPRENEURSHIP & LEARNING by Dr. Radhakrishnan Pillai was organised for the students.

4. Entrepreneurship – How to start and later sustain (10th of Jan 2021)

By Krunal Patel Chief of operation at Indra water, mechanical engineer from University of Washington.

5. Essay writing competition : Topic- Gandhian principles in Entrepreneurship

On the occasion of 151st birth anniversary of Mahatma Gandhi on 2nd Oct 2020 organized essay writing competition

6. Re-Hive annual fest (21st to 22nd Jan 2021)

7. Webinar on Entre-logue – A guide for newbies in entrepreneurship 28th March 2021

Speaker: Dhairya Gangwani; Working with KPMG in India as an SAP analyst, content creator, mentor, and keynote speaker.

8. A National webinar on “IPR: A journey from Idea to start Up” scheduled on 26th June 2021 from 10.00 am to 11.15 am by Ms. Shalini Menezes.

9. **KAPILA: Kalam Program for IP Literacy and Awareness:** 15th to 23 Oct 2020; 30 students 5 faculties have participated in the IP literacy week organized by the Ministry of education's Innovation council

START-UP

- I) Domain Name - Erase Your E-Waste
- The founder of this Startup is Sudhanshu Jha.
 - The problem and Solution is clear by Entrepreneur.
 - Target Market is also ready.
 - No proper Revenue Model is presented, so we have to train him for this.
 - Budget and sustainability plan is ready for the start up.
- II) Domain Name - Aquaescaping
- The founder of this Startup is Abhishek Rajak. SY. BSC student with the subject combination of Chemistry - Botany.
 - He requires a place to make the tank and study on it to make it more profitable.
 - The startup level is at the Ideation process. In which the problem and Solution had not been explained in detail as well as the revenue model.
 - No MVP is ready for this startup.

MOU be initiated

- KJSSC – Engineering College (Fabrication, Glass blowing)
- KJSSC – Ayurvihar Medical College (Animal House)
- KJSSC – Indian Youth Nuclear Society
- KJSSC-SVV (Animal House)

Collaborations Extended

- KJSSC – IIT Hyderabad
- KJSSC – BARC, Synthesis and Pure Material Section



SOMAIYA
V I D Y A V I H A R

K J Somaiya College of Science & Commerce



K J Somaiya College of Science and Commerce

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

Activity Report 2020-21

Science and Commerce Departments



SOMAIYA
VIDYAVIHAR

K J Somaiya College of Science & Commerce



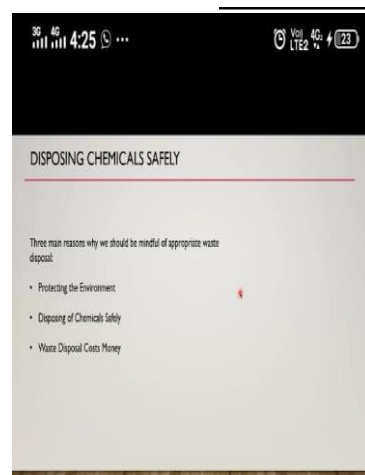
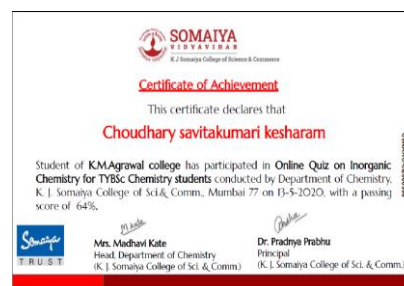
INDEX

Chemistry	19
Microbiology	23
Geology	24
Physics	27
Zoology	28
Botany	30
Biotechnology - Documents not attached	31
Statistics	31
Mathematics	32
Nutraceuticals	32
Polymer Science	32
Commerce Departments	33
Business Law	33
Economics	34
Accountancy	34
B. Communication	Error! Bookmark not defined.
No events	Error! Bookmark not defined.
Biochemistry	Error! Bookmark not defined.
Commerce	Error! Bookmark not defined.

Annual Activity Report 2020-21

Chemistry

- As a part of the awareness campaign around COVID-19, Department of Chemistry, K. J. Somaiya College of Science and Commerce conducted a short quiz titled “COVID-19...An Awareness Program” for teachers and students between 30th April 2020 to 1st May 2020. Various general awareness-based questions were covered in the quiz. 292 teachers and 733 students across different institutes participated in the quiz. 38 people at various posts in the industry also participated in the quiz. E-certificate was provided to the participants who scored more than 50 % in the quiz.
- The Department of Chemistry of K. J. Somaiya College of Science and Commerce had organized an online quiz on the subject of Inorganic Chemistry between 9th May 2020- 13th May 2020 for all T.Y.B.Sc. Chemistry students. The purpose of conducting the quiz was to give students better conceptual understanding of the subject and also guide students for competitive exams during this COVID-19 period. Students from across the country participated in the quiz. Total 703 students participated in the online quiz. The quiz was of 100 marks and the passing percentage was 60%. Total 321 E-certificates were issued to successful candidates.
- Due to COVID-19 pandemic which has resulted in the temporary closure of educational institutions across the globe, e-learning is one arena which has remained unaffected and instead has witnessed an exponential increase in it. The teaching and non teaching staff are the 2 pillars of strength in any academic institution. They work in tandem with each other to ensure that their institutions achieve excellence in every domain of education. To boost morale and support of its employees, the department of chemistry conducted an Online Workshop on Chemical Lab Safety and Fire Extinguishing Operation for the Non Teaching Staff on 16th May 2020. 140 non-teaching staff from various colleges attended the workshop.



- On 20th May, 2020 a webinar on Importance of Innovation in Chemical Sciences – Examples from BASF was organised by the department of Chemistry in association with IQAC. For this webinar, the invited speaker was Dr. Dietmar Heuglin, Director, Innovation Campus (RA/OM), Vice President, Advanced Materials & Systems Research. The audience included the faculty of the Chemistry Department, and the T.Y.B.Sc. (Chemistry) and M.Sc. Part I & II students of all branches of Chemistry.



- Department of Chemistry in collaboration with the IQAC organized a webinar on “How to get to the top of your career with Chemistry?” by Dr. Prabodh Chobe, Former senior general manager and Head, R & D centre, BASF for students on 25th July 2020 using zoom platform. 203 students and 29 from various colleges attended the webinar During his session he discussed how to select desired career options, scopes for different disciplines of chemistry. He explored various industries which employ chemistry graduates.



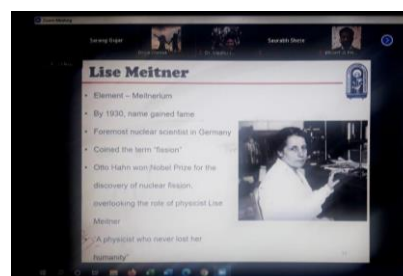
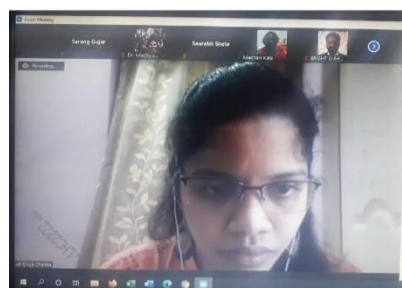
- The Department of Chemistry in collaboration with the IQAC organized a webinar on “Utilizing time and managing studies effectively in midst of a pandemic” by R. Srinagesh, Author, Life Coach, Professor of Happiness for students on 20th July 2020 on Instagram Live. This webinar was organized in association with UNX, which is a holistic wellbeing platform which provides students assistance program solutions for educational institutions to improve the productivity and performance of their students. He discussed the obstacles in the time management- Intruders, the late latifs, the disorganized, people who take you for granted. He elaborated how to make time table- Time table is not listing from this am to this am rather its ear marking how many minutes for particular activity. 56 students attended the webinar.



- Webinar on ‘Taking right decisions for a bright career’ by Dr. Prabodh Chobe Former Senior General Manager & Head, R & D Centre, BASF was organised by Chemistry Department and Career Guidance Cell of K. J. Somaiya College of Science and Commerce on 28th October 2020. Dr. Prabodh Chobe split the lecture into two halves. In the first half, he gave the most important advice based on his personal success in career and in the second half, he gave information about various career options for science graduates. 495 UG students and 6 teachers attended the webinar.



- Webinar on ‘Contribution of Women in Science’ by Dr. Divya Chenna, Assistant Professor, Mithibai College, Mumbai was organised by the Chemistry Department of K. J. Somaiya College of Science and Commerce on the occasion of **International Women’s Day** i.e.; 8th March, 2021. Dr. Divya Chenna spoke about the qualities of women like sacrifice, attitude, perseverance and determination. She also said that women follow logic as well as emotions. To explain the contribution of women in science to the participants, the guest speaker elaborated the lives of known and unknown women scientists, for e.g., Marie Curie, Rosalind Franklin, Edith Clarke, Jane Goodall, Ada Yonath, Cecilia Payne-Gaposchkin, Elizabeth Garrett Anderson, Grace Hopper, Valentina Tereshkova and Lise Meitner. 282 students attended the webinar.





- Webinar on Challenges and Way out for higher educational activities during and post Covid-19 pandemic organised by department of chemistry and IQAC in collaboration with Indian chemical society, Mumbai branch on 21st Sept 2020. The Webinar was focused on the changing scenario through a presentation based on these suggestions and panel discussion by a question answer session. Chief Guest: Prof. M. M. Salunkhe, Vice-chancellor, Bharati Vidyapeeth Pune Guest Speaker: Prof. N. V. Thakkar, Ex-professor, The institute of Science, Mumbai Chairperson (Discussion session): Prof. A. K. Singh, Ex-Professor, Department of Chemistry, IIT, Bombay. 102 teachers from various colleges participated in the event.



- RASAYAN

Microbiology

<ul style="list-style-type: none"> ● Mother's Day is a celebration honoring the mother of the family, as well as motherhood, maternal bonds, and the influence of mothers in society. On 10th May 2020, department of Microbiology organized a phrase writing competition "Maa Kehti hain"(□□□ □□□□□ □□....) The platform used to conduct the session was Google form in which students entered their phrases. A total of 45 students from various streams of Science and Commerce participated in the event. All the participants received an e-certificate for the same. 	
<ul style="list-style-type: none"> ● Webinar on An insight on first Made in India COVID 19 test kits by pune based MyLab by Mr. Debarshi Dey, Marketing Head, MyLab Discovery solutions was conducted by department of microbiology on 23rd May 2020. The kit is the first one to receive commercial approval from Indian FDA/ Central Drugs Standard Control Organization (CDSCO) and is named as Mylab PathoDetect COVID-19 Qualitative PCR kit. Mr.Debarshi spoke on the entire process of development of the kits in India, future aspects in molecular technology and extended the session to answer questions by the participants. Total 900 participants attended the webinar. 	
<ul style="list-style-type: none"> ● National workshop as a prelude to International Yoga Day was organized by the Department of Microbiology on 20th June,2020. The Resource Person invited was Dr Chirag Bagadia (BDS, Yoga consultant). Around 179 candidates had participated. A timely breath awareness practice of Yogic Shwasan , a combination breathing technique involving abdominal, thoracic and clavicular breathing ensured that everyone on the session were fully conscious of their own breathing energy flow 	
<p>Intercollegiate Annual Festival - Microscope -2020</p>	
<p>Treat Cancer Beat Cancer -</p>	

Resume writing Workshop

june

Geology

- Title of the Event: Sustainable Living

Number of Beneficiaries: 56

Resource Person: Ms Anouska Viegas, Mr. Kayden Anthony, Ms. Monalisa Mukherjee, Ms. Prakriti Bagdi
 On the mark of World Environment Day, the Department of Geology and SATAT organised a workshop on “Sustainable Living” in collaboration with GreenLine Mumbai. The Aim of this workshop was to be aware about Environmental Issues in urban cities and how to act on that. This program was conducted on 05/06/2020.



- Title of the Event: “Sea Level Fluctuations: Is there any need to worry?”

Number of Beneficiaries: 146

Resource Person: Dr. Pankaj Khanna

A webinar on “Sea Level Fluctuations: Is there any need to worry?”. The speaker Dr. Pankaj Khanna explained the causes and effects of sea level change since geological times. Based on scientific studies and his own research across multiple locations like New Guinea, Maldives, Middle East, Caribbean and others. This program was conducted on 08/06/2020.

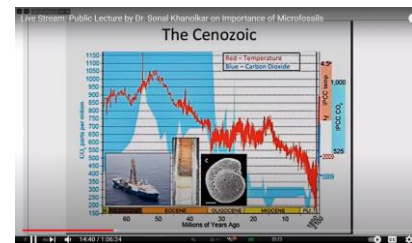


- Title of the Event: “Importance of Microfossils in addressing past climate change: Records from International Ocean Discovery Program”

Number of Beneficiaries: 159

Resource Person: Dr. Sonal Khanolkar.

A webinar on “Importance of Microfossils in addressing past climate change: Records from International Ocean Discovery Program”. The Aim of this webinar was to enlighten the audience about the role of tiny microfossils in interpretation of past climate. This program was conducted on 19/06/2020



- Title of the Event: “Getting started with GIS using iGIS”

Number of Beneficiaries: 40; Resource Person: Shahnaz Parveen
The Department of Geology along with Scanpoint Geomatics Ltd. jointly organised a webinar on “Getting started with GIS using iGIS” on the 23rd of June at 3 pm. The webinar was organised for students and faculty members interested in using GIS for their work. This program was conducted on 23/06/2020.

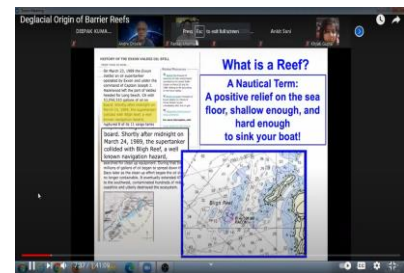
- Title of the Event: “Monogenetic Volcanoes: Origin, Evolution and their control on local Paleoenvironment conditions”

Number of Beneficiaries: 182
Resource Person: Dr. Pooja Kshirsagar
A webinar on “Monogenetic Volcanoes: Origin, Evolution and their control on local Paleoenvironment conditions” by Dr. Pooja Kshirsagar Professor-Investigator, Department of Engineering in Mines, Metallurgy and Geology, Mexico. It was conducted with an overview of the basic types of volcanoes and the importance of continuous monitoring of known active cones. This program was conducted on 29/06/2020.



- Title of the Event: “ ”

Number of Beneficiaries: 138
Resource Person: Dr. Andre Droxler
A national webinar was organised on “Deglacial Origin of Barrier Reefs Along Low-Latitude Mixed Siliciclastic and Carbonate Continental Shelf Edges” by Dr. Andre Droxler, Professor at the Department of Earth, Environmental and Planetary Sciences (DEEPS) at Rice University and scholar at the Baker Institute for Public Policies, Houston, Texas, USA. In the webinar the difference between different types of reefs, their formation and occurrence across the world’s oceans was explained using aerial imagery and underground seismic datasets. This program was conducted on 30/06/2020.



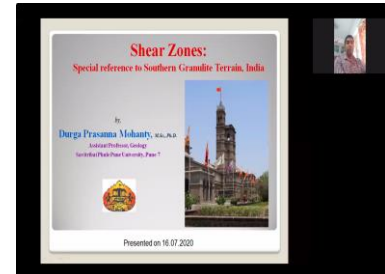
- Title of the Event: “A Serpentine story on the Origin of Life

Number of Beneficiaries: 177
Resource Person: Dr. Alik Sundar Majumdar, Assistant Professor, IIT (ISM) Dhanbad
The Department of Geology organised a webinar on “A Serpentine story on the Origin of Life” by Dr. Alik Sundar Majumdar, Assistant Professor, IIT (ISM) Dhanbad. Dr. Alik Majumdar explained the significance of recent studies that present a different view on this theory where black smokers and white smokers at the base of ocean floors may in fact hold the key to the

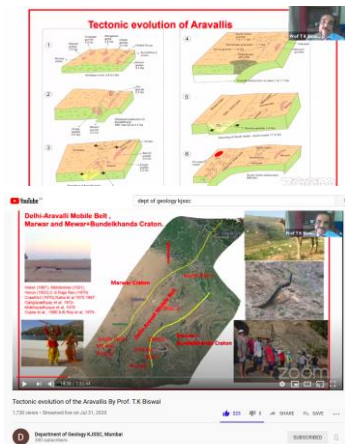


origin of the first single celled organisms. This program was conducted on 06/07/2020.

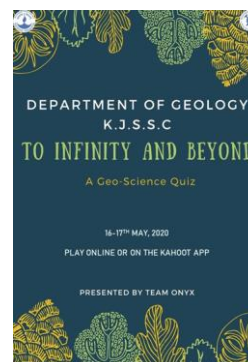
- Title of the Event: “Shear Zone-special reference to southern granulite terrain, India”
Number of Beneficiaries: 177
Resource Person: Dr. Durga P Mohanty Assistant Professor, Pune University, India.
The Department of Geology organised a webinar on For the benefit of students who made up the majority of the attendees, Dr. Mohanty discussed the basics of shear zones and how they change with depth, lithology and pressure. Using photos and images from his own collection, he explained how to identify shear stresses and while on field, how to demarcate shear zones. Finally, Dr. Mohanty finished the lecture with a small and concise explanation of his doctoral work on the shear zone along the Kaveri River in South India. This program was conducted on 16/07/2020



- Title of the Event: " Tectonic Evolution of Aravallis"
Number of Beneficiaries: 2000+
Resource Person: Prof. T.K. Biswal, Dept of Earth Sciences, IIT Bombay, India
The Department of Geology organised a webinar for the benefit of students who made up the majority of the attendees, Prof. Biswal discussed the tectonic evolution of Aravallis and crustal tectonism and evolution in Indian Geology. Prof Biswal is a popular name in the geosciences community and hence there were an overwhelming number of registrations 1556. Since on the Zoom platform has the member limitation up to 300, we broadcasted the lecture live on YouTube and it has received 1.6k views! This program was conducted on 31/07/2020.



- **Geo Science Quiz**
Date: 16th May to 10:59 am on 17th May, 2020
Beneficiary: 54 An online quiz was created by the geology students of UG second and third year. The quiz was made up of 68 questions split-up into different sub-sections based on different topics of geology like microscopic identification of minerals, important geological phenomenon across the world, RS-GIS and more such topics. The question types ranged between multiple choice questions, pictorial questions, word jumble, true or false, open-ended questions and fill in the blanks. The quiz was hosted on the Kahoot app and was completely designed and handled by the students.
- Landslide lecture
- Ophiolite lecture
- Paleocene lecture world earth day
- photography competition



Physics

- The online course on Introduction to material characterization Techniques was conducted by the department of physics between 22-28th June, 2020. 791 participants from 18 states of India were benefited by this course.
- Light show is an yearly event organized by Physics Department, KJSSC, as an out-reach activity, with intercollegiate participation. Event was conducted online, on a virtual platform on 23rd feb 2021 due to a pandemic situation. Show aims at live demonstrations of varied phenomena based on the concept of Light. Participants were taken through a virtual tour, over many different ideas, interactive sessions, and the latest research about Light, the messenger of the Universe. Total 213 candidates registered for the show while participants attending were above 167 in number. Around 91 % of the participants were students (UG and PG both) while 6 % faculty members with 4.2 % professionals (not in academics).



SOMAIYA
K. J. Somaiya College of Science & Commerce

23rd Feb 2021

5.00 pm to 7.30pm

your nearest computer or mobile

experience the dizzying event

The Light Show : A Virtual Tour
(for anyone and everyone interested)

Have **FUN & LEARN** through Interactive sessions & Enriching demonstrations of Light, the messenger of Universe.

Organized by Department of Physics
K. J. Somaiya College of Sci. and Comm.

For registration just click here

All participants will receive e-certificate.
3 "Opto-Wizards" students would be awarded with Merit certificates
for any queries contact : virtual.lightshow21@gmail.com

Organizing Committee:
Dr. Meenu Sharma
Head of Department, Physics

Dr. Pradnya Prabhu
Principal, KJSSC

- Growth of Science
- Alumni Meet
- Fizika
- International short course on advanced physics (online)
- The online lecture series is organised by Department of Physics KJSSC in collaboration with Indian Association of Physics Teachers (IAPT) Mumbai SRC.
- National Science Day Quiz
- Science Day Celebration – Webinar
-

Zoology

- Field Biology workshop in Collaboration with Hemchandracharya North Gujarat University, Patan was organised by Department of Zoology through online mode on 30-31st May, 2020. 200 students of UG and PG classes participated in this workshop. Resource persons from various fields of specialization of Biology were invited as guest speakers. Dr. Sashi Menon, Dr. Amol Patwardhan, Dr. Nishith Dhariya, Ms Vidya Venkatesh, Dr Katrina Fernandez, Ms Shivangi Vyas interacted with students during the workshop.
- A cyclist Journey from West coast to East Coast of India by Mr. Sarvesh Abhyankar, MSc by Research Student of zoology. He is also a founder member of an ecotourism startup. was organised by the department on 4th May, 2020 to engage students during lockdown. 35 UG students attended this program.
- Department also organised a Talk on Natural history museum and biodiversity on 8th May, 2020 by Thomasina Dsouza, Assistant Curator, CSNVS, Fort, She is also an alumna of Msc Oceanography class of 2017-18. 30 Students attended this talk.



- Preparatory program for TYBSc was conducted by the zoology department from 11th -16th May, 2020 to induct students for online classes of TYBSc Zoology. Talks on various topics were held during this program by faculty members. topics were based on online learning platforms, learning tools, online resource material, how to check authenticity of the resources etc. 30 students attended this 7 day program.

Day	Time	Topic	Speaker	Time
Monday	11.30	General Introduction	Dr. Vikram Chaudhary	11.00 am
Tuesday	11.30	Study Methods and Research in Zoology	Dr. Anand Patil	11.00 am
Wednesday	11.30	College scores & Competitive Exams	Ms. Yogita Dalvi	11.00 am
Thursday	11.30	How to score better in Exams	Ms. Yogita Dalvi	11.00 am
Friday	11.30	Inside the mind of a Zoology Student	Ms. Yogita Dalvi	11.00 am
Saturday	11.30	Department Fees, Excessives and How to manage?	Dr. Shanti Upadhyay	11.00 am
Sunday	11.30	Zoology Club, Tutor Mentor Scheme	Ms. Chaitanya Kulkarni	11.00 am
Monday	11.30	Know what to Google!	Dr. Shanti Upadhyay	11.00 am
Tuesday	11.30	How to cope with the Google Classroom!	Dr. Shanti Upadhyay	11.00 am

- An inspirational and informative session was organised for the students of Cancer Biology Certificate course in which Ms Yogita Dalvi, a cancer survivor shared her experiences during her courageous journey with cancer. this talk was organised online on 8th May, 2020 which was attended by 15 Students of Cancer Biology Course students.

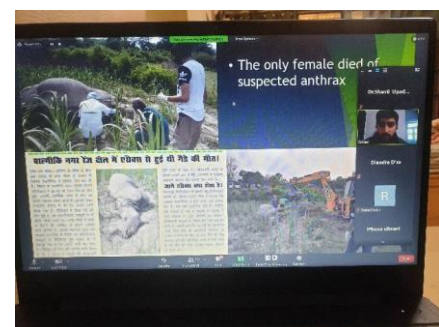


- An online session on Yoga and meditation was conducted by Dr. Karun Ramteke, MD, Certified Yoga Trainer on 6th May, 2020 which was attended by 30 students. This program was organized to relieve the stress caused due to a pandemic situation.

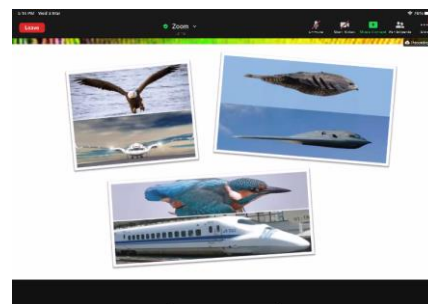
- Online lecture on Beekeeping by Dr. TB Nikam, Former HOD, Zoology, RYK College, Nashik was organised on **World Honey Bee day** on 21st May, 2020. Dr. Nikam is also a founder of Nikam's Bee farm, Nashik. 25 students attended this talk online



- Zorilla Rejuvina - Annual intercollegiate Department festival was organised on 28th January 2021 which was attended by Students: UG 130, PG 20 and 10 Teachers. Guest lecture by Mr. Mr. Soham Pattekar, Project Officer, Species Conservation, WWF followed various competitions.



- The Department of Zoology celebrated **World Wildlife Day** on 3rd March, 2021 by organising a guest lecture by Mr. Nikhil Phophale, founder member of Gaia Eco Tours. He delivered a talk on **Amazing Birds of India**. 55 students and 10 teaching staff attended this lecture.



- Zoology Symposia by young researchers
- **World Sparrow Day** - 20th March 2021
- Zoology Club Activities
- Careers after Zoology in Marine Research by Dr. Vardhan Patankar - Careers after Zoology - The career guidance session by Dr. Vardhan Patankar, Marine Scientist and conservationist based in WCS, Bangalore – 28th August 2020 - 139

Botany

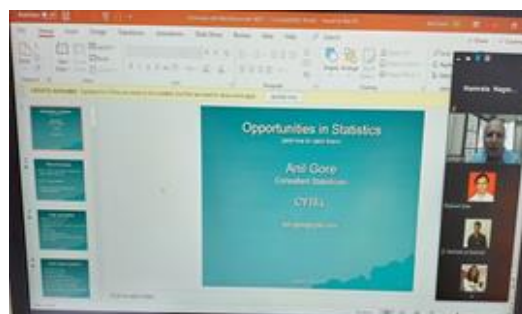
- The Department of Botany conducted a workshop on 2nd May, 2020 on Stretching and breathing exercise workshop by Sujata Chakraborty, Yoga instructor which was attended by 25 non-teaching staff.
- The Department of Botany organised an online guest lecture on Pharmaceutical, cosmeceutical and nutraceutical significance of algae - by Dr. MA Deodhar, Head, Dept of Botany, Vaze College, Mumbai on 5th May, 2020. This lecture was attended by 205 students.
- A lecture on COVID 19 Insights into research was organised by the department of Botany for which Dr. Shailesh Sonar, Principal Scientist, Biogenomics, Thane was invited on 9th May, 2020. 82 students attended this program.
- An e-poster competition to celebrate **World Technology Day**, was organised on 11th May, 2020 in which 42 students participated. Invited Judge for this competition was Dr. Nisha Muni, Botany dept., R J College, Mumbai
- Guest lecture on Role of Industry in Development of Academics by Dr. SS Barve, Deputy Director, SRC, Vaze College, Mumbai was organised on 12th May, 2020. 250 students attended this webinar.
- A webinar on Drug discovery and medicinal plants by Dr. Ajay Namdeo, head, Poona College of Pharmacy was organised on 16th May, 2020. 269 students participated in this program.
- Guest lecture on the topic Mangrove and mangrove associates - Natural strugglers was

organised by the botany department for which Dr. Mangal Patwardhan, head, dept of Botany, Gogate-Jogalekar College, Ratnagiri was invited on 22nd May, 2020. This lecture was attended by 250 students.

- An online session on biodiversity conservation- Why and How was delivered by Dr. Veena Gupta, head, Scientist, Division of Germplasm Conservation, ICAR-NBPGR, New Delhi on 28th May, 2020. 256 students attended this programme which was organised by the Botany department.

Statistics

- Guest Lecture on Sample Survey without Field work was organised on 16th January, 2021 by Dr. Sharayu Paranjpe. This session was attended by 140UG; 13PG; 7 teaching staff.
- Sankhyashastra, annual department festival of Statistics was celebrated by organising a Guest lecture on opportunities in Statistics and how to catch them by Anil Gore, Fellow, Indian Academy of Science on 27th January 2021. This program was attended by 140 UG, 10 PG students and 7 teachers
- National statistics day
- Netaji Subhash - 23rd Jan 2021



Mathematics

- A workshop on Origami was conducted by Mr. Sagar Shrivastava, Ph.D. Fellow, Pure Mathematics at the School of Mathematics, TIFR Mumbai on 25th January 2021. 180 Students attended this online workshop



- **National Mathematics day** to commemorate the birth anniversary of Shri Ramanujan was celebrated by the Department of Mathematics, K. J. Somaiya College of Science and Commerce on 22nd December 2020. -

Nutraceuticals

- The Department of Nutraceuticals organised a webinar on Food safety and risk assessment during COVID 19 by Dr. Sheetal Gupta, Deputy Director, FSSAI on 15th May, 2020. This webinar was attended by 210 students.
- Webinar series on Tryst with ancient vedic heritage through nutraceuticals: a wellness connect by Dr. Jyoti Vora, former HOD, Biochemistry, Ruia College, Mumbai on 9,16,23 July 2020 by IQAC and department of Nutraceuticals. Altogether 94 Students and Teachers joined these sessions.



Polymer Science

- The Department of Polymer Science organised an Industrial Safety webinar by Nikita Mhadeshwar, Sr. Production Engineer, DOW Chemical International Pvt. Ltd. on 22nd May, 2020. This webinar was attended by 50 Students.

Commerce Departments Business Law

- Department of Business Law organised an Online Workshop on Intellectual Property Rights, jointly with RGNIIPM, Ministry of Commerce; Industry, Government of India on 4th September, 2020 which was attended by 130 students, 4 teachers.



- DEMOCRACY FORTNIGHT 2021 (Democratic values and the role of educational institutions) was celebrated on 5th February 2021 by the department of Business Law. Inaugural lecture was delivered by Dr. Rashmi Oza, Principal of chembur Karnataka college of Law. 208 students attended this online program.



- DEMOCRACY FORTNIGHT 2021 (women in Governance) was celebrated by organizing a guest lecture by Dr. Sayali Yadav, Assistant professor in Department of commerce at Guru Nanak Khalsa college, Mumbai on 9th Feb 2021. 200 UG students attended this program.

- A webinar on Role of Youth in Standing Up Against Racism was organised by Department of Business law on Mar 24, 2021. For this session Dr. Kiran Sharma, Asst Professor of Law, KC College, Mumbai was present as a resource person. 246 students attended this session.



Economics

- The Economics department organised a Poster making competition for students between 23th November- 9th December 2020 in which 10 UG students participated.



- Arthalekha, an annual departmental festival of Economics department was celebrated on 13th January, 2021 by organising Portrait competition and Presentation competition on 13th January, 2021. 35UG and 8 PG students participated in the same.



- World Consumer Rights Day Quiz Competition -

Accountancy

- “Pirates of Accountancy” an online quiz was organised by the Accountancy department on 27th January 2021 in which 18 UG students participated.





SOMAIYA
VIDYAVIHAR

K J Somaiya College of Science & Commerce



Activity Report 2020-21

College Committees

INDEX

NCC	36
NSS	38
Department of Lifelong Learning and Education (DLLE)	41
Career Guidance Cell	43
WDC	43
Library department and Library Development committee	44
Research committee	Error! Bookmark not defined.
Feedback Committee	45
Student Council	45
Mulya Pravah	45
Mentor- Mentee committee	46
Alumni Association Committee	46
IQAC	47
Attendance Committee	49
Cultural Forum	50
International Relation	Error! Bookmark not defined.

Annual Activity Report 2020-21

NCC

- **TREE PLANTATION DRIVE:**

This drive was conducted from 9th July to 15th July 2020 with a view of spreading awareness among cadets for planting more trees in their locality thereby realizing the importance of trees for a healthy environment.

Cadets planted various trees and wholeheartedly participated in this activity making it a success.

Around 2.1 tons of waste was collected by the entire NSS Unit of KJSSC and made this activity a huge success.



- **INTERNATIONAL YOGA DAY:**

On the occasion of international yoga day which was observed on 21st June 2020, 45 cadets have performed different types of yoga asanas, realizing the importance yoga has in our day to day stressful life. The aim behind conducting this activity was to ensure that all cadets realize what importance yoga holds in their day to day life which not only improves our physical health, but also improves our mental health.



- **KAYAKING COMPETITION**

KJSSC 41 Girls NCC cadets have participated in District level kayaking competition at Dahagaon , Kalyan under the supervision and guidance of Lt. Dr. Rohini Kasabe. In competition three cadets won gold medals under 17 Cdt Vaishnavi Kailash Sawant, Under 19 Cdt Samishtha Santosh Jadhav & Under 20 Cdt Khushboo Rajesh Yadav. All three gold medalist cadets qualified for the State Kayaking Competition.



- **CLEANLINESS DRIVE 2020-21**

The Waste Collection Drive was conducted by The NSS Unit of K. J. Somaiya College of Science and Commerce. In this activity, the volunteers collected waste such as plastic, paper, metal, glass and E-waste like mobile, earphones, television and other electronic things. After collection, the volunteers submitted their waste collection at the nearest pickup point from their residential area as per the guidelines by Mumbai University. Around 2.1 tons of waste was collected by the entire NSS Unit of KJSSC and made this activity a huge success.



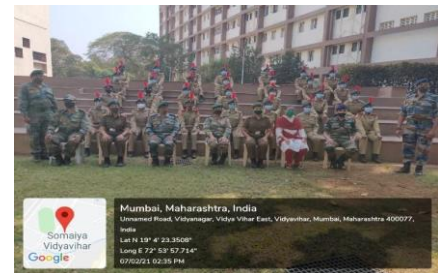
- **CATC 2020-2021**

CATC is a compulsory camp of NCC and it must be attended by every cadet. Duration of this camp is 10 days. In this camp a normal student is transformed into a cadet who is ready to tackle all problems coming in front of them.

During this camp cadets are supposed to live under the control of NCC Staff where they are bound to agree to all their commands. Different games are also conducted for cadets. Cadre of 5 days from 3-02-2021 to 7-02-2021 was organized for the annual camp .These cadre was



conducted during COVID-19 situation . CADETS had participated in it by taking proper precautions and also had learned many things For eg Map reading. About rifle and position Drill practice about health and hygiene etc.



NSS

- As Covid-19 positive cases continued to mount, Maharashtra was in acute shortage of blood supply, under all safety and precautions of Covid - 19 pandemic, Blood Donation Camps were organized in Bhandup(w), Vidyavihar, Badlapur, Ambernath, Thane, Karjat, Dombivli, Kalwa, Mulund and Sion, by the NSS Unit of K J Somaiya College of Science and Commerce in collaboration with several hospitals in the respective areas. 397 Units of blood were collected due to the efforts of NSS volunteers from KJSSC.



- WEBINARS:** various webinars and workshops were held from time to time on the topics which were of relevance to the society.
 - Webinar on JOYOUS JOURNEY WITH YOGA was conducted on 20th June 2020,. It got huge response and 600 participants including teaching, non-teaching staff and students were benefited from the activity
 - Webinar on Cyber Sakhi in collaboration with Responsible Netism NGO was conducted on 14 July, 2020, 224 Students along with 2 Teachers

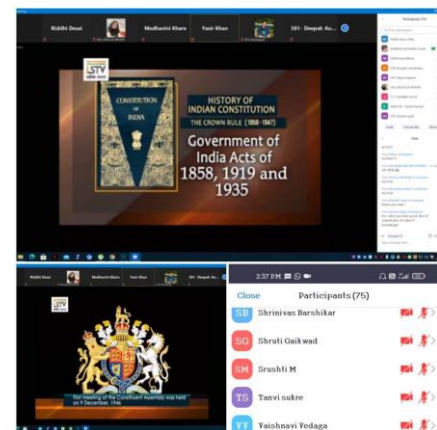
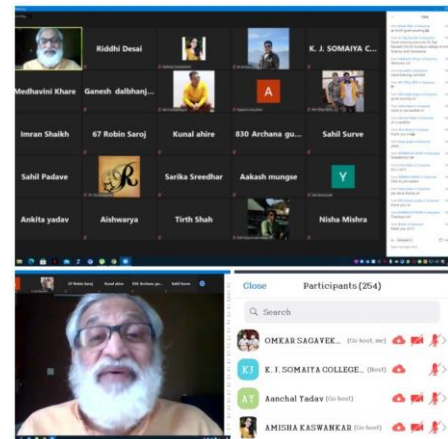


participated in the event.

3. Webinar on Career in Social work and Role of Students in Pandemic by prof Amey mahajan, 25th August,2020, UG: 180; Teaching :5
4. Webinar on AAKar by Suraj Badaria i collaboration with CDF (Connecting Dreams Foundation), 28th August 2020, 100 school students
5. A Webinar on Polycystic Ovarian Syndrome - PCOS. by Dr. Jyoti Kulkarni, 28th September 2020, 248 Student
6. Open Webinar on Odisha Culture and its Contribution to Peace and Harmony in 25th September 2020 436 Students
7. Webinar on Blood Disorders and Need for Lifesavers in collaboration with NGO DKMS BMST Foundation India by Santanu Sen, 10th November 2020, Students UG: 85, others 210
8. Workshop on Organ Donation in collaboration with V4 Organs Foundation by Mr. Shrikant Apte, 25th November 2020, Students UG: 180, others 268
9. Seminar on Documentary screening, 26th November 2020, Students UG: 74, Teaching -1

- Online competition NSS TALENT HUNT, 15-19th August, 2020, A Quiz Competition based on 'PEACE AND HARMONY' kick-started NSS TALENT HUNT on 14th August, 2020, in which 1000 people participated. After that, Number of creative competitions were held in the Post Independence Day Week. It included Essay Writing, Poem Writing, Photography, Singing, Dancing, Art and Best out of Waste Competition. They were conducted to engage people in various activities and remind them to be cheerful and hopeful in COVID Times. 1000 Students, teachers - 14, non teaching -1

- Video Campaign of Eco-friendly Diwali, 13th



November 2020, Students UG:110

https://youtu.be/bJ_Jz87_crg

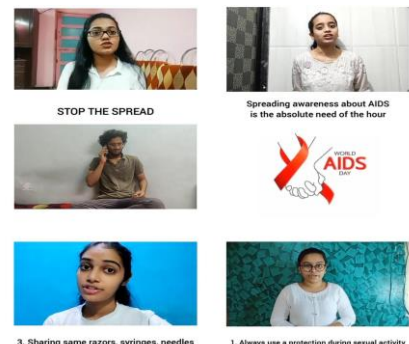
- Reading of the Preamble and Fundamental rights, .26th November 2020, Students UG: 30

<https://youtu.be/nEAhRxBALIU>

- Memes on AIDS awareness in collaboration with red ribbon Club, 1st December 2020, 430 participants and 2 volunteers
- On the occasion of **World AIDS Day**, NSS volunteers of K. J. Somaia College Of Science And Commerce made Memes on AIDS Awareness. Comical memes were made and shared on our social media sites to encourage them to get tested and know their status which contributes towards the society.



- Digital Skit on Awareness of HIV/AIDS, on 1st December 2020, (13 participants and 430 beneficiary). On the occasion of World AIDS Day, NSS volunteers of K. J. Somaia College Of Science And Commerce made a Digital Skit on AIDS Awareness. This video was shared on all social media platforms and in this manner the NSS Unit lent support to those living with HIV and pledged to always contribute in creating awareness about HIV/AIDS.



- Poster making competition on AIDS Awareness was held on 1st December 2020, The competition was organized with an aim to inculcate creativity among participants regarding AIDS awareness. Posters were uploaded on google forms. 57 participants and 430 beneficiaries were there,



- Presentation competition was conducted on 4th December 2020 ;:On the account of **National Navy Day**, 5 groups of NSS volunteers (65 Student) prepared presentations and shed light on various topics related to Indian Navy. It enriched volunteers with authentic information about our Navy and helped them understand its organizational structure, ranking system and importance.
- Volunteering in COVID - 19 Vaccination Drive.
- Presentation Webinar on the occasion of **Marathi Divas** and **National Science Day**
- River Cleanup drive
- Target Publication survey of voters.
- Waste Management -For Better Tomorrow
- Waste Collection Drive
- Mangrove clean up drive
- Take the Youth Pledge
- Tree Plantation
- Video on Road Safety



Department of Lifelong Learning and Education (DLLE)

- Webinar on Career Opportunities in Healthcare Industry by Mr. Sameer Joshi, Founder and Chairman, Transcender Services Pvt. Ltd. was organised by DLLE in association with IQAC on 8th July, 2020 which was attended by 70 Students.
- Online Quiz on
- on 2nd October 2020 in which 601 students participated.

- Webinar on People like Gandhi, who brought difference in the world was organised by DLLE on 10th October 2020 which was attended by 70 students. Mrs. Sabiha More, Associate Professor at Smt. Surajba College of Education, Andheri Mumbai was invited as the speaker for the webinar.



SOMAIYA VIDYAVIHAR
K J Somaiya College of Science & Commerce

Webinar on
PEOPLE LIKE GANDHI - ONES WHO BROUGHT DIFFERENCE IN THE WORLD
Organized by
DEPARTMENT OF LIFELONG LEARNING AND EXTENSION (DLLE) UNIT
of
K J SOMAIYA COLLEGE OF SCIENCE AND COMMERCE

Speaker:
Mrs. Sabiha More
Associate Professor
Gandhi Shikshan Bhawan's
Smt. Surajba College of
Education
Andheri, Mumbai

10 October 2020
4:00 pm - 5:00 pm
Your Nearest
Laptop/Desktop/Mobile

[Click here to Register](#)

Organising Committee

Mr. Ajay Tripathi	Mr. Satish Bhor
Mr. Sagar Shah	Dr. Meena Patankar
Mr. Sarang Gujar	Ms. Shilpa Sawant
Ms. Chinnai Goodbole	Dr. Chetan K. Jiwaji
Ketan Kumar Gopalwad	Dr. Saurabh A. Shete

- The Webinar is open for all.
- Joining Link will be mailed to registered Participants
- E-Certificate will be provided.

Dr. Amol Pawar
Convener

Dr. Pradnya Prabhu
Principal

- First Term Training Programme for extension work - Teachers and student managers was organised by DLLE on 9th November 2020 which was attended by 1027 Students and Teachers.



- Webinar on Age of Marriage and Gender Equality was organised by DLLE in association with WDC on 29th January 2021. 158 Students attended this program. Mrs. Seema Deshpande, National Office Secretary, President, Mumbai Branch, B.S.S; Ms. Rupali Pethkar, Chief Project Coordinator, Vacha Charitable Trust; Dr. Pradnya Kapse, M.S. Ayurveda (general surgery), Member, Executive Committee, Mumbai Branch, B.S.S.; Adv. Vrinda Kulkarni, Member, National Law Forum, B.S.S. were present as resource persons for this webinar. 158 students attended this session.



Age of Marriage and Gender

About the Workshop:
The workshop aims to sensitize about the legal age of marriage and the gender perspective.

The Workshop aims to deliberate on:

- Ideal age of marriage for women.
- Adverse consequences of early marriage.
- Role of legislation.
- Unfavourable medical conditions.

Speakers:

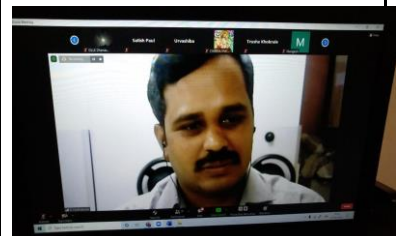
Keynote address
Mrs. Seema Deshpande,
National office secretary
President, Mumbai Branch, B.S.S.

Session I:
Early marriage practices
and the health impact on
female adolescent
Dr. Pradnya Kapse,
M.S. Ayurveda (general surgery)
Member, Executive committee,
Mumbai Branch, B.S.S.




Session II:
Social impact of early
marriage of girls.
Ms. Rupali Pethkar
Chief Project Coordinator,
Vacha Charitable Trust


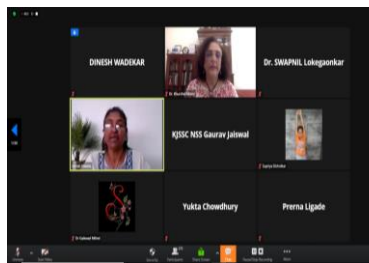
Session III:
Early marriage and the Law
Adv. Vrinda Kulkarni
Member, National Law Forum,
B.S.S.





- DLLE and Career Guidance Cell organised a webinar on Career opportunities in the Banking sector on 27th February 2021 which was attended by 376 Students. Mr. D.Muthukumar, Chief manager, Punjab National Bank, Vashi, Navi Mumbai was present as resource person. 376 students attended this program.



- Essay Writing Competition

Career Guidance Cell	
<ul style="list-style-type: none"> ● Webinar on Careers in Management Accounting through CMA-USA was organised by Career Guidance Cell on 18th January 2021 which was attended by 80 UG students. Mr. Zaheer Sayed, Director at Financial Planning Academy, Mumbai was present as a resource person. 	
<ul style="list-style-type: none"> ● Career Orientation Program by Mr. Sunil Gohil, Certified Career Counselor and Mr. Nilesh Bhat, Training and Placement Cell officer, DY Patil University was organised by IQAC and Career Guidance Cell on 25th June, 2020. This session was attended by 106 students. 	
WDC	
<ul style="list-style-type: none"> ● Webinar on Indian Feminism in collaboration with Bharatiya Stree shakti was organised by WDC on 9th September 2020. 600 academicians and NGO members attended this webinar. Dr. Manisha Kothekar, All India Organising Secretary, B.S.S., Director, Regional Centre, Maharashtra University of Health Sciences, Panelist, Pre Litigation Counselling, Family Court, Nagpur; Smt. Nayana Sahasrabudhe, Vice president, B.S.S.; Dr. Prachi Moghe, Vice-President, B.S.S., Mumbai were the resource persons for this webinar. 	

Library department and Library Development committee	
<ul style="list-style-type: none"> ● Effective utilization of J GATE PLUS for researchers by Mr. Mayank Dedhia, training and business development manager, Informatics, J GATE was organised by the Library department and Library Development committee on 20th June, 2020. His program was attended by 323 students. 	
<ul style="list-style-type: none"> ● Workshop on “Use of Inflibnet Services” on 3 rd November 2020 by Ms. Nalini Raja, Ex. Regional Co-ordinator Inflibnet Services, Retired Senior Assistant Librarian, University of Mumbai. <p>No of beneficiaries – 204</p>	
Research committee	
<ul style="list-style-type: none"> ● One day National Open Webinar on Title: “TREAT CANCER, BEAT CANCER” was organised by the Research committee on 4th February 2021 which was attended by 306 students. Dr Khurshid Mistry Trustee, N. K. Dhabhar Cancer Foundation Dadar TT, Mumbai was the resource person for the webinar 	
<ul style="list-style-type: none"> ● Art of CRitically reading a research paper 	

Feedback Committee	
<ul style="list-style-type: none"> A webinar on Student Satisfaction index by Peeyush pahade, IQAC Cluster India, was organised by Feedback Committee and IQAC on 13th February 2021 which was attended by 116 teaching faculty members. 	
Student Council	
<ul style="list-style-type: none"> A webinar on Menstrual Hygiene by Mrs. Nitya Chaudhary, specialist in Social work, women empowerment and project manager at Unicharm India was organised on 17th February 2022 by the Student Council. This webinar was attended by 378 UG students. 	
<ul style="list-style-type: none"> The Presentation Competition was organised by the Student Council from 12-21st January 2021 in which 8 UG students participated. 	
<ul style="list-style-type: none"> Mental Health 	
Mulya Pravah	
<ul style="list-style-type: none"> Three Day National Webinar on Introduction to Heartfulness Practices by IQAC & MULYA PRAVAH in collaboration with Heartfulness Institute, Mumbai was organised on 20th July, 2020 to 22th July, 2020. Mr. Rajagopal Subramanyam, Mrs. Namrata Walvekar and Mrs. Lalita Rajgopal from Heartfulness Institute were the resource persons for the webinar. 84 Students and Teachers attended these sessions. 	

Certificate Course on Value Education - charitrapushpa

Mentor- Mentee committee

- A guest lecture on "How can we effectively do the mentoring?" by Dr Vidyagauri Joshi, Ex Principal, Ashoka International Centre for Educational Studies & Research, Nashik. on 15th September 2020. This webinar was attended by 40 teachers.



Alumni Association Committee

The lecture by **Solicitor Vishwanath Mannadiar** was arranged on 22/05/2020 with an aim of increasing appreciation, education and **awareness** of the value and importance of **biodiversity among students and staff**.

Decoding Brain and Neuro Consciousness by Prof Ganesh Naik, Director of Chemistry and Environmental Sustainability Program, Professor of Chemistry, Alumnus 2000 batch was organised by Alumni association Committee on 29th August 2020 which was attended by 44 students.



IQAC


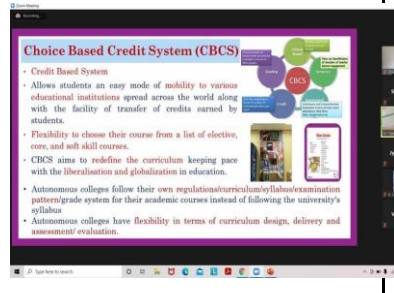
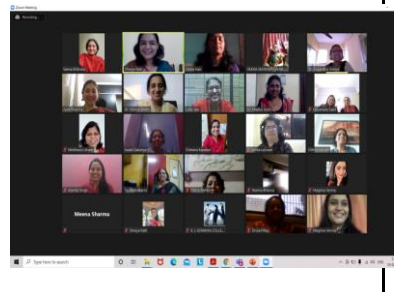

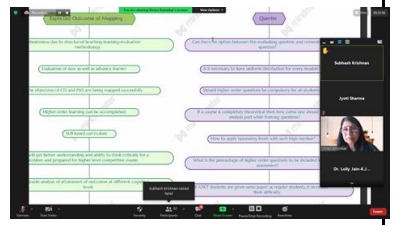
- Role of Social, legal and financial institutions in Biodiversity Conservation in collaboration with Somaiya Centre for Experiential Learning was organised by IQAC on 6th June, 2020. 320 students attended this webinar. Mr. Parth Bapat; Head, Somaiya Centre for Experiential Learning, Somaiya Vidyavihar, Mumbai; Advocate Amogh Paralikar-associated with Bombay High Court, Civil and District Court, National Green Tribunal, Pune and Dr. Aparna Watve, Associate Professor, MIT,WPU, visiting at TISS, Bharati Vidyapeeth Environment Education and Research Institute, Trustee Biome Conservation Foundation, Pune were the Resource persons for the Webinar.



- How To read Scientific Literature and Introduction to MANAV, the Human Atlas Initiative by Dr. dhara Patel, Domain Expert, Science Communication and Public engagement for MANAV Project, IISER Pune was organised by IQAC on 3rd July, 2020 which was attended by 36 Students, 8 Teachers of Biological sciences.

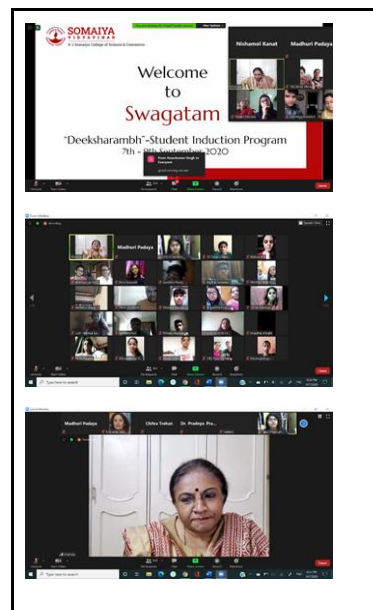


- Effective Evaluation through Multiple Choice Questions & Inversion of Bloom’s Taxonomy Triangle using Flip Education Model & Making Question Papers relevant through Context based Questioning” by Dr. Lakshmy Ravishankar, Professor, Chemistry, V.G.Vaze College of Arts, Science and Commerce (Autonomous), Mumbai and Dr. Marazaban Kotwal, Head, Chemistry department and Controller of Examination, St. Xaviers College, Mumbai was organised by IQAC and Exam Cell on 7th-8th July, 2020 which was attended by 190 faculty members from different colleges in Maharashtra.

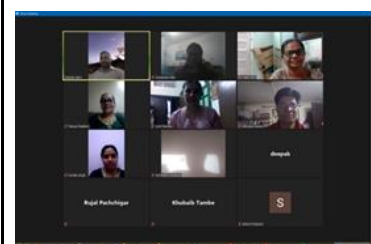
<ul style="list-style-type: none"> A webinar on National Education Policy 2020: Transformation of higher education was organised by IQAC on 31th October 2020 which was attended by 245 teaching faculty members from different colleges. Prof Vasudha Kamat, Former vice-chancellor, SNDT university, Mumbai and Member of committee of National education policy was the resource person for this webinar. 	
<ul style="list-style-type: none"> Workshop on OBE was organised by IQAc for all faculty members on 9 and 10 th March, 2021. Dr. V. Vijaykumar, Professor & Controller of Examinations, in Sri Ramakrishna College of Arts and Science Coimbatore was invited as a resource person for this workshop. 80 faculty members attended this workshop on both the days. 	
<ul style="list-style-type: none"> Guest lecture by Dr Prashansa Raut-Dalvi, MBBS, DGO, DNB on Womens' health was organised by IQAC on account of Haldi-Kumkum Celebration for female teaching, non teaching staff and spouses of male staff on 10th February 2021. This lecture was followed by stress bursting game activities for which 69 participants were present. 	
<ul style="list-style-type: none"> Session by Ms Bhavna Pandya for FY students on RIDLL was organised by IQAC on 11th February, 2021 for which 340 UG students were present. 	
<ul style="list-style-type: none"> Workshop on Outcome based education and assessment was conducted on 9,10, 12 and 15 April, 2021 by Dr. Sybil Thomas, Fr Fraser and Prof Vivien Amonkar. The objectives of the programme was to make the participants be aware of the concept of the outcome based education 	

Attendance Committee

- Swagatam 2020-21 - Three Days Online Induction Programme, “Swagatam” for F.Y B.Sc and F.Y.B.Com students was organised during 7-9th September, 2020. Owing to the ongoing pandemic situation, the Induction Programme was held through the zoom platform. The objectives of the programme were to make the students feel comfortable in their new environment mainly with the online lectures and virtual class rooms, inculcate in them the ethos and culture of the institution, help them to build bonds with other students and faculty members and expose them to a sense of larger purpose and self-exploration.



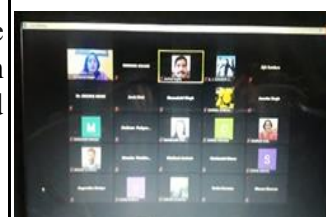
- SY-TY Parents Teachers’ Meeting was conducted on 14th October 2020. 820 Parents and Students participated. It was conducted to tell the progress of the students and to find out what are the problems which the child or a parent is facing. It was kept with a view to make the parents aware that the online exams will be conducted and to emphasize that attendance is required so the student must attend all the sessions.






- FY Parents Teachers’ Meeting was held on 7th November 2020. It was to acquaint the parents of FY BSc with the progress of the child and discuss the problems if any regarding the online teaching. Different sessions by all the departments were taken under which the introduction to department and mode of teaching and exams was elaborated. 465 Parents and Students participated



- A workshop on ‘How to take and compile Online Attendance?’ by Maduri Padaya and Dr Deepak More on 12th December, 2020, 45 Teachers participated and benefited by the workshop



<ul style="list-style-type: none"> Online PG Induction Programme was conducted on 18 and 19th December 2020. 254 MSc I students attended the program. I was conducted with a view to introduce the new students to the college facilities and members. 	
<p style="text-align: center;">Cultural Forum</p>	
<p>Annual Day</p> <p>On 6th February 2021</p> <p>The event showcased the musical, dance and acting talents of students from all over the departments. The chat box open to the audience was constantly filled with encouraging comments. The event was appreciated by a number of students and teachers.</p> <p>Although virtual, the event was a much-needed break from the regular at home routine in this pandemic. The event was a success with 160+ participants</p>	
<p>Inauguration - 6th November 2020.</p> <p>As per tradition, the event began with the recitation of the campus prayer. This was followed by the Cultural Convener, Dr. Reema Khanna announcing the Cultural heads for the year. The event also saw brilliant performances from students of the Cultural Forum. The Cultural Secretary then presented a video recap to 2019 and talked about the plans of the Team for the new academic year, revealing the theme for the year, 'BINGE+' and the upcoming intercollegiate fest 'PHOENIX' and the intracollegiate fest 'SURABHI'. This was followed by Team Asmita with their plans for 2020-21.</p> <p>The event was a success with 130+ participants</p>	

Mother Language Day

22nd February 2021,

The event was a celebration of the vivid languages. Teachers and students from both Junior College and degree college participated in the event. It was a colourful and playful kaleidoscope of multiple cultures. Poems, folk songs, write ups brought life to the event. The chat box was constantly filled with appreciative comments.

With quality content and 40+ participants, the event was a joyful success.



मराठी भाषा संवर्धन पंधरवडा

क.जे.सोमय्या विज्ञान आणि वाणिज्य महाविद्यालयाच्या सांस्कृतिक विभागाच्या वतीने "मराठी भाषा संवर्धन पंधरवडा," निमित्ताने खालील कार्यक्रमांचे आयोजन करण्यात आले-

१. "माझी टपालसेवा", - प्रसिद्ध अभिनेते, विघ्नेश जोशी... यांनी सुप्रसिद्ध साहित्यिकांच्या रचना प्रेक्षकांपर्यंत मोठ्या खूबीने पोहोचविल्या.

२. "बहिणाबाई एक समग्र ओळख", - प्रा. सुचेता नलावडे यांनी निसर्गकन्या बहिणाबाई यांच्या कवितांचे विवेचन केले

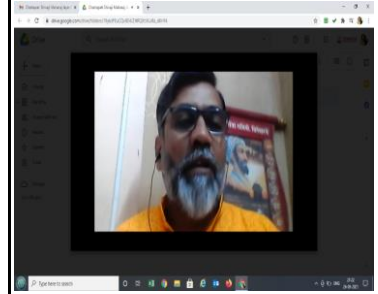
३. विद्यार्थ्यांसाठी निबंध स्पर्धा आयोजित करण्यात आली...

एकूणच वरील कार्यक्रमांला मिळालेल्या प्रतिसाद बघून असे म्हणावेसे वाटते.. की शासनाने राबविलेला मराठी भाषा संवर्धनाचा उपक्रम अत्यंत स्तूत्य आहे.



Shivaji Jayanti

क.जे.सोमय्या विज्ञान आणि वाणिज्य महाविद्यालयाच्या सांस्कृतिक विभागाच्या वतीने छत्रपती शिवाजी महाराज यांच्या जयंती प्रित्यर्थ, दिनांक १९ फेब्रुवारी २०२१ रोजी "शिवाजी महाराजांचे व्यवस्थापन कौशल्य", या विषयावर व्याख्यान आयोजित करण्यात आले, व्याख्याते होते.. सुप्रसिद्ध इतिहास व दूर्ग अभ्यासक श्री. पराग लिमये.... महाराजांच्या आयुष्यातील विविध प्रसंग, लढाया, आणि त्यावेळी केलेले नियोजन आणि modern management ची principles ह्यांची उत्तम सांगड घालत व्याख्यान खुलवत नेले.... हे व्याख्यान सगळ्यांनाच खूप उपयोगी ठरेल... कारण management ची सारी सूत्रे शेकडो वर्षापूर्वी महाराजांनी कशी अंमलात आणली होती याची उदाहरणे देताना तीच सूत्रे आपल्या दैनंदिन जीवनातही कशी फायदेशीर ठरतात याचा विचार सर्व श्रोत्यांना करता येणार आहे.. या व्याख्यानाला ८० जणांनी उपस्थिती लावली ज्यात विद्यार्थी आणि शिक्षक ही होते.



Surabhi

For the first time, the Cultural Forum of K J Somaiya College of Science and Commerce brought their intra-collegiate fest ‘Surabhi’ to the virtual platform. The events were all along the lines of the theme ‘Binge+’. The events were divided under four categories, Performing Arts, Literary Arts, Fine Arts and Special Events. Entries were accepted in google forms and live events were conducted on 15th February 2021.

Although virtual and in an entirely new way, the team managed to run all events smoothly. Winners were announced shortly and were awarded with e-certificates. With a total of 14 events and 70+ registrations, months of preparation of the team lead to the success of the virtual event.



Teachers’ Day

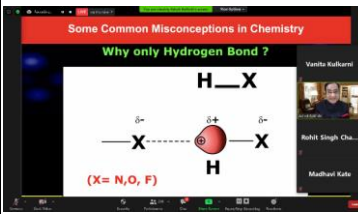

On Saturday, 5th September 2020, the Cultural Forum of K.J. Somaiya College of Science and Commerce organised a virtual celebration via Zoom meet, on the occasion of Teachers’ Day. The event was open to all the students, teaching and non-teaching staff.

Following tradition, the event commenced with the recitation of the Campus Prayer; followed by a number of dances, singing and beautiful poem recitations. The event was hosted by former Joint Secretary, Sis. Shreya Mane. The highlight of the event was the recordings of the interviews taken by the Cultural Forum Team, who interviewed the HODs’ of the various departments. Students were excited to see their teachers answering the questions that they’d sent in. The teachers learned new things and could relate to a number of things their fellow colleagues were saying.

Tribute to Veer Savarkar

26th February, 2021. The program was presented by Ms Lalitagauri Agashe, director, Tanjavur Dance School, USA. Veer Savarkar was a multi-dimensional personality - a freedom fighter, social reformer, writer and a political thinker.



International Relation	
<p>Learn From Stalwarts 17-18 th February 2021 Resource Person - Prof A. K. Bakshi, Vice Chancellor, PDM University</p> <ol style="list-style-type: none"> 1) Dr. Bhawani Shankar Joshi, Director Bruker India 2) Prof. M. S. Balakrishna, IIT Bombay 3) Dr. Adhish Tyagi, BARC 4) Dr. Sandip Nigam, BARC <p>Attendees - 1600</p>	
<p>Learn From Stalwarts in collaboration with Aston University 16-19th Feb</p> <p>Four webinar has been organized in the collaboration of Aston university in which the speakers has shared the progress development for cell therapies and exosomes for regenerative medicine as well as Regenerative medicine strategies for the treatment of chronic lung disease. They have shared the contemporary progress which has been made in the cancer field and how the students get benefitted with the opportunity for pursuing the interdisciplinary and collaborative research between both the institutes. Mostly the target audience for the lecture series is biological science students.</p>	
<p>125 Glorious years of X-ray discovery - 27 th February 2021 Dr A.K.Tyagi started with the discovery of x-rays and took the audience through the fascinating journey of 125 glorious years of x-ray discovery through chronological developments to various applications in biological field to</p>	



modern day charged particle accelerator, prediction of new elements, geoscience etc.

Through his extensive studies and vast knowledge he presented a list of all the Noble prize winners in the X-ray related field.

The science based stories and his own experiences shared by Dr. A.K. Tyagi were enjoyed by all the students

Attendees - 1400
