



H(S)NC Board's



KISHINCHAND

CHELLARAM COLLEGE

Principal K.M. Kundnani Chowk, D.W. Rd., Churchgate, Mumbai-20.

Reaccredited 'A' Grade by NAAC (3rd Cycle), 'Best College' Award by University of Mumbai,

DBT STAR SCHEME

Progress Report of Completed Activities

Period : 2016-2019

Departments

Biotechnology

Chemistry

Life Sciences

Microbiology

Statistics

1.Name of the College: Kishinchand Chellaram College

2.Name of Departments supported: Biotechnology, Chemistry, Life Sciences, Microbiology and Statistics.

3.Name of Coordinator, designation, address, phone nos. : Dr.Sagarika.V.Damle, HOD,
Dept of Life Sciences,K.C.College,Dinshaw Wachha Road,Churchgate,
Mumbai-400 020. Mobile No: 9820360383, College: 022-66981000 (Extn 117)

4.No. of regular faculty with Ph.D. in each participating Department:

Name of the Department	No. Of Faculties with Ph.D.
Biotechnology	01
Chemistry	08
Life Sciences	06
Microbiology	02
Statistics	02

5.List of courses (B.Sc./M.Sc./PG Diploma, Certificate etc.) run by different participating departments:

Name of the Department	List of Courses
Biotechnology	B.Sc. Biotechnology
Chemistry	B.Sc.,M.Sc. by papers and research and Ph.D. in Physical,Organic, Inorganic and Analytical chemistry
Life Sciences	B.Sc., Ph.D. Life Sciences
Microbiology	B.Sc., M.Sc. by papers and research
Statistics	B.Sc.,B.A.,B.Com

6. Cut off percentage for admission in different courses in participating departments, positions in university, percentage of result in 2009-10 academic session:

Name of the Department	Cut off Percentage			
	2015-16	2016-17	2017-18	2018-19
Biotechnology	78%	80%	82%	85%
Chemistry	50%	50%	55%	60%
Life Sciences	45%	50%	55%	67%
Microbiology	45%	60%	65%	68%
Statistics	45%	50%	50%	60%

7.List of projects undertaken by students, Industrial visits by students, summer training in last one year:

A. PROJECTS

Department: Biotechnology

Projects: 2016-17			
Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Ms. Jayshree Sonagra Ms. Krisha Desai	Qualitative Analysis of Various Adulterants and Microbes in Milk Samples Collected from Different Areas Of Mumbai.	Dr. Sheela Valecha Inter- disciplinary
2.	Ms. Shreshtha Shah	HPLC Analysis and Evaluation of Antimicrobial Activity of two weed plants.	Ms. Anushi Divan
3.	Ms. Jareena Joseph	Characterization of altered oral microbiome & analysis of salivary biomarkers in smokeless tobacco consumers.	Dr. Anupma Harshal
4.	Mr. Adarsh Chalke	Microbial Characterization of smokeless tobacco products and its effect on the oral cavity.	Dr. Anupma Harshal
5.	Ms Shaba Parpia Mr.Rohit Halder	Factors affecting the uptake of Hookah and Alcohol among youngsters- A cohort study	Ms. Anushi Divan
6.	Ms. Madiha Sheikh Ms. Rutuja Walavalkar Ms. Madhu Kumari	Prevalence of PCOS among women in Mumbai and relation of its symptoms with work hours- A randomized controlled study	Ms. Nandini Desai
7.	Ms. Bushra Khan Ms. Ramya Sindhyan	Extraction and detection of antimicrobial Effect of plant based dyes.	Dr. Sejal Rathod Ms. Anushi Divan
8.	Ms. Mayuri Iyer Ms. Samrin Shaikh	Study and Causes of ADHD among school children in Mumbai	Dr. Sejal Rathod Ms. Anushi Divan
9.	Ms. Saloni Samant Ms. Prachi Pawar	Extraction of Endophytic fungal metabolites and characterization of Soil Microflora from mangrove Environment	Dr. Pratibha Shah Ms. Nandini Desai

10.	Ms. Samta Veera Ms. Dhanashree Bothare	Anti- helminthic and Anti- microbial activity of some plants belonging to <i>Malvaceae</i> family	Dr. Sagarika Damle Ms. Sharon K.
11.	Mr. Abhijay Joshi Ms. Samreen Shaikh Ms. Simtalsarkar Ms. Bayaan Sarang	Analysis of quality of water in local stations around Mumbai.	Ms. Anushi Divan Ms. Sharon K.
12.	Ms. Sana Boblai Ms. Mayuri Iyer Ms. Namrata Singh	Characterization of Garden Soil & Formulation of immobilized Bio- pesticide & Bio-fertilizer	Ms. Nandini Desai
13.	Ms. Manali Kadu Ms. Pranita Rane Mr. Ajay Narayanana	Isolation of buccal microflora and quantification of salivary biomarkers in smokeless tobacco consuming population	Dr. Anupma Harshal Ms. Nandini Desai
14.	Ms. Nadera Dada Mr. Ashwini Kumar Shrabasti Banerjee Kanchi Jain	Green synthesis of Nanoparticles	Ms. Amina Dholkawala

Projects: 2017-18

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Janav Panchal	Detection and Isolation of <i>S.aureus</i> from meat samples in Mumbai and carrying out MRSA strain tests	Ms. Amina Dholkawala Dr. Sejal Rathod
2.	Sarrah Rampurawala Neeti Kothari Sushma Jakhad	Isolation, purification and characterisation of siderophores	Dr. Pratibha Shah Ms. Hajra Gupta
3.	Shubhankar Dube	Production of Lactic Acid by means of fermentation of Cowpea leaves	Dr. Pratibha Shah Ms. Hajra Gupta
4.	Samrudhi Pingle	Keratinase production in <i>B.subtilis</i> and efficiency of enzyme	Dr. Sejal Rathod Ms. Amina Dholkawala
5.	Namrata Saraf Gaurav Kudale	Formulation of natural protein powder	Ms. Anushi Divan
6.	Anjaly Tankaria Dhwani Sanklecha Andrea Pinto Holden Tuscano Ashlesha Pandey	Study of Bio-films	Ms. Anushi Divan
7.	Ayesha Zaoudarwala Sanjana Sawant	Isolation of Cellulose producing bacteria from rotten orange and grapes	Ms. Anushi Divan

8.	Riya Chheda Benhur D'souza Anuja Mistry Piroza Master Riya Dubey	Antiangiogenic activity of secondary metabolites from plant seeds	Ms. Sufiya Ansari
9.	Divya Goswami Shalini Singh Monal Mehta Umesh Pandey Shivam Bhist	Isolation of bacteriophage from sewage samples	Ms. Sufiya Ansari
10.	Sakina Lokhandwala Sakshi Shinde Himanshu Pandey Sejal Jain	Degradation and detoxification of azo dyes	Ms. Sufiya Ansari
11.	Rekha Chataule Riya Debnath Aranta Dongre Anuj Singh Juveria D	Production of bio-ethanol from newspaper	Dr. Sejal Rathod

Projects: 2018-19			
Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1	Janav Panchal T.Y.B.Sc (1)	Comparison of culture independent and culture dependent techniques to enumerate the number of microorganism from water sample in Mumbai	Ms. Amina Dholkawala Dr. Sejal Rathod
2	Sarrah Rampurawala Neeti Kothari Sushma Jakhad T.Y.B.Sc (3)	Isolation of siderophores producing organism from soil and optimization of siderophore detecting media	Dr. Pratibha Shah Ms. Hajra Gupta
3	Shubhankar Dube T.Y.B.Sc (1)	Study of the possibility and success of Lactic acid fermentation from Cowpea leaves as an alternative substrate	Dr. Pratibha Shah Ms. Hajra Gupta

4	Samrudhi Pingle T.Y.B.Sc (1)	Keratinase production in <i>B.subtilis</i> and efficiency of enzyme	Dr. Sejal Rathod Ms. Amina Dholkawala
5	Namrata Saraf Gaurav Kudale T.Y.B.Sc (2)	Formulation of natural protein powder from Indian sprouts and pulses	Ms. Hajra AS Gupta
6	Anjaly Tankaria Dhwani Sanklecha Andrea Pinto Holden Tuscano Ashlesha Pandey T.Y.B.Sc (5)	Extraction , purification and evaluation of colored pigments from soil actinomycetes for their use as coloring agents	Ms. Hajra AS Gupta
7	Ayesha Zaoudarwala Sanjana Sawant T.Y.B.Sc (2)	Isolation of Cellulose producing bacteria from rotten orange and grapes	Ms. Hajra AS Gupta Ms. Sufiya Ansari
8	Riya Chheda Benhur D'souza Umesh Pandey T.Y.B.Sc (3)	Isolation of pesticide degraders	Ms. Sufiya Ansari
9	Anuja Mistry Piroza Master T.Y.B.Sc (3)	Production of Bioplastics from micro-organisms	Ms. Sufiya Ansari
10	Divya Goswami Shalini Singh Monal Mehta Shivam Bhist T.Y.B.Sc (4)	Isolation of bacteriophage from sewage samples	Ms. Sufiya Ansari
11	Sakina Lokhandwala Sakshi Shinde Himanshu Pandey Sejal Jain T.Y.B.Sc (4)	Degradation and detoxification of azo dyes	Ms. Sufiya Ansari
12	Rekha Chataule Riya Debnath Aranta Dongre	Production of bio-ethanol from newspaper	Dr. Sejal Rathod

	Anuj Singh Juveria T.Y.B.Sc (5)		
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Projects: 2018-19(Ongoing)			
Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Chaurasia Jay Krupashankar, Kalani Mohit Rajesh, Kadam Chaitanya Sanjay, Ranjika Bhattacharya (Microbiology+Biotechnology)	Biodegradation of plastic by microorganism isolated from soil.(Interdepartmental)	Dr. Sejal Rathod, Dr. Pratibha Shah, Ms.Sufiya Ansari (Microbiology+Biotechnology)
2.	Priya Manglani, Maria Siddiqui, Deepti Shrigadi S.Y.B.Sc (3)	Testing of Antimicrobial properties of saliva	Dr. Sejal Rathod Ms. Sufiya Ansari
3.	Kiran Dhaliwal, Ananya Nair S.Y.B.Sc (2)	Detection of PCOS (Kit)	Ms. Sufiya Ansari
4.	Prerna Kukreja, Tannishtha Shetty S.Y.B.Sc (2)	Contraceptive Efficiency testing kit (Contra)	Ms. Sufiya Ansari
5.	Megha Shetty, Amisha Malaviya, Mikael Varghese S.Y.B.Sc (3)	Isolation of mycobionts and phycobionts from lichens and measurement of their anti microbial activity	Dr. Sejal Rathod Ms. Sufiya Ansari
6.	Hufriya Tantra, Afreen Supariwala, Aneeka Shaikh S.Y.B.Sc (3)	Extraction of serotonin from <i>Mycobacterium vaccae</i>	Ms. Hajra Gupta
7.	Aditya Achar, Rachel Anthony S.Y.B.Sc (2)	Study of enamel degrading organisms	Ms. Prachi Bhatia
8.	Arunika Sherry S.Y.B.Sc (1)	Production of Butanol by <i>Clostridium acetobutylicum</i> using grass as a substrate	Dr. Pratibha Shah Ms.Hajra Gupta
9.	Kavya Zaveri S.Y.B.Sc (1)	Study of the gut microbiome and isolate the neurotransmitter, Dopamine	Dr. Pratibha Shah Ms. Hajra Gupta
10.	Soma bhunia, Gauthami Bitla, Dolly Pandit.	Growth promotion by media optimization of lactobacillus.	Dr. Sejal Rathod, Ms Hajra Gupta

	S.Y.B.Sc (3)		
11.	Ayesha Momin, Saurav Talmale, Apurva Juwatkar , Simran Lawrence S.Y.B.Sc (4)	To isolate ellagic acid producing organism from pomegranate peel extract and to observe antioxidant activity	Dr. Sejal Rathod Ms. Richa Shah
12.	Akhilesh shinde Saniya kazi Tenzin mingyur S.Y.B.Sc (3)	Isolation of dandruff causing microorganisms , antibacterial and antifungal effect	Dr. Sejal rathod Ms. Richa shah
13.	Laveena Goswami Tanya Devnani Tanvi Bhaye S.Y.B.Sc (3)	Testing of anti-acne substances and formulation of new anti-acne cream	Ms. Hajra Gupta Ms. Prachi Bhatia
14.	Harsh Gala S.Y.B.Sc (1)	Extraction and qualitative analysis of 6-Aminopenicillic acid from <i>Pseudomonas cichorii</i>	Ms. Hajra Gupta Dr. Sejal Rathod
15.	Hamza Qazi S.Y.B.Sc (1)	Quantitative estimation of lauric acid from spoiled coconut and its impact on hair growth	Ms. Sufiya Ansari Ms. Hajra Gupta

Department: Chemistry

Projects: 2016-2017			
Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Devesh Tejawani	Comparative study of matting agents in nail lacquers using Titanium oxide and fused silica	Dr Sushil Puniyani
2.	Jayshree Sonagra Krisha Desai	Qualitative Analysis of Various Adulterants and Microbes in Milk Samples Collected from Different Areas Of Mumbai.	Dr. Sheela Valecha Inter- disciplinary
3.	Avanti Mhatre	Determination of heavy metals in various brands of lipstick	Mr Karun Sodah
4.	Affan Karel	Estimation of metallic elements present in banana inflorescence essential for progesterone regulation	Dr Satish Kolte
5.	Anjali Mer	Characterization of commercial detergents and natural cleansing agents with comparison of their potential for biodegradability	Dr Rajesh Samant

6.	Saloni Agarwal	Soil testing and determination of heavy metal concentration	Dr Yogita Shinde
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Projects: 2017-2018

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Ankita Patil	Study of microbial activity of fractionated extract of Cleodendrum inferme leaves	Dr Satish Kolte
2.	Prateek Shetye	Heavy metal content in vegetables from village farms and railway track farms	Dr Rajesh Samant
3.	Mamta Sundesha	Chemical and microbial analysis of translucent face powders	Dr Yogita Shinde

Projects: 2018-19

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	ShirinSiddique	Study of reactive dyes and their biodegradation	Dr. SheelaValecha
2.	SohrabSethna	Chemical analysis of organic juices and industrial beverages	Mr. Karun Sodah
3.	Pooja Jain	Effect of A/C water on kota tiles	Dr. SatishKolte

Projects: 2018-19(Ongoing)

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Ansari Humera and Ansari Effat	Preparation of Energy bar using figs and dates and comparing its nutritional status with commercial energy bars	DrSheelaValecha MsMridula Gupta
2.	Durriya Kanchwala	Estimation of polyphenolic contents in commercial fruit juices	Mr Karun Sodah
3.	Ms Surekha and Ms Somya	Isolation of proteins from <i>Moringa oliefera</i> and <i>Musa acuminta</i> by electrophoresis and its application as	Dr Satish Kolte

		antimicrobial and antitubercular	
4.	Dhwani Payal	Analysis of hazardous metals in ready to eat food materials	Dr Rajesh Samant
5.	Rachita Asrani	Analysis of Chocolates available in Indian markets	DrYogita Shinde
6.	Zoha Zariwala	Analysis of tattoo ink and its effect on human skin	Dr Charulata Chaturvedi

Department: Life Sciences

Projects: 2016-17			
Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Uttara Sawant, Nikita Thakur	Coffee Consumption In Urban Population And Estimation Of Caffeine From Different Coffee Brands	Dr.Sagarika Damle
2.	Chandan Das, Olivia Dias, Pranay Agarwal	Antimicrobial Properties Of Capsaicin	Dr. Tejashree Shanbhag
3.	Urmi Dhamnaskar	Development, Formulation And Evaluation Of Teeth Whitening Herbal Toothpaste Containing Cinnamomum Tamala	
4.	Pooja Nair	Isolation And Characterization Of L-Asparaginase Producing Micro-Organisms	Dr. Shalini Rai
5.	Supriya Adak, Jayesh Sawant	Health Problems Of Traffic Police Officers In Mumbai	Dr. Archana Thite
6.	Vaidehi Shirke, Manasa Ashokkumar	Screening Of Peltophorum Pterocarpum Flowers For Different Biological Activities	Dr. Aashu Vajpai
7.	Devika Mahimkar	A Study Of Isolation Of Myb Gene From Aloe Vera	Dr.Suvarna Sharma, Ms.Sharon Kadirvelu
8.	S.Y.B.Sc (45)	1. Should same sex marriages be legalized ? 2. Eco- friendly Ganesh Idols 3. Euthanasia -A boon or a bane?	Dr.Sagarika Damle Dr.Sonal Dasani

Projects: 2017-18

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Daksha Bhurat, Anuradha Ramesh, Huzeifa Porbanderwala.	Effect of commercially available food colours on the development of chick embryo	Dr.Shalini Rai and Dr.Aashu Vajpai
2.	Heenal Panchal	Study of expression of stress resistant gene HVA22 homolog from Aloe Vera in <i>Sacchomyces cerevisiae</i>	Dr.Archana Thite and Dr.Suvarna Sharma
3.	S.Y.B.Sc (50)	1.Effect of Lifestyles on Genetic diseases 2.Molecular Docking 3. A population based study on Cardiovascular diseases 4. Food Intolerance 5. Hypertension 6. Study of Biodiversity in Urban and Rural environment 7. Sleeping Disorders	Dr.Sagarika Damle Dr.Aashu Vajpai

Projects: 2018-19

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Atmaya Vartak and V. Aravind	Phytochemical Analysis and Green Synthesis of Nanoparticles using <i>Couroupitaguaenensis</i> aubl.	Dr. Sagarika Damle Dr. Archana Thite
2.	Sukaina Abbas Maitri Trivedi	Comparing the efficacy of commercially available products against acne gel using Bromelain	Dr. Tejashree Shanbhag Mrs.Amruta Kothare

Projects: 2018-19(Ongoing)

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Tasneem Nawab and Aakanksha Kulkarni	Creating a bioinformatics learning aid	Dr. Sagarika Damle and Dr.(Ms.)Aashu Vajpai
2.	Vikas Gurudu and Jasmine John	Study of properties of various kinds of turmeric and	Dr. Sagarika Damle and Dr. Tejashree

		formulation of an ayurvedic face wash and its comparison with commercial face washes	Shanbhag
3.	Manasi Prabhu and Avani Newrekar	Journey from waste to paper	Dr. Tejashree Shanbhag and Mrs.Amruta Kothare
4.	Niharika Gupta and Bhakti Tari	Production of Asparaginase enzyme from extremophiles	Dr. Shalini Rai and Dr.(Ms.) AashuVajpai
5.	Himakshi Vartak and Insiya Selia	Organic Juices;Plastic Degradation by Herbs and Spices	Dr. Archana Thite and Dr.Suvarna Sharma
6.	Bhoomi Dubal and Poonam Gupta	Analysis of efficiency of different feeds on zebra fish	Dr.(Ms.)AashuVajpai and Dr. ShaliniRai
7.	Vishal Bharadhwaj, Rishikesh Masolkar , Avani Newrekar, Mansi Prabhu, Mughdha Shigrekar	Food Nutrition and Healthy Living	Dr. Sagarika Damle and Dr.(Ms.)AashuVajpai
8.	Humera Ansari, Bhakti Tari, Eram Khan, Madalsa Gupta, Saba Qureshi	Malaria- A Epidemic	Dr. Sagarika Damle and Dr.(Ms.)AashuVajpai
9.	Vikas Gurudu, Yunus Kharodia, Manu Pillai, Kedar Vaidya, Vipul Vaishnov, Ashish Jaiwal	Awareness of Bioinformatics	Dr. Sagarika Damle and Dr.(Ms.)AashuVajpai
10.	Effat Ansari, Rachita Asrani, Durriya Kachwala, Raj Shah, Zoha Zariwala, Zia Shaikh	Survey of Night Owl and Early Bird	Dr. Sagarika Damle and Dr.(Ms.)AashuVajpai
11.	Sayali Bomble, Vedika Pandya, Insiya Selia, Himakshi Vartak, Mausam Yadav	Consumption of Organic Food	Dr. Sagarika Damle and Dr.(Ms.)AashuVajpai
12.	Garima Jain, Aankanksha Pal, Ayesha Mansuri, Misbah Khan, Tufayl Shaikh, Abhishek Gupta	Eyesight Problems in College Students	Dr. Sagarika Damle and Dr.(Ms.)AashuVajpai
13.	Bhoomi Dubal, Poonam Gupta, Raveena Papola, Niharika Gupta, Shrutika Hogale, Aakanksha Kulkarni, Sweta Pandey	Menstruation as a social taboo	Dr.Sagarika Damle and Dr.(Ms.)AashuVajpai

Department: Microbiology

Projects: 2016-17			
Sr . No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Urvi Shah Akanksha Singh Sharmila Chaudhary	Study of beta lactam resistance in ground water	Mr. V. Thigle Dr. Pratibha S
2.	Ankita Rathore Aishwarya Pande	Study of lipase from organisms causing spoilage of food products.	Mrs. Prabha P.
3.	Aditee Ashar Runali Jagtap Diksha Sawant	Isolation of Dye Degradars from Textile Effluent and Studying its kinetics.	Dr. Pratibha S
4.	Shraddha Gore Minu Agrawal Janvi Shah	Algae as biofuels.	Dr. Sejal R.
5.	Bhumika Kumari Yashodhara Shinde	Study of Antibacterial activity of Tinosora cordifoli and Cinnamon	V. Thigle, Dr. Pratibha S
6.	Neha mudaliar Kaiful shaikh Nitesh kanojia	Detection of Drug Resistant Organisms from natural water bodies.	Mrs. Prabha P. Dr. Sejal R.
7.	S.Y.B.Sc.-40 students	Study of microbial load of airflora from various places	Mrs. J.N.Israni
8.	S.Y.B.Sc-39	Winogradsky column :Study of zones using soil and water samples from Sanjay Gandhi National Park and cultivation of microbes.	Dr. Pratibha S
9.	S.Y.B.Sc- 40	Microbiological analysis of milk products	Mrs. J.N.Israni and Mrs. Rajitha S
10.	S.Y.B.Sc- 40	Study of organism causing food spoilage	Mrs. J.N.Israni, Dr. Pratibha S and Mrs. Rajitha S
11.	F.Y.B.Sc-53	Effect of Nitrogen fixers on sprouting of seeds and its growth	Mr. V Thigle, Mrs. Prabha P., Dr. Pratibha S, Mrs. Rajitha S

12.	F.Y.B.Sc-53	Testing of pH of various commercial soft drinks .	Mr. V Thigle, Mrs. Prabha P., Dr. Pratibha S, Mrs. Rajitha S
13.	Mayank Nagotra	Microbial Analysis of Orange Peel.	Mr. V. Thigle

Projects: 2017-18

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Aditee Ashar Runali Jagtap Diksha Sawant	A study on bacterial decolorization of azo dyes	Dr. Pratibha S
2.	Urvi Shah Akanksha Singh Sharmila Chaudhary	Screening of beta lactam resistant organisms from raw and drinking water sources	Mr. V. Thigle ,Dr. Pratibha S
3.	Shraddha Gore Minu Agrawal Janvi Shah	Study of drug resistant organisms from fomites	Dr. Sejal R
4.	Ankita Rathore Aishwarya Pande	Study of bacteria causing spoilage of dairy products	Mrs. Prabha P.
5.	Mandar Alekar, Sayali Daphale, Pratiksha Jadhav, Ali Syed, Sabah Vataoo, Gargi Mestry, Tanvi Rasal, Sonal Kalambe	Potability of water from various drinking outlets in college.	Dr. Sejal R
6.	Shaikh Uzma Imtiyaz, Sriram Gaurav , Shrestha Vaidehi Ram	Study of enzymatic activity, antimicrobial susceptibility and plasmid extraction of dye degrading organisms	Dr. Pratibha S
7.	Agrawal Aesha Ramkrishna, Nair Anagha Sankaranarayan Chavan Pratiksha Yashwant	Study of antioxidants and antimicrobials from plant source	Dr. Sejal R
8.	Chonkar Purva Prasad, Devkate Radhika Umesh, Jain Siddhi Mukesh,	Antimicrobial resistant organisms in Milk and Milk Products	Mr. V. Thigle
9.	Parekh Parita Bhaveshbhai, Saini Neha Omprakash	Detection Determination and confirmation of Coliforms, Faecal coliforms and Ecoli in Foods and Beverages	Dr. Pratibha S

10.	Kharat Jagruti, Shah Vraj Bhavin, Hatkar Shrawani Vithal, Thakur Khushi Kirti, Farooqui Naureen, Banu Sadiya, Chaurasia Aman Akhilesh, Gaziani Shahida Abdul Kader	Analysis of pH of beverages	Mrs. Rajitha S and Amina D
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Projects: 2018-19

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Shaikh Uzma Imtiyaz, Sriram Gaurav , Shrestha Vaidehi Ram	Study of enzymatic activity, antimicrobial susceptibility and plasmid extraction of dye degrading organisms	Dr. Pratibha S
2.	Agrawal Aesha Ramkrishna, Nair Anagha Sankaranarayan Chavan Pratiksha Yashwant	Study of antioxidants and antimicrobials from plant source	Dr. Sejal R
3.	Chonkar Purva Prasad, Devkate Radhika Umesh, Jain Siddhi Mukesh,	Isolation of coliphages from sewage sample and its application as biocontrol agent in food industry	Mr. V. Thigle, Mrs. Rajitha Satish
4.	S.Y.B.Sc.(41 students)	Study of Extremophiles	Dr. Pratibha Shah, Mrs. Rajitha Satish
5.	F.Y.B.Sc. (56 students)	Analysis of pH of beverages	Mrs Rajitha S and Ms. Priyanka Y
6.	F.Y.B.Sc. (56 students)	Biofertilizers	Mrs Rajitha S and Ms. Priyanka Y

Projects: 2018-19(Ongoing)

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Chaurasia Jay Krupashankar, Kalani Mohit Rajesh, Kadam Chaitanya Sanjay, Ranjika Bhattacharya (Microbiology+Biotechn ology)	Biodegradation of plastic by microorganism isolated from soil.(Interdepartmental)	Dr. Sejal Rathod, Dr. Pratibha Shah, Ms.Sufiya Ansari (Microbiology+Biote chnology)

2.	Jain Netra Nitesh, Shaikh Anas, Vohra Falaknaaz Mohammed	Syntheses of pomegranate peel extract mediated silver nanoparticles and study of its antibacterial activity.	Dr. Sejal Rathod
3.	Chouhan Tanisha Bharat, Gaziani Shahida Abdul Kader	Investigation of extrapolscharide produced by microorganisms in extreme environments and its significance.	Dr. Pratibha Shah
4.	Elangikal Janice Wilfred	Effect of Motility on Biofilm formation of bacteria belonging to <i>Bacillus</i> , <i>Proteus</i> , <i>Pseudomonas</i> and <i>Salmonella</i> species and its subsequent effect on Antibiotics.	Dr. Pratibha Shah, Mrs. Rajitha Satish
5.	Kiran Yadav	Microbial assessment of raw rice of different brands in prevalence to <i>B.cereus</i> .	Dr. Sejal Rathod, Ms. Amina D
6.	Kothari Gitika Sanjay	Study of antibacterial activity of Averrhoabilimbi on skin pathogens.	Dr. SejalRathod, Mrs. Rajitha Satish

Department: Statistics

Projects: 2016-17			
Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Shaba Parpia, Rohit Haldar	Factors associated with consumption of alcohol and hookah smoking among the youth of Mumbai, A cohort study.	Mrs. Shailaja Rane , Dr. Anupama Harshal, Ms. Anushi Jain (Statistics+Biotech)
2.	Madhu Kumari, Rutuja Walavalkar, Madiha Shaikh	Prevalence of Polycystic Ovarian Syndrome among women in Mumbai and its association with working hours	Mrs. Shailaja Rane , Dr. Anupama Harshal, Ms. Nandini Desai (Statistics+Biotech)
3.	Jadhav deepika, Jhaveri prachi, Sanchita Ahluwalia	A qualitative assessment of breast cancer awareness in an urban indian city	Mrs. Shailaja Rane , Dr. Anupama Harshal (Statistics+Biotech)

Projects: 2017-18

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Gourav Tiwari, Md. Mishbahuddin, Saad Qadri	Assessment of factors influencing fuel consumption of car(s)	Dr. Asha Jindal
2.	Amey Dixit , Aman Shrivastava	To analyse and estimate non performing assets of banks	Mrs. Shailaja Rane
3.	Tanya Sharma, Yahya Sait	Impact of imports and exports of goods on GDP	Dr. S. B. Muley
4.	Soham Wani	Metrological and climatological forecasting for Agriculatural production	Mrs. Shailaja Rane
5.	Jimit Jain, Karani Hardik, Sen Milankumar	Sentiment Analysis of Twitter data.	Dr. Asha Jindal

Projects: 2018-19

Sr No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Rishikesh Golhar, Prasheel Nair	Estimation of blood count	Dr. Asha Jindal
2.	Abhay Deshpande	Case Study on Statistical Assessment of Selection of Candidate for a Post	Dr. Asha Jindal
3.	Sumeeta Dwivedi,Zaiba Sayyad, Krina Parmar	Case control study and Analysis of breast cancer, lung cancer and Oral cancer and its prevention.	Mrs. Shailaja Rane
4.	Divya Sristav, Dhara Sankhla and Anam Fatima Shaikh	#10 year challenge	Mrs. Pratiksha Kadam

Projects: 2018-19(Ongoing)

Sr. No.	Name of the students	Title of the project	Name of Guiding Teacher
1.	Tandon Satvik Sunil Rathod Alpesh Mukesh Shukla Jitesh Kamlesh	Rising Insurance sector in India	Mrs.Shailaja.Rane
2.	Gaurav Jadhav Prashant Shetty Chinmay Shankar Fagniya Chelsi Sanjay Potdar Sharvari Shrikant	Market risk and Its measures	Mrs. Shailaja.Rane

3.	Jain Siddhi Kishor Shah Simran Kaushik Morakia Shanvi Vora Janvi Vikas	Digital business	Dr. S.B.Muley
4.	Sharma Nakul Shishapal Parmar Rishabh Manoj Karle Sudhanshu Nilesh	Wealth distribution	Dr. S.B.Muley

B. INDUSTRIAL VISITS

Department: Biotechnology

2016-17		
Sr. No.	No.of Students	Place
1.	T.Y.B.Sc (35)	Visit to Pastonji Ice Creams
2.	S.Y.B.Sc (20)	Common effluent treatment plant visit
3.	T.Y.B.Sc (24)	Narsee Monji Institute of Management Studies Open day
4.	T.Y.B.Sc (10)	Advanced Center for Treatment Research and Education in Cancer Open day

2017-18		
Sr. No.	No.of Students	Place
1.	F.Y.B.Sc, S.Y.B.Sc and T.Y.B.Sc (50)	National Agri-Food Biotechnology Institute, Chandigarh
2.	F.Y.B.Sc, S.Y.B.Sc and T.Y.B.Sc (50)	Standard dairy, Amritsar
3.	F.Y.B.Sc, S.Y.B.Sc and T.Y.B.Sc (50)	Verka Ghee Mandi, Amritsar
4.	F.Y.B.Sc, S.Y.B.Sc and T.Y.B.Sc (50)	Horticulture Produce Marketing & Processing Corporation food processing plant parwanoo, Chandigarh
5.	S.Y.B.Sc. (26)	Visit to Common effluent treatment plant, Dombivli

2018-19		
Sr. No.	No.of Students	Place
1.	T.Y.B.Sc (33)	National Institute of Research in Reproductive Health, Parel, Mumbai
2.	F.Y.B.Sc., S.Y.B.Sc. & T.Y.B.Sc. (75)	Vintage Wines Pvt. Ltd, Nashik, Maharashtra
3.	F.Y.B.Sc., S.Y.B.Sc. & T.Y.B.Sc. (75)	Red Grapes, Wine Information Centre, Nashik, Maharashtra

4.	F.Y.B.Sc., S.Y.B.Sc. & T.Y.B.Sc. (75)	National Horticultural Research And Development Foundation, Nashik, Maharashtra
5.	F.Y.B.Sc., S.Y.B.Sc. & T.Y.B.Sc. (75)	York Winery, Nashik, Maharashtra

Department: Chemistry

2016-17		
Sr. No.	No.of Students	Place
Nil	Nil	Nil

2017-18		
Sr. No.	No.of Students	Place
1.	T.Y.B.Sc.(39)	Forensic labs, Kalina,Mumbai
2.	T.Y.B.Sc.(41)	Indian Institute of Technology, Bombay
3.	F.Y.B.Sc.(53)	Indian Institute of Technology,Bombay

2018-19		
Sr. No.	No.of Students	Place
1.	T.Y.B.Sc.(40)	Parle Products,Silvassa, Gujrat
2.	T.Y.B.Sc.(40)	Universal Cosmetics, Silvassa, Gujrat
3.	T.Y.B.Sc.(40)	Universal Pharmaceuticals, Silvassa, Gujrat
4.	T.Y.B.Sc.(40)	Adivasi Parichay Kendra, Silvassa, Gujrat
5.	T.Y.B.Sc.(40)	Dyeing Industry, Saki Naka, Mumbai
6.	F.Y.B.Sc.(110)	Dhruva Nuclear Reactor , Bhabha Atomic Research Centre, Mumbai
7.	F.Y.B.Sc.(110)	Supercomputer Lab Bhabha Atomic Research Centre, Mumbai
8.	F.Y.B.Sc.(110)	Centre for Food preservation using gamma radiations Bhabha Atomic Research Centre, Mumbai
9.	T.Y.B.Sc.(35)	Department of Atomic Energy, IYPT 2019 Bhabha Atomic Research Centre, Mumbai

Department: Life Sciences

2016-17		
Sr. No.	No.of Students	Place
1.	F.Y.B.Sc (50)	Around the University of Mumbai
2.	S.Y.BSc. (32)	Nature Trail at Sanjay Gandhi National Park

3.	T.Y.B.Sc Environmental Sciences (78)	Bhabha Atomic Research Centre, Mumbai
4.	Faculties –Inter Departmental (31)	“Faculty Skill Development” Rambhau Prabhodini Mhalgi, Uttan, Bhayender

2017-18

Sr. No.	No.of Students	Place
1.	S.Y.B.Sc Life Sciences(50)	Saguna Baug, Neral, Navi Mumbai
2.	T.Y.B.Sc Life Sciences(18)	C.B.Patel Research Institute, Vile Parle
3.	T.Y.B.Sc Life Sciences, Biotech & Microbiology(42)	Wildlife Photography Exhibition at Jehangir Art Gallery
4.	T.Y.B.Sc Life Sciences(18)	National Institute of Research in Reproductive Health and Haffkine's Institute

2018-19

Sr. No.	No.of Students	Place
1.	T.Y.B.Sc Environmental Sciences (53)	Exhibition on Plastic Ban organized by Municipal Corporation of Greater Mumbai at Nehru Science Centre, Worli, Mumbai.
2.	S.Y.B.Sc Life Sciences(50)	Chavan AgroFarms, Karjat, Raigad Maharashtra
3.	F.Y.B.Sc Botany(50)	Algae Collection at Banganga Lake, Mumbai
4.	F.Y.B.Sc Life Sciences, Botany & Zoology (102)	Colaba Fort, Alibaug, Raigad Maharashtra
5.	F.Y.B.Sc, S.Y.B.Sc & T.Y.B.Sc Life Sciences (28)	Tadoba Andhari Tiger Reserve, Nagpur, Maharashtra
6.	F.Y.B.Sc, S.Y.B.Sc & T.Y.B.Sc Life Sciences (28)	Anandvan, Varora
7.	Participants of BCME2050 (65)	Mangrove Walk at Godrej, Vikhroli, Mumbai
8.	F.Y.B.Sc Botany(50)	Friends of Trees Exhibition, Ruparel College, Mumbai

Department: Microbiology

2016-17

Sr. No.	No.of Students	Place
1.	S.Y.B.Sc (39)	Sanjay Gandhi National Park and Kanheri caves
2.	S.Y.B.Sc (30)	International Committee for Animal Recording (ICAR) Central Arid Zone Research Institute

		CAZRI
3.	S.Y.B.Sc (30)	Arid forest research institute (AFRI)
4.	S.Y.B.Sc (30)	Extension and education centre

2017-18

Sr. No.	No.of Students	Place
1.	S.Y.B.Sc(47)	Sanjay Gandhi National Park and Kanheri caves
2.	T.Y.B.Sc.(15)	CB Patel research institute, Vile Parle Mumbai
3.	Interdepartmental(37) T.Y.B.Sc ,S.Y.B.Sc, F.Y.B.Sc	Benchmark tea and chocolate factory, Ooty
4.	Interdepartmental(37) T.Y.B.Sc ,S.Y.B.Sc, F.Y.B.Sc	Pasteur Institute of India, Coonoor
5.	Interdepartmental(37) T.Y.B.Sc ,S.Y.B.Sc, F.Y.B.Sc	Sami Direct, nutraceutical and cosmeceutical company, Bangalore

2018-19

Sr. No.	No.of Students	Place
1.	T.Y.B.Sc. & S.Y.B.Sc.(56)	Karnala Bird Sanctuary, Panvel, Navi Mumbai
2.	T.Y.B.Sc.(29)	Glenmark Pharmaceuticals, R &D unit, Mahape, Mavi Mumbai
3.	T.Y.B.Sc. (15)	Advanced Centre for Treatment, Research and Education in Canceropen day, Navi Mumbai
4.	T.Y.B.Sc. and S.Y.B.Sc.(56)	National Center for Cell Sciences, Pune
5.	T.Y.B.Sc. and S.Y.B.Sc.(56)	Rhythm winery, Pune
6.	S.Y.B.Sc.(56)	Indian Women Scientist association Science Exhibition on 'Water Uses, Conservation and Future', Vashi, Navi Mumbai

Department: Statistics

2016-17

Sr. No.	No.of Students	Place
1.	S.Y.B.Sc.(21)	Nehru Science Centre , Mumbai

2017-18

Sr. No.	No.of Students	Place
1.	T.Y.B.Sc.(17)	Indian Statistical Institute and Gits Academy, Bangalore

2018-19		
Sr. No.	No.of Students	Place
1.	T.Y.B.Sc. and S.Y.B.Sc.(39)	Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, Dapoli, Maharashtra

C.SUMMER TRAINING

Department: Biotechnology

2016-17			
Sr. No.	No.of Students	Institute	Department
1.	F.Y.B.Sc(12)	Hands on Training in Biotechnological Techniques at Shreedhar Bhatt's Laboratory,Bengaluru	Biotechnology
2.	F.Y.B.Sc(01)	Breach Candy Hospital Trust	Biochemistry, Immunology and Microbiology

2017-18			
Sr. No.	No.of Students	Institute	Department
1.	F.Y.B.Sc(05)	Hands on Training in Biotechnological Techniques at Shreedhar Bhatt's Laboratory,Bengaluru	Biotechnology
2.	S.Y.B.Sc(27)	Anjali's Prime Diagnostix Health and Research Clinic, Grant road, Mumbai.	Pathology

2018-19			
Sr. No.	No.of Students	Institute	Department
1.	T.Y.B.Sc(02)	Shailesh Diagnostic Center,Mumbai-400003	Biochemistry
2.	S.Y.B.Sc(02)	Able Disabled All People Together (ADAPT), Navy Nagar, Mumbai	Non Governmental Organization

Department: Chemistry

2016-17			
Sr. No.	No.of Students	Institute	Department
Nil	Nil	Nil	Nil

2017-18			
Sr. No.	No.of Students	Institute	Department
Nil	Nil	Nil	Nil

2018-19			
Sr. No.	No.of Students	Institute	Department
Nil	(10)	K.C.College	Chemistry

Department: Life Sciences

2016-17			
Sr. No.	No.of Students	Institute	Department
1.	Huzeifa Porbanderwala,Daksha Bhurat,Priya Lohar,Pratik Shetye (04)	Shreedhar Bhatt's Laboratory, Bangalore	Biotechnology
2.	Jayesh Sawant	Saifee Hospital	Pathology

2017-18			
Sr. No.	No.of Students	Institute	Department
1.	Anuradha Ramesh (01)	Shreeramchandran Medical College and Research Institute, Chennai	Human Genetics

2018-19			
Sr. No.	No.of Students	Institute	Department
1.	Simran Chachad(01)	Parle Agro Industries, Vile Parle, Mumbai	Life Sciences
2.	Simran Chachad, Abhishek Gupta, Pratik Shetye, Reshmi Sagar(04)	Global Exhibition on Services held at Bombay Exhibition Centre organized by Dept of Biotechnology, Govt of India	Life Sciences
3.	Sukaina Abbas(01)	D.G.Ruparel College, Mumbai	Zoology

Department: Microbiology

2016-17			
Sr. No.	No.of Students	Institute	Department
1.	Priyanka Mantri , Bhakti Save(02)	Saifee Hospital	Internship (Histopathology, Microbiology, Immunology, Haematology, Bio- Chemistry Laboratories
2.	Mayank Nagotra, Neha Mudaliar (02)	Sunflower Diagnostic Centre	Internship(Medical Microbiology)
3.	Ankita Rathore (01)	IMC, Churchgate	Workshop- Countering Substance Abuse

2017-18			
Sr. No.	No.of Students	Institute	Department
1.	Uzma Shaikh (01)	Yusuf Meherally Centre, Panvel	Personality Development Camp, MESCO
2.	Munira Kaba(01)	Saifee Hospital	Internship (Microbiology)

2018-19			
Sr. No.	No.of Students	Institute	Department
1.	(02)	Sanjeevani Laboratories, Mumbai	Internship in Clinical Pathology, Serology, Hematology and Biochemistry
2.	(01)	Nanawati hospital, Mumbai	Internship in Clinical Pathology, Serology, Hematology and Biochemistry
3.	(03)	Disha life sciences lab, Ahmedabad	Short term course in Advance

			Enzymology
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Department: Statistics

2016-17			
Sr. No.	No.of Students	Institute	Department
Nil	Nil	Nil	Nil

2017-18			
Sr. No.	No.of Students	Institute	Department
Nil	Nil	Nil	Nil

2018-19			
Sr. No.	No.of Students	Institute	Department
Nil	(14)	K.C.College	Statistics

8.Training received by faculty from participating departments:

Department: Biotechnology

2016-17			
Sr. No.	Name of Faculty	Trainings	Resource Persons
Nil	Nil	Nil	Nil

2017-18			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Ms. Sharon K., Ms. Anushi Divan and Ms. Nandini Desai	Workshop on Applied Bioinformatics at National institute of research in reproductive health, Mumbai on 12-13th July 2017	Dr. SusanThomas

2018-19			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr. Sejal Rathod, Ms Sufiya Ansari Ms Hajra AS Gupta	ICT Enabled Research tools and Techniques	Mr.Abhijit Gole, Coordinator, M. Sc. Computer Science, Ruia College, Mumbai

2.	Dr. Sejal Rathod, Ms Hajra AS Gupta, Ms Sufiya Ansari, Ms. Richa Shah	Operation and Calibration of automated liquid handling instruments and dispensers	Mr Imran Shaikh , Microlit, Executive, Lucknow, Uttar Pradesh
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Department: Chemistry

2016-17			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr. Sushil Puniyani Mr karun Sodah Dr. Satish kolte Dr. Yogita Shinde Dr. Charulata Chaturvedi Dr. Aniket Kundu	Time management Plagiarism	Dr. Manjula Nichani Dr..Vivian Amonkar
2.	Dr. Sushil Puniyani Dr. Hemlata Bagla Dr. Sheela Valecha Dr. Sunetra Chaudhari Mr Karun Sodah Dr. Satish Kolte Dr. Rajesh Samant Dr. Yogita Shinde Dr. Charulata Chaturvedi Mrs Mridula Gupta Dr. Aniket Kundu	Safety in laboratories	Dr. Prabodh Chobe

2017-18			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr. Hemlata Bagla Dr. Sheela Valecha Dr. Sunetra Chaudhari Mr Karun Sodah Dr. Satish Kolte Dr. Rajesh Samant Dr. Yogita Shinde Dr. Charulata Chaturvedi Mrs Mridula Gupta Dr. Aniket Kundu	Recent trends in Diagnostic tools using radiopharmacology	Dr. Sudipta C, Dr. Ashutosh D,Dr. Gopal C, Dr Rohit S

2018-19			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr. Hemlata Bagla	Mass Spectrometry and IR :	Dr. Rajesh Vatsa

	Dr. Sheela Valecha Dr. Sunetra Chaudhari Mr Karun Sodah Dr. Satish Kolte Dr. Rajesh Samant Dr. Yogita Shinde Dr. Charulata Chaturvedi Mrs Mridula Gupta	Basic theory of the techniques Demonstration of working of the instrument Exercise on interpretation of the spectra	Dr. Sandeep Nigam Dr. Nataraju Vogirala
2.	Dr. Sheela Valecha Dr. Sunetra Chaudhari Mr Karun Sodah Dr. Satish Kolte Dr. Rajesh Samant Dr. Yogita Shinde Dr. Charulata Chaturvedi Mrs Mridula Gupta	Safety Measures in CPR	Dr.Vivek Mehta
3.	Dr. Sheela Valecha Dr. Sunetra Chaudhari Mr Karun Sodah Dr. Satish Kolte Dr. Rajesh Samant Dr. Yogita Shinde Dr. Charulata Chaturvedi Mrs Mridula Gupta	Safety in laboratories	Dr.Prabodh Chaube

Department: Life Sciences

2016-17			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr..Sagarika Damle, Dr.Teashree Shanbhag, Dr.Sonal Dasani Dr.Shalini Rai, Dr.Archana Thite, Dr.Aashu Vajpai, Dr.Suvarna Sharma	Workshop on “Safety Awareness in Science Laboratories” at K.C.College	Mr.Prabodh Chobe,
2.	Dr.Sagarika Damle, Dr.Teashree Shanbhag, Dr.Sonal Dasani Dr.Shalini Rai, Dr.Archana Thite, Dr.Aashu Vajpai, Dr.Suvarna Sharma	Three day Workshop entitled “Statistics for Biologists” at K.C. College	Dr.Welling, Mr Pratap Jadhav, Ms Sujata Suvarnapatki, Mr. N.R.Hegde
3.	Dr.Sagarika Damle, Dr.Teashree Shanbhag,	One Day Workshop entitled “Chlamydomonas reinhardtii-	Dr.Jacinta D’Souza

	Dr.Sonal Dasani Dr.Shalini Rai, Dr.Archana Thite, Dr.Aashu Vajpai, Dr.Suvarna Sharma	The How,Now and Wow” at K.C.College	
4.	Dr.Sagarika Damle, Dr.Teashree Shanbhag, Dr.Sonal Dasani Dr.Shalini Rai, Dr.Archana Thite, Dr.Aashu Vajpai	One Day Training program entitled “Skill Development for Trainers” at Rambhau Mhalgi Prabodhini, Uttan,Keshav Srushti	Dr.Manjula Nichani, Dr.Vivian Amonkar Mr.Shyam Parkhe

2017-18

Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr.Sagarika Damle, Dr.Teashree Shanbhag, Dr.Sonal Dasani Dr.Shalini Rai, Dr.Archana Thite, Dr.Aashu Vajpai, Dr.Suvarna Sharma	Workshop on Applied Bioinformatics at National institute of research in reproductive health, Mumbai on 12-13th July 2017	Dr.Susan Thomas
2.	Dr.Sagarika Damle, Dr.Teashree Shanbhag, Dr.Sonal Dasani Dr.Shalini Rai, Dr.Archana Thite, Dr.Aashu Vajpai, Dr.Suvarna Sharma	Drosophila Culturing	Dr.Champakali Ayub

2018-19

Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr.Sagarika Damle, Dr.Shalini Rai, Dr.Archana Thite, Dr.(Ms.)Aashu Vajpai, Dr.Suvarna Sharma	Hands On Training on ICT Enabled Tools for Mentors	Mr.Abhijit Gole, Coordinator, M. Sc. Computer Science, Ruia College, Mumbai
2.	Dr.AashuVajpai	Hands On Training Workshop on Innovative Experiments in Biological Experiments	Ramnarain Ruia(Autonomous) College in Association with Homi Bhabha Science Centre for Education, Mumbai

3.	Dr.Suvarna Sharma	Synthetic Biology	Institute of Chemical Technology,Matunga, Mumbai
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Department: Microbiology

2016-17			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr. Sejal Rathod	Workshop on “Safety Awareness in Science Laboratories” at K.C.College	Dr. Prabodh Chobe
2.	Dr. Sejal Rathod Dr. Pratibha Shah Rajitha Satish	Three day Workshop entitled “Statistics for Biologists” at KC College	Dr.M.N.Welling, Mr. Pratap Jadhav, Ms. Sujata Suvarnapatki, Mr N.R.Hegde
3.	Rajitha Satish	One Day Training program entitled “Skill Development for Trainers” at Rambhau Mhalgi Prabodhini, Uttan,Keshav Srushti	Dr.Manjula Nichani, Dr.Vivian Amonkar Mr.Shyam Parkhe

2017-18			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr. Sejal Rathod Dr. Pratibha Shah Ms. Rajitha Satish Ms. Amina D	Training for UV Visible Spectrophotometer at K.C College	Mrs.Asha Salunkhe Mr.Hemant Bioera India
2.	Dr. Sejal Rathod Dr. Pratibha Shah Ms. Rajitha Satish Ms. Amina D	Workshop for PCR at KC College	Mrs.Asha Salunkhe Mr.Hemant Bioera India
3.	Dr. Sejal Rathod Dr. Pratibha Shah Ms. Rajitha Satish Ms. Amina D	Workshop on Applied bioinformatics at National institute of research in reproductive health, Mumbai	Dr Susan Thomas
4.	Dr. Sejal Rathod Dr. Pratibha Shah Ms. Amina D	Workshop on HPTLC at Anchrom enterprise, Mulund	Ms.Saikat Mallik
5.	Ms. Amina D	Biochemical Sciences and Diagnostic tools, at KC college.	Dr. Sudipta C, Dr. Ashutosh D,Gopal C, Dr Rohit S

2018-19			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr. Sejal Rathod Dr. Pratibha Shah	ICT Enabled Research tools and Techniques	Abhijit Gole, Coordinator, M. Sc. Computer Science, Ruia College, Mumbai
2.	Dr. Sejal Rathod Dr. Pratibha Shah Ms. Rajitha Satish	Mass Spectrometry and IR : Basic theory of the techniques Demonstration of working of the instrument Exercise on interpretation of the spectra	Dr. Rajesh Vatsa Dr. Sandeep Nigam Dr. Nataraju Vogirala

Department: Statistics

2016-17			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Mr. Rajendra Chavhan	One Day Training program entitled “Skill Development for Trainers” at Rambhau Mhalgi Prabodhini, Uttan, Keshav Srushti	Dr. Manjula Nichani, Dr. Vivian Amonkar Mr. Shyam Parkhe
2.	Dr. Asha Jindal, Mrs. Shailaja Rane, Mrs. Pratiksha Kadam, Dr. S. B. Muley. Mr. Rajendra Chavhan Dr. Bhagat Gayval	Training on “Analysing and Visualising data with Excel”	Dr. Faiyaz Gadiwala, Prof. N. R. Hegde, Mrs. Jayshree Shetty
3.	Dr. Asha Jindal, Mrs. Shailaja Rane, Mrs. Pratiksha Kadam, Dr. S. B. Muley. Mr. Rajendra Chavhan Dr. Bhagat Gayval	Training on “Analysing and Visualising data with R”	Dr. Sreelekshmy S, Dr. Vivek Belhekar, Prof. Prashant Shah

2017-18			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr. Asha Jindal,	Big data Analytics and Time	Mr. Mukesh Jain, Chief

	Mrs. Shailaja Rane, Dr. S. B. Muley.	Series Modelling using Excel and R	Technical officer, VFS Global, Mumbai
2.	Dr. Asha Jindal, Mrs. ShailajaRane, Mrs. PratikshaKadam, Dr. S. B. Muley. Dr. Rajendra Chavhan Dr. Bhagat Gayval	Advanced Big-data analytics using R	Prof. Dr. Suresh Sharma, Dept. of Statistics, Panjab University, Chandigadh

2018-19			
Sr. No.	Name of Faculty	Trainings	Resource Persons
1.	Dr. Asha Jindal, Mrs. ShailajaRane, Mrs. PratikshaKadam, Dr. S. B. Muley. Dr. Rajendra Chavhan Mr. ShubhamNiphadkar	Training on “Analysing and Visualising data with Python software	Ms Ria Dhwan, Research Executive, Nielsen India, Mumbai
2.	Ms.Pratiksha Kadam	Faculty Development Program cum Workshop for Mathematics & Statistics Teachers	Dr. Aparna Joshi, TROP ICSU & Indian Institute of Science Education & Research, Pune
3.	Ms. Shailaja Rane	ICT Enabled Research tools and Techniques	Mr.Abhijit Gole, Coordinator, M. Sc. Computer Science, Ramnarain Ruia College (Autonomous), Mumbai

9. List of exhibitions/seminars/training courses conducted by the college:

A. Exhibitions:

Department: Biotechnology

Year 2016-17		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Inspirus 2017	T.Y.B.Sc, S.Y.B.Sc and F.Y.B.Sc (90)
2.	Bio-legacy 2016	T.Y.B.Sc and F.Y.B.Sc. (58)

Year 2017-18		
Sr.No.	Title	Class and No. of Beneficiaries
1.	KC Biotechnology Open day	Junior college students from Prabhavati Padamshi Soni International Junior College, Juhu, Ville Parle (W), Mumbai

		and Biotechnology and Microbiology students of K.C College.(63)
2.	Inspirus 2018	S.Y.B.Sc and F.Y.B.Sc (73)
3.	Bio-legacy 2017	T.Y.B.Sc and F.Y.B.Sc. (55)

Year 2018-19		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Inspirus 2018	S.Y.B.Sc and F.Y.B.Sc (45)
2.	Lecture and Exhibition on Bhabha Atomic Research Centre, Mumbai. Technologies	T.Y.B.Sc, S.Y.B.Sc and F.Y.B.Sc (50)

Department: Chemistry

Year 2016-17		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Model exhibits on “Global Warming” under Chemvision	T.Y.B.Sc, S.Y.B.Sc and F.Y.B.Sc 130

Year 2017-18		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Model Exhibits on “ Drug Abuse” under Chemvision	T.Y.B.Sc, S.Y.B.Sc and F.Y.B.Sc 265

Year 2018-19		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Model Exhibits on “Nanotechnology” under Chemvision	T.Y.B.Sc, S.Y.B.Sc and F.Y.B.Sc 285

Department: Life Sciences

Year 2016-17		
Sr.No.	Title	Class and No. of Beneficiaries
Nil	Nil	Nil

Year 2017-18		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Slogans for Cleanliness Drive	S.Y.B.Sc and T.Y.B.Sc Life Sciences(68)
2.	Energy Conservation	F.Y.B.Sc Life Sciences (70)
3.	Herbal Products	F.Y.B.Sc Botany (60)
4.	Understanding our Ecosystems	F.Y.B.Sc Life Sciences (70)

Festival:Sci-Code #18**(Intercollegiate Interdisciplinary Science Festival):****Name of the event: 'Bioethnica' (25th September 2018)**

Sr.No.	Events	No. of Participants
1.	Healthy Salads	48
2.	Bio beauty(Bio Jewelry)	37
3.	Nature Photography	12

Year 2018-19		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Herbal Products – 2019	F.Y.B.Sc (50)
2.	Awareness about diseases	S.Y.B.Sc (50)
3.	Introduction to Cell Organelles	F.Y.B.Sc (50)
4.	Understanding Ecosystems- 2019	F.Y.B.Sc (50)

Department: Microbiology

Year 2016-17		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Microfiesta	Degree, Junior college ,Diploma Teachers ,School students (322)

Year 2017-18		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Microfiesta 2	Degree , Junior college ,Diploma Teachers, Other college degree students, Post graduates Alumni Parents, School students from Mumbai schools and Saphale.(625)

Year 2018-19		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Microfiesta.3 (Sci-code # 18)	290 116 school students from four different schools, 41 junior college students and 99 degree college students, as well as teachers and

		parents.
2	Lecture and Exhibition on Bhabha Atomic Research Centre, Mumbai. Technologies in Collaboration with Bhabha Atomic Research Centre, Mumbai.	Students- 114 Teachers- 15 Latest technologies at Bhabha Atomic Research Centre, Mumbai. were exhibited and discussed with the students. Also career opportunities at Bhabha Atomic Research Centre, Mumbai. were discussed.

Department: Statistics

Year 2016-17		
Sr.No.	Title	Class and No. of Beneficiaries
Nil	Nil	Nil

Year 2017-18		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Interdisciplinary National level Big Data Analytics Championship- Day 2	UG, PG and teachers- 150 Participants

Year 2018-19		
Sr.No.	Title	Class and No. of Beneficiaries
1.	Interdisciplinary State level Data Analytics Championship- Day 2	All three years of U.G. – 24 teams i.e. 48 Students

B.Seminars/Invited Talks/Extension Activities:

Department: Biotechnology

Year 2016-17			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Guidance to entrance exams	T.Y.B.Sc. Semester I Biotechnology students (30)	Ms.Amruta Nailk M.Sc. Student selected at NCBS
2.	Applications of TLC & HPTLC	F.Y.B.Sc. Sem I, S.Y.B.Sc. Sem III & T.Y.B.Sc. SemV students of Biotechnology, Microbiology, Life Sciences and Chemistry. (52)	Mr.Nishant Gosawi Application chemist Anchrom Labs
3.	Alumni connect	T.Y.B.Sc. Semester VI Biotechnology students. (30)	Mr. Nikhil Velingkar Ph.D. scholar University of Cleveland, USA
4.	Study of Chromatin	F.Y.B.Sc. Sem II, S.Y.B.Sc. Sem	Dr. Bhavana

	Immunoprecipitation	IV & T.Y.B.Sc. SemVI students of Biotechnology, Microbiology, Life Sciences and Chemistry. (40)	Muralidharan Wellcome DBT Early Career Research Fellow Tata Institute of Fundamental Research, Mumbai
5.	Entrepreneurship in the field of Science	F.Y.B.Sc. Sem II, S.Y.B.Sc. Sem IV & T.Y.B.Sc. SemVI students of Biotechnology, Microbiology, Life Sciences and Chemistry. (50)	Mr. Avnish Pandya Co-founder & Director, R&D, Bombay Hemp Company
6.	Intellectual Property Rights in India	F.Y.B.Sc. Sem II, S.Y.B.Sc. Sem IV and T.Y.B.Sc. SemVI students of Biotechnology, Microbiology and Life Sciences.(45)	Ms. Pallavi Kharkar Proprieter, IPRAM

Year 2017-18			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Seminar on Advanced Microbial Technology For Environmental Biotechnology	F.Y.B.Sc, S.Y.B.Sc, T.Y.B.Sc Biotechnology and T.Y.B.Sc Microbiology (80)	Dr. Ganesh Kamath, Organica Biotech
2.	Seminar on Bioterrorism	F.Y.B.Sc, S.Y.B.Sc, T.Y.B.Sc (84)	Lt. Jaydev
3.	Seminar on ADHD for school students	School students (60)	Ms. Veena Kumar
4.	Movie screening: Ek Doctor Ki Maut	T.Y.B.Sc (50)	-
5.	Sci-Tech Screening-A collection of TEDx talks on Biotechnology and its applied sciences	F.Y.B.Sc (37)	-

Year 2018-19			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Seminar on Assisted Reproductive	F.Y.B.Sc, S.Y.B.Sc, T.Y.B.Sc Biotechnology(100)	Dr. Jatin Shah

	Technique		Infertility Specialist and Gynecologist Mumbai Infertility Clinic & IVF Centre
2.	National Seminar on Recent Advances in Diagnostics	Inter collegiate- Faculty, Delegates and Students (111)	D r. Surekha Zingde Former Dy. Director, Cancer Research Institute, Advanced Centre for Treatment, Research and Education in Cancer, Kharghar Dr. Devarshi Gajjar Professor, Maharaja Sayajirao University, Baroda Dr. Varadharajan Sundaramurthy Faculty Researcher, National Centre for Biological Sciences (NCBS), Bengaluru
3.	Session on Mindfulness	Teaching Staff (10) Non Teaching Staff (07) Students (50) Total (67)	Former- HOD, Department of Microbiology, K.C. College Faculty for Art of Living Organization since 2002

Department: Chemistry

Year 2016-17			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Awareness of infectious diseases	S.Y.B.Sc. (45)	Dr. Meera Ramaiyyah, Haffkine's Institute
2.	Talk on Preparation of Solution	S.Y.B.Sc. (65)	Dr.Sudheer Lingayat G N Khalsa College

3.	Safety Awareness in Science laboratories	Faculty (22) Nonteaching staff (30) T.Y.B.Sc. (40)	Dr. Prabodh Chobe, Director, Yashwatrao Chavan Maharashtra Open University
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<i>Year 2017-18</i>			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Preparation of solution	S.Y.B.Sc. (75)	Dr.Sudheer Lingayat

Invited Talks:

<i>Year 2018-19</i>			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Molecular Symmetry	T.Y.B.Sc.(45)	Dr. Suresh Pawar Associate professor , Department of Chemistry, University of Mumbai
2.	Fundamentals of Quantum Chemistry	T.Y.B.Sc.(45)	Dr.Purav Badani Assistant Professor, Department of Chemistry, University of Mumbai
3.	Wonders of Nanotechnology	T.Y.B.Sc.(45)	Dr. Madhavi Thakurdesai, Head, Department of Physics, Birla College, Kalyan, Maharashtra
4.	Career progression after B.Sc.	T.Y.B.Sc.(45)	Mr. Jayesh Tamhankar, Director, ChemSpark Vidyavihar (West), Mumbai
5.	NMR Spectroscopy	T.Y.B.Sc.(45)	Ms.Mayuri Gandhi, Technical Scientific officer, Sophisticated Analytical Instrument Facility, Indian Institute of Technology, Bombay.
6.	Green chemistry	T.Y.B.Sc.(45); S.Y.B.Sc.(60)	Dr. B. M. Bhanage, Professor, Matunga, Mumbai.
7.	Preparation of solution	S.Y.B.Sc.(90)	Dr. Sudheer Lingayat, Associate Professor, Department of Chemistry,

			G.N.Khalsa College, Mumbai.
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Extension Activities:

Sr. No.	Name of the Event	Activities Conducted	Types of beneficiaries	No. of beneficiaries
1.	Chemistry for School students	Use of Chemical dyes Distillation Flame tests for metals Study of pH Solvent Extraction	School students from surrounding area	(180)
2.	Chem vision	Quiz Poster making It's a matter of one minute Name Game Chem Housie	UG and PG students from various colleges of Mumbai	(140) Total teams 38 23 from other colleges and 15 from K.C.College
3.	Safety in laboratory and CPR	Safety methods CPR was demonstrated and staff was trained for the same	Non teaching staff from different departments of the college	(40)
4.	Mass Spectrometry and IR	Basic theory of the techniques Demonstration of working of the instrument Exercise on interpretation of the spectra	Students and teaching staff members from different science departments. Students from different colleges in Mumbai	(65)

Department: Life Sciences

<i>Year 2016-17</i>			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Research Methodology in Survey Based Research	S.Y.B.Sc. and T.Y.B.Sc. (70)	Dr. Vivek Patkar; (Independent Researcher)
2.	Career guidance in Life Sciences	F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc. (150)	Dr. Yasmin Khan Vice Principal, Sophia College
3.	EduLink	S.Y.B.Sc. (49)	Mr. Shubham Singh

			Tanwar
4.	On-Line educational resources	S.Y.B.Sc. (45)	Ms. Harini Calamur
5.	Scientific Poster Presentation	S.Y.B.Sc. (25)	Ms. Amruta Kothare

Year 2017-18			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Microtome Handling	S.Y.B.Sc. (50)	Dr.Kshitij Satardekar, Head,Animal Tissue Culture Unit,Scientific Reseach Centre, K.E.T's V.G.Vaze College, Mulund
2.	Urban Biodiversity	F.Y.B.Sc. (60)	Dr.Neelima Kulkarni, Vice Chairman,Mulund Vibhag,Hariyali NGO
3.	Edu Link	S.Y.B.Sc. ,T.Y.B.Sc. LifeSciences(50)	Dr.SudhaSavant,Post Doc Fellow,Indiana university
4.	DAAD Information and Scholarship	S.Y.B.Sc.,T.Y.B.Sc. LifeSciences;other Biologicals Sciences (80)	Mr.Jubin Shah,Indian Ambassador for Higher studies and DAAD Information in Germany
5.	Phylogenetic Analysis	S.Y.B.Sc. LifeSciences(50)	Mr.Sandeepan Mukherjee,Scientific Officer,Dept of Virology,Haffkine's Institute
6.	Finance	T.Y.B.Sc. Environmental Sciences (72)	Mr.Kailash Chandak,Associate Professor,Dept of Commerce,K.C.College

National Conclave:

Two Day National level Biodiversity Conclave entitled 'My Earth 2050- Habitats for Sustainable Coexistence' (In collaboration with Godrej & Boyce Mfg.Co.Ltd.) held on 5th and 6th February, 2019.

Year 2018-19			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Need for Biodiversity	Student s Faculty	Dr. Saroj Barik, Director,

	Conservation	Members and Participants from Industry (97)	National Botanical Research Institute, Lucknow, Uttar Pradesh
2.	When we think of plants, we must not forget their pollinators		Dr. Renee Borges, Scientist, Indian Institute of Science, Bangalore
3.	Infrastructure projects and Biodiversity		Dr. Vivek Kulkarni, Consultant, Building Environment (India), Pvt. Ltd., Mumbai
4.	Legal framework for Biodiversity Management		Mr. Zaman Ali, Advocate, Mumbai High court
5.	Overview of Ecosystem Management and Restoration		Dr. Parvesh Pandya, Director, Science and conservation sanctuary, Nature Foundation, Mumbai.
6.	Mangrove, Ecosystem Management A Godrej Case Study		Mr. Laxmikant Deshpande, Manager, Wetland Management system, Godrej & Boyce Mfg.Co.Ltd., Mumbai
7.	Managing Maharashtra Nature Park		Mr. Avinash Kubal, Former Director, Maharashtra Nature Park, Dharavi, Mumbai
8.	Matheran: Charlotte Lake conservation and Development in forest ecosystem		Dr. Shruti Barve, In-charge Principal, Rizvi college of architecture, Mumbai
9.	CRZ: An overview of Rules and regulations		Dr. Savita Kerkar, H.O.D Biotechnology, Goa University, Goa.
10.	Mangrove Biodiversity and Ecosystem services		Dr. Niranjana Chavan, Prof. Shivaji University, Kolhapur, Maharashtra.
11.	Advancing conservation research through Geo-spatial technology		Dr. Nishith Dharaiya, Associate Professor, Patan, North Gujrat University, Gujrat
12.	Overview of Biodiversity and Ecosystem Research		Dr. C.S. Lattoo, Independent Researcher, Mumbai.

13.	Importance of Urban Biodiversity		Dr. Rahul Mungikar, Assistant Director, Bombay Natural History Society, Mumbai.
14.	Introduction to Mangroves		Mr. Hemant Karkhanis, Associate Manager, Wetland Management system, Godrej & Boyce Mfg.Co.Ltd., Mumbai.

Invited talks:

Sr. No.	Title	Type and No. of Beneficiaries	Resource Persons
1.	Nutrition for Adolescents	S.Y.B.Sc. and T.Y.B.Sc. Life Sciences (74)	Mrs.Anuradha Mitra, Assistant Professor Nirmala Niketan, Mumbai.
2.	Hands on Training in ICT enabled tools	Interdepartmental: Faculty Members of K.C.College(Aided and Unaided Section) (25)	Mr.Abhijit Gole, Assistant Professor Co-ordinator, Department of Computer Science
3.	Survey based Research Methodology	S.Y.B.Sc. Life Sciences(50)	Dr. Vivek Patkar, Independent Researcher
4.	Physiology of Behaviour in Birds	S.Y.B.Sc. and T.Y.B.Sc. Life Sciences (74)	Dr.Sasikumar Menon, Associate Professor, Department of Bio-analytical sciences, Ramnarain Ruia College Mumbai.
5.	Phylogenetic Tree Building	S.Y.B.Sc. Life Sciences (45)	Dr.Suruchi Jamkhedkar, Assistant Professor, University Department of Life Sciences, University of Mumbai
6.	Budget se Bachat	Non Teaching Staff of K.C.College(11); T.Y.B.Sc. Life Sciences (18)	Mr. Jatin Agrawal Chartered Accountant & Founder, JNS & Associates LLP, Mumbai.
7.	Avenues in Cell Biology	F.Y.B.Sc.; S.Y.B.Sc.& T.Y.B.Sc. Life Sciences, T.Y.B.Sc. Biotechnology, Microbiology(65)	Prof. Jeremy Simpson Vice-Principal, International University college of Dublin, Ireland.

8.	Edu Link	S.Y.B.Sc. and T.Y.B.Sc. Life Sciences (70)	Mr. Romil Dagha Techno Commercial Executive, Imago and Getter, Mumbai.
9.	Finance	T.Y.B.Sc. (53)	Mr. Kailash Chandak, Associate Professor, Department of Commerce K.C.College, Churchgate, Mumbai.
10.	Hydroponics- Art and Science of Cultivating Soil Less Plants	F.Y.B.Sc.& S.Y.B.Sc. (73)	Mr. Chandan Das Chief executive Officer, Greenban Fresh Pvt.Ltd. Mumbai.
11.	Data Analysis	S.Y.B.Sc. (50)	Mr. N.R. Hegde, Associate Professor, Department of Statistics, S.I.E.S college, Mumbai.

Extension Activity:

Sr. No.	Title	Resource Persons	Date	School	Class	No. Of Beneficiaries
1.	Introduction to Foldscope for School students: Demonstration and Hands-on Training in Foldscope handling and specimen visualization	Dr. Anupama Harshal ;Student Volunteers: Niharika Gupta,	27.7.18	SL&SS Girls High School	8 th Standard	35
2.		Dr. Anupama Harshal ;Student Volunteers: Vipul Vanani, Ayesha Siddique, Jasmine John, Vikas Gurudu	31.7.18	Wilson School	10 th Standard	47
3.		Dr. Anupama Harshal; Student Volunteers: Bhakti Tari and Manasi Prabhu	24.9.18	Vanita Vishram High School	4 th Standard	55
4.		Dr. Anupama Harshal; Student Volunteers: Poonam Gupta and Misab Khan	25.9.18	Queen Mary Girls High School	10 th Standard	48
5.		Dr. Anupama Harshal & Mr. Atul Kotian; Student Volunteers: Vikas Gurudu and	30.11.18- 2.12.18	Apoorva Vigyan Mela, Nagpur	5 th Standard to 12 th Standard	100

		Manasi Prabhu			d	
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Department: Microbiology

Seminars & Invited talks

Year 2016-17			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Career guidance lecture	S.Y.B.Sc (39)	Swarup Shah, Scientist Hinduja Officer, swarup_17@yahoo.com
2.	Career guidance lecture	T.Y.B.Sc (27)	Bhargavi Rane, University of Maine USA, Student of Masters Programme
3.	Trypanosomes and Plasmodium lecture	T.Y.B.Sc(27),F.Y.B.Sc (53)	Himesh Rupda, Senior Microbiology Technician, humeshrupda94@gmail.com
4.	Lecture: DNA fingerprinting and its application in human health	Interdepartmental (76)	Dr.Anu Ghosh Scientific officer 'G' Bhabha Atomic Research Centre, Mumbai., (anugh@barc.gov.in)

Year 2017-18			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Electron Microscopy and Immunohistochemistry	Interdepartmental (04)	Dr Sharada Sawant, Scientific officer Advanced Centre for Treatment, Research and Education in Cancer, Kharghar
2.	Towards A Cleaner Tomorrow	Electron Microscopy and Immunohistochemistry	Dr Sukhendu Ghosh , Bhabha Atomic Research Centre, Mumbai. Scientific Officer 'G'
3.	Radiation for food security and safety, In Collaboration with Indian Women Scientist Association, Vashi	Interdepartmental (102)	Dr. Archana Joshi Saha, Bhabha Atomic Research Centre, Mumbai., Scientific Officer 'E'

Year 2018-19			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Patent Law and Careers	41 – TYBSC Interdepartmental	Mr. Janaksinh Jhala Senior Associate, Intellectual Property (IP) Law, Khaitan & Co. Mumbai.
2.	Microjourney	Departmental 64 (TYBSC and SYBSC students)	Dr Sejal Rathod ,Dr Pratibha Shah, Rajitha S and Amina D (In-house Faculty, K.C. College)
3.	National Seminar- Recent advances in Diagnostics Intercollegiate- Faculty, Delegates and students- 111		Dr Surekha Zingde ,Former Dy. Director, Cancer Research Institute, Advanced Centre for Treatment, Research and Education in Cancer, Kharghar
			Dr. Mrs Devarshi Gajjar Professor, Maharaja Sayajirao University, Baroda
			Dr Varadharajan Sundaramurthy, Faculty Researcher, National Centre for Biological Sciences (NCBS), Bengaluru

Department: Statistics

Seminars:

Year 2016-17			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
Nil	Nil	Nil	Nil

Year 2017-18			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons

		Beneficiaries	
1.	Application of Statistics (National Statistics Day Celebration)	Interdepartmental, S.Y.B.Sc., T.Y.B.Sc (63)	Prasant Kumar Nair, Associate Director, Nielsen India Dr. Mahendra Mahagoankar, Chief consultant, Business India International, Mumbai

Year 2018-19			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Application of Statistics (National Statistics Day Celebration)	Intercollegiate, S.Y.B.Sc., T.Y.B.Sc (69)	Dr. Jitendra Chaudhari Joint Director Mr. Satyavinayak Mule Deputy Director, Directorate of Economics and Statistics, Govt. of India
2.	State Level Workshop on Typesetting in LaTeX and presentation using Beamer	Research Scholars and Teachers	Dr. Subhash Kendre Associate Professor, Savitribai Phule University, Pune Dr. Bhowmick Assistant Professor, Institute of Chemical Technology, Mumbai Dr. V.V.Acharya, Professor, Fergusson College, Pune

Invited Talks

Year 2016-17			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
Nil	Nil	Nil	Nil

Year 2017-18

Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Academic Opportunities at Kent University in Actuarial Science	T.Y.B.Sc., F.Y.B.Sc. (40)	Dr. Nick Wood, Fellow of Actuarial Science, Director of Innovation and Enterprise and senior Professor of Actuarial Science
2.	An introduction to hypnosis and its effect on day to day life	F.Y.B.Sc. (44)	Mr. Nitin Shah, Trainee, Institute of clinical hypnosis and related Science

Year 2018-19			
Sr.No.	Title	Class and No. of Beneficiaries	Resource Persons
1.	Demo Lecture on STATcraft	T.Y.B.Sc., S.Y.B.Sc. S.Y.B.A. (57)	Mr. Shubham Das & Mr. Manjunath M.C. Manager, STATcraft, Bangalore,
2.	Talk & Documentary Screening on Recycling of Multi Layered Plastic	T. Y. B. Sc., F. Y. B. Sc. (60)	Kanupriya Pawar, Safai Bank Co-ordinator, WWF- India, Maharashtra State
3.	Analysis of data using spread sheets	Students of Jigyasa science honors program	Shailaja Rane Assistant Professor, K.C. College
4.	Guidance Lecture on M.Sc. Entrance IIT JAM	F.Y.B.Sc. (23) S.Y.B.Sc. (42)	Mr. Shubham Niphadkar Assistant Professor, K.C. College

Extension Activity:

2016-17			
Sr. No	Name of the Activity	Type of Beneficiaries	Resource person
Nil	Nil	Nil	Nil

2017-18			
Sr. No	Name of the	Type of	Resource person

	Activity	Beneficiaries	
1.	Celebration of National Statistics Day- Statistical Crossword and Statistical Housie		Dr. Asha Jindal, Associate Professor and Head Mrs. Shailaja Rane, Assistant Professor Mrs. Pratiksha Kadam, Assistant Professor Dr. S. B. Muley, Assistant Professor Dr. Rajendra Chavhan, Assistant Professor Dr. Bhagat Gyval (In-house Faculty) Department of Statistics, K.C.College, Churchgate, Mumbai-20
2.	Publication and Distribution of Analyzing and Visualising Big Data with R Software- A practical Manual is generated with ISBN No. 978-93-80788-71-5.	100+ printed books and Unlimited soft copies are continuously distributed.	Mr. Mukesh Jain, CTO, VFS Global, Mumbai Dr. Suresh Sharma, Professor, Dept. of Statistics, Panjab University, Chandigarh Prof. Prashant Shah, Associate Professor, Department of Statistics. , K.J Somaiya College of Commerce and Science, Vidyavihar, Mumbai Dr. Santosh Gite, Head, Dept. of Statistics, Mumbai University Pravesh Tiwari, Sr. Analyst, Accenture, Mumbai, Dr. Asha Jindal, Associate Professor and Head Mrs. Shailaja Rane, Assistant Professor Mrs. Pratiksha Kadam, Assistant Professor Dr. S. B. Muley, Assistant Professor Dr. Rajendra Chavhan, Assistant Professor Dr. Bhagat Gyval 12) two group Projects of students (In-house Faculty and students) Department of Statistics, K.C.College, Churchgate, Mumbai-20

2018-19			
Sr. No	Name of the Activity	Type of Beneficiaries	Resource person

1.	Celebration of National Statistics Day- Statistical Crossword and Statistical Housie	Intercollegiate(69)	Dr. Asha Jindal, Associate Professor and Head Mrs. Shailaja Rane, Assistant Professor Mrs. Pratiksha Kadam, Assistant Professor Dr. S. B. Muley, Assistant Professor Dr. Rajendra Chavhan, Assistant Professor (In-house Faculty) Department of Statistics, K.C.College, Churchgate, Mumbai-20
2.	Understanding Data generation in the field of Weather forecasting.	Students (39) Teachers (03)	Prof. Raju Mahadik Department of Agronomics Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, Dapholi, Ratnagiri, Maharashtra.
3.	Understanding Data analysis in the field of agriculture.	Students (39) Teachers (03)	Prof. Dr. Janardan S. Dhekale Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, Dapholi, Ratnagiri, Maharashtra.
4.	Unnat Bharat Abhiyan Survey, at Saphale.	Students (20)	Dr. Satish Kolte, Dr. S.B. Muley and Mr. Shubham Niphadkar (In-house Faculty, K.C. College)
5.	Open Stage	Students (14)	--
6.	Intercollegiate Rangoli	Students (24)	--
7.	Publication of K. C. Environmental Committee magazine- Titled "Environmental Space"	All students and Teachers.	(In-house Faculty, K.C. College)

C.Trainings /Workshops conducted:

Department: Biotechnology

Year : 2016-17			
Sr.No.	Title	Type and No. of Beneficiaries	Resource Persons
1.	Isolation and identification of routinely used Lab cultures	Teaching Staff (03)	Ms. Anushi Divan
2.	Hands on workshop on UV visible spectrophotometer and PCR	Teaching Staff (15)	Ms.Asha Salunkhe, Mr. Hemant,Bioera Team

Year 2017-18		
Sr.No.	Type and No. Of Beneficiaries	Resource Persons
1.	InterCollegiate - Teaching Staff (30)	Mr.Saikat Mallik, Anchrom

Year 2018-19			
Sr. No.	Title	Type and No.of Beneficiaries	Resource Persons
Nil	Nil	Nil	Nil

Department: Chemistry

Year : 2016-17			
Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	Training inMass Spectrometry	T.Y.B.Sc and M.Sc. Students and faculty (112)	Dr. K Vatsa , Bhabha Atomic Research Centre, Mumbai.

Year : 2017-18			
Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	Demonstration of flame photometer	S.Y.B.Sc.(40)	Dr. Rajesh Samant
2.	Demonstration of spectrophotometer	F.Y.B.Sc. (41)	Dr. Sunetra Chaudhari
3.	ChemVision	F.Y.B.Sc. S.Y.B.Sc., T.Y.B.Sc. (92)	Mr. K.K .Sharma Mr. Ramlal Moorjani
4.	National conference on Biomedical Science	T.Y.B.Sc. ,M.Sc.Students (60) Teachers	

Year : 2018-19			
Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	Calibration of burettes	T.Y.B.Sc. (40)	Dr Rajesh Samant (In-house faculty, K.C.College)
2.	Calibration of thermometers	T.Y.B.Sc. (40)	Dr Charulata Chaturvedi (In-house faculty, K.C.College)
3.	Calibration of Standard flasks	T.Y.B.Sc. (40)	Dr Rajesh Samant (In-house faculty, K.C.College)
4.	Analysis of milk Separation of milk protein Estimation of casein Comparative study of different milk brands	S.Y.B.Sc. (110) (6 batches)	Dr Yogita Shinde Ms Mridula Gupta Ms Samina Lambe (In-house faculty, K.C.College)
5.	Acid value of oil Aldehyde content of oil Saponification value of oil Unsap value of oil Comparative study of different oil brands available in market	S.Y.B.Sc. (6 batches)(110)	Dr Yogita Shinde Ms Mridula Gupta Ms Samina Lambe (In-house faculty, K.C.College)
6.	Study of potable water parametres Estimation of acidity of water Hardness of water Comparative study of hardness of different water samples obtained from different sources in the college	F.Y.B.Sc.. (110)	Dr. S Chaudhari Mr. K Sodah Dr. C Chaturvedi Mrs. M Gupta Ms. Uzma Shaikh (In-house faculty, K.C.College)
7.	Determination of Viscosity	F.Y.B.Sc. (100)	
8.	Separation of dyes	F.Y.B.Sc. (105)	
9.	Separation of indicators by TLC 80: 20 acetone ethanol Separation of indicators by TLC 80: 20 acetone ethanol Separation of indicators by TLC 80: 20 acetone ethanol	T.Y.B.Sc. (38)	Dr .Sheela Valecha Dr C Chaturvedi (In-house faculty, K.C.College)
10.	Study of effect of different mordants Study of dyeing process	T.Y.B.Sc. (40)	Dr. Sheela Valecha Dr. C Chaturvedi (In-house faculty, K.C.College)

Department: Life Sciences

Year : 2016-17			
Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	Workshop on PAGE	S.Y.B.Sc. (45)	Ms.Yogita Narvekar, (Manager,Techno Source)
2.	Three Day Workshop on “Statistics for Biologists”	Intercollegiate – Faculties,Research Scholars and Students from different college(100)	Dr.M.N. Welling, Ms. Sandra Mendis, Ms.Sujata, Dr.N.R.Hegde, Mr. Pratap Jadhav
3.	One Day Workshop on “Chlamydomonas Culturing”	Faculty and T.Y.B.Sc. Students(32)	Dr. Jacinta D’Souza, Ms. Marylin, Mr. Venkat G
4.	Skill Development at RMP	Intercollegiate – Faculties across various colleges(31)	Dr.Manjula Nichani, Dr.Vivian Amonkar Mr. Parkhe

Year : 2017-18			
Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	Applied Bioinformatics	Intercollegiate	Dr.Susan Thomas
2.	Drosophila Culturing	Faculty and T.Y.B.Sc. Students(25)	Dr.Champakali Ayub
3.	Basic Instrument Handling and Troubleshooting	Interdepartmental - Non Teaching Staff and S.Y.B.Sc.and T.Y.B.Sc. students(32)	Mr.Prajyot Nikam
4.	First Aid	F.Y.B.Sc. Zoology and S.Y.B.Sc. LifeSciences Students(80)	Dr.Salman Qureshi and Dr.Talha Bhura
5.	Column Chromatography	F.Y.B.Sc. Zoology and S.Y.B.Sc. LifeSciences Students(80)	Mr.Vinal Pardhi

6.	Organic Farming	F.Y.B.Sc. Botany Students (50)	Mr.Prakash Kokal
7.	Bionivid	F.Y.B.Sc. and S.Y.B.Sc. Students(50)	Mr.Hitesh Goswami

Year : 2018-19

Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	One day Workshop on Bio autography Techniques on HPTLC	S.Y.B.Sc. (10) T.Y.B.Sc.(02)	National Facility for Bio Pharmaceuticals, Khalsa College, Mumbai.
2.	Three Day Hands On Training in Animal Cell Culture	T.Y.B.Sc.(24)	Dr. Shiney Peter, P.G.Dept of Biotechnology, St.Xavier's College(Autonomous), Mumbai
3.	Half Day Hands On Training in Phylogenetic Tree Building	S.Y.B.Sc. (46)	Dr. Suruchi Jamkhedkar, University Department of Life Sciences, University of Mumbai
4.	Hands on Training in Effective Presentation Skills	S.Y.B.Sc (46)	Mrs. Vimala Rani, Dept of Computer Sciences K.C.College, Mumbai.

Department: Microbiology

Year : 2016-17

Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	Basic training program in computers"	Non-Teaching staff of Departments of Microbiology, Biotechnology,	Mrs. Shalini Maheshgaori Asst Prof,K.C. college.

		Chemistry, Life Sciences(09)	
2.	Workshop: Analysis and Development of student's research attitude	T.Y.B.Sc students Interdepartmental (60)	Dr. Sejal Rathod Asst Prof,K.C. college. (sejgit@gmail.com)
3.	Workshop: Character strengths – an essential for ethical research	T.Y.B.Sc students. Interdepartmental (67)	Dr. Gauri Hardikar Asso Prof, K K College of Education, Mumbai. (gaurihardikar@gmail.com)

Year : 2017-18

Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	Hands on Training Programme for UV-Vis spectrophotometer	Teaching staff of Departments of Microbiology, Biotechnology, Chemistry, Life Sciences and other colleges (15)	Ms. Asha Salunkhe Mr.Hemant Bioera India ashas@bioera.com teamsupport@bioeraindia.com
2.	Basic training program for handling microscopes colorimeters and UV Visible spectrophotometer.	Non-Teaching staff of Departments of Microbiology, Biotechnology, Chemistry, Life Sciences (13)	Ms.Asha Salunkhe Mr.Hemant, Bioera India Mr.V. Thigle teamsupport@bioeraindia.com ashas@bioera.com
3.	Analysis of character strengths	T.Y.B.Sc (30) students	Dr. Sejal Rathod Asst Prof,K.C. College. (sejgit@gmail.com)

Year : 2018-19

Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	Workshop Character Strengths- Analysis in an Experiential way	Departmental T.Y.B.Sc.(29)	Mr. Viren Parmar (Facilitator, Neways Academy) and Dr .Sejal Rathod (In-house Faculty, K.C. College)
2.	Workshop	T.Y.B.Sc.(29)	Mr. Vijay Thigle

	Holistic development- International Yoga day celebration		(In-house Faculty, K.C. College)
3.	Training Understanding the measures	Departmental S.Y.B.Sc.(24)	Dr. Pratibha Shah, Rajitha S and Amina D (In-house Faculty, K.C. College)
4.	Teachers training: Operation and Calibration of automated liquid handling instruments and dispensers	Interdepartmental – (10)	Mr. Imran Shaikh, Microlit India, Lucknow, Uttar Pradesh.

Department: Statistics

Year : 2016-17			
Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	Training on “Analysing and Visualising data with Excel”	Interdepartmental (78)	Dr. Faiyaz Gadiwala, (Former head, Department of Computer, Mathematics and Statistics, K.P.B. Hinduja, College Mumbai)
2.	Training on “Analysing and Visualising Data with Excel”	Interdepartmental (68)	Prof. N. R. Hegde , Associate Professor, Department of Statistics, S.I.E.S. College of Arts and Science, Sion, Mumbai)
3.	Training on “analysing and Visualising data with R”	F. Y. B. Sc (45)	Dr. S. B .Muley and Rajendra Chavhan, Assistant Professors, K.C. College, Mumbai
4.	Training on “analysing and Visualising data with R Software”	S. Y. B. Sc. and T.Y.B.Sc (78)	Sreelekshmy S, Assistant Professor, Department of Statistics, Government Victoria College, Palakkad
5.	Training on “analysing and Visualising data with R Software”	Interdepartmental S. Y. B. Sc. And T.Y.B.Sc (40)	Dr.Vivek Belhekar, Assistant Professor, Department of Psychology , University of Mumbai, Vidya Nagari, Mumbai.
6.	Training on “analysing and Visualising data with R Software”	Interdepartmental F. Y. B. Sc and F.Y.B.A. (50)	Prof. Prashant Shah, Associate Professor, Department of Statistics, K.J Somaiya College of Commerce and Science, Vidyavihar, Mumbai
7.	Training on “Analysing and Visualising Data with Excel”	F. Y. B. Sc (37)	Mrs Jayshree Shetty, Vice principal &. head, Department of Computer, Mathematics and

			Statistics, K.P.B. Hinduja, College Mumbai
8.	Training on Correlation, Regression and Curve fitting	F.Y.B.Sc(36)	Dr. Asha Jindal, Associate Professor and Head, Department of Statistics, K.C.College, Mumbai

Year : 2017-18			
Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	Analyzing and Visualizing Data with R Software for beginners	F. Y. B. Sc (24)	Mr. Prashant Shah, Associate Professor, Department of Statistics. , K.J Somaiya College of Commerce and Science, Vidyavihar, Mumbai
2.	Big data Analytics and Time Series Modelling using Excel and R	F.Y.B.Sc, S.Y.B.Sc, T.Y.B.Sc (68)	Mr. Mukesh Jain, CTO, VFS Global, Mumbai
3.	National Big Data Analytics Championship (Analyzing and Visualizing Data with Ms- Excel and R Software)- Day 1	U.G., P.G. and Teachers(150)	Dr. Suresh Kumar Sharma, Professor ,Department of statistics and coordinator for center for systems Biology and Bio informatics, Panjab University,Chandigarh Department of Statistics Dr. R.L. Shinde, Director, School of Mathematical Science, Jalgaon University Dr. V. H. Bajaj, Former Professor and Head, Department of Statistics, BAMU, Aurangabad Dr. Mahendra Mahagaonkar, Chief consultant, Business India International, Mumbai Mr. Pravesh Tiwari, Data Analyst in Accenture Dr. (Mrs.) Anjum Ara M K Ahmad, Associate Professor, Department of Mathematics and Statistics. , Rizvi College of Commerce and Science, Bandra, Mumbai Mr. Prashant Shah, Associate Professor, Department of Statistics. , K.J. Somaiya College of

			<p>Commerce and Science, Vidyavihar, Mumbai</p> <p>Mrs Jayshree Shetty, Vice principal & head, Department of Computer, Mathematics and Statistics, K.P.B. Hinduja, College Mumbai</p> <p>Prof. N. R. Hegde, Trainee and Former Associate Professor, SIES College, Mumbai</p> <p>Dr. Sujata Suvarnapatki, Assistant Professor , Department of Statistics, Ruia College, Mumbai</p> <p>Dr. Asha Jindal, Associate Professor and Head, Department of Statistics, K.C.College, Churchgate, Mumbai- 20</p> <p>Mrs. Shailaja Rane, Assistant Professor, Department of Statistics, K.C.College, Churchgate, Mumbai-20</p> <p>Mrs. Pratiksha Kadam, Assistant Professor, Department of Statistics, K.C.College, Churchgate, Mumbai- 20</p> <p>Dr. S. B. Muley, Assistant Professor, Assistant Professor, Department of Statistics, K.C.College, Churchgate, Mumbai- 20</p> <p>Mr. Rajendra Chavhan, Assistant Professor, Department of Statistics, K.C.College, Churchgate, Mumbai- 20</p> <p>Dr. Bhagat Gayval, Assistant Professor, Department of Statistics, K.C.College, Churchgate, Mumbai- 20</p>
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Year : 2018-19

Sr.No.	Title	Type and No. Of Beneficiaries	Resource Persons
1.	Analyzing and Visualizing Data using Python	T. Y. B. Sc. Students and teachers of other colleges – 43	Ms. Ria Dhawan, Research Executive, Nielsen India, Mumbai.
2.	Interdisciplinary State level Data Analytics Championship (Analyzing and Visualizing Data with Ms- Excel, Python and R Software)- Day 1	U.G. – 24 teams	Dr. Asha Jindal, Associate Professor and Head Mrs. Pratiksha Kadam, Assistant Professor Dr. S. B. Muley, Assistant Professor Dr. Rajendra Chavhan, Assistant Professor Mr. Shubham Niphadkar Assistant Professor (In-house Faculty) Department of Statistics, K.C.College, Churchgate, Mumbai-20
3.	Time Series and Forecasting Models using R and MS Excel	F.Y.B.Sc.-32	Mr. Mukesh Jain, Chief Technological Officer, Capgemini

10. Name, designation, host institute of guest faculty invited:

Department: Biotechnology

Sr.No.	Name of the Guest Faculty	Designation	Name of the Host Institute
1.	Ms. Amruta Naik	M.Sc. Student	National Centre for Biological Sciences,Bangalore

2.	Nishant Gosawi	Application chemist	Anchrom Labs
3.	Mr. Nikhil Velingkar	Ph.D. scholar	University of Cleveland, USA
4.	Dr. Bhavana Muralidharan	Welcome DBT Early Career Research Fellow	Tata Institute of Fundamental Research
5.	Mr. Avnish Pandya	Co- founder & Director	Research and Development Unit, Bombay Hemp Company, Mumbai
6.	Ms. Pallavi Kharkar	Proprietor	Intellectual Property Service, Mumbai
7.	Dr. Ganesh Kamath	Managing Director	Organica Biotech
8.	Lt. Jaydev	Naval Officer	Indian Navy
9.	Dr. Veena Kumar	Assistant Professor	K.C. College, Mumbai
10.	Ms. Kruti Pandya	Assistant Professor	Jai Hind College, Mumbai
11.	Mrs. Prabha Padmanabha	Associate Professor	K.C. College, Mumbai
12.	Dr. Jatin Shah	Head Gynaecologist	Mumbai IVF and Fertility Centre
13.	Dr Kruti Pandya	Assistant Professor,	JaiHind College
14.	Dr. Rohan Gavankar	Coordinator	Viva College
15.	Dr. Surekha Zingde	Former Dy. Director	Cancer Research Institute, Advanced Centre for Treatment, Research and Education in Cancer, Kharghar,
16.	Dr. Devarshi Gajjar	Associate Professor	Maharaja Sayajirao University, Baroda, Gujrat.
17.	Dr. Varadharajan Sundaramurthy	Faculty Researcher	National Centre for Biological Sciences (NCBS), Bengaluru
18.	Mr Vijay B. Thigle	Former- HOD, Department of Microbiology, K.C. College Faculty for Art of Living	The Art of Living, Bengaluru

		Organization since 2002	
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Department: Chemistry

Sr.No.	Name Guest Faculty	Designation	Name of the Host Institute
1.	Dr. Meera Ramaiyyah	Ex-HOD, Dept of Zoonosis	Haffkine's Institute
2.	Dr. Rajesh Samant	Assistant professor	K.C.College
3.	Dr. Prabodh Chobe	Director	YashwantRao Chavan Maharashtra Open University
4.	Dr. Yogita Shinde	Assistant professor	K.C.College
5.	Dr.Sudheer Lingayat	Associate professor	G.N.Khalsa College
6.	Dr.R.K Vatsa	Senior Scientist	Bhabha Atomic Research Centre, Mumbai.
7.	Dr.Sudheer Lingayat	Associate professor	G.N.Khalsa College
8.	Mr.Aditya Pratap Singh	Research scholar	Indian Institute of Technology,Bombay
9.	Dr. A.V.R. Reddy	Senior Scientist	Bhabha Atomic Research Centre, Mumbai.
10.	Dr.A.K.Tyagi	Senior Scientist	Bhabha Atomic Research Centre, Mumbai.
11.	Dr.A.K.Srivastava	Retired Professor	University of Mumbai
12.	Dr.Sudipta Chakraborty	Head, Radiopharmaceuticals division	Bhabha Atomic Research Centre, Mumbai.
13.	Dr.Chaturvedi	Emergency medicine	KEM hospital
14.	Dr.Tapas Das	Head, Radiopharmaceuticals division	Bhabha Atomic Research Centre, Mumbai.
15.	Dr Suresh Pawar	Associate Professor	Department of Chemistry, University of Mumbai
16.	Dr Purav Badani	Assistant Professor	Department of Chemistry, University of Mumbai

17.	Dr Madhavi Thakurdesai	Associate Professor	Department of Physics, Birla College, Kalyan, Maharashtra.
18.	Mr Jayesh Tamhankar	Director	Chem spark, Vidyavihar (West), Mumbai
19.	Dr Mayuri Gandhi	Technical scientific officer	Sophisticated Analytical Instrument Facility, Indian Institute of Technology, Bombay
20.	Dr B.M. Bhanage	Senior Associate professor	Institute of Chemical Technology, Mumbai.
21.	Dr Sudheer Lingayat	Associate professor	G N Khalsa College, Mumbai.
22.	Dr Rajesh Vatsa	Head, Cluster chemistry section President, ISMAS President, ICS mumbai	Bhabha Atomic Research Centre, Mumbai.
23.	Dr Sandeep Nigam	Senior scientific officer, ISMAS	Bhabha Atomic Research Centre, Mumbai.
24.	Dr. Nataraju Vogirala	Senior scientific officer	Bhabha Atomic Research Centre, Mumbai.

Department: Life Sciences

Sr.No.	Name of the Guest Faculty	Designation	Name of the Host Institute
1.	Dr. Yasmin Khan	Vice Principal	Sophia College
2.	Dr. Vivek Patkar	Independent Researcher	-
3.	Prof. N. R. Hegde	Associate Professor	Department of Statistics, S.I.E.S. College of Arts and Science, Sion, Mumbai
4.	Dr. Welling	Dean	NMIMS, Vile Parle, Mumbai
5.	Dr. Pratap Jadhav	Assistant Professor	K.E.M Hospital, Parel, Mumbai
6.	Dr. Jacinta D'Souza	Associate Professor	UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai

7.	Dr. Sujata Suvarnapatki	Assistant Professor	Ramnarain Ruia College
8.	Ms. Yogita Narvekar	Manager	Techno Source
9.	Mr. Shubham Singh Tanwar	Research Scholar	University of Manitoba, Canada
10.	Ms. Harini Calamur	Press Reporter	Hindustan Times
11.	Dr. Susan Thomas	Scientist	National Institute of Research in Reproductive Health, Parel, Mumbai
12.	Dr. Neelima Kulkarni	Vice Chairman, Mulund Vibhag	Hariyali NGO
13.	Dr. Champakali Ayyub	Scientific officer	Tata Institute of Fundamental Research, Mumbai
14.	Dr. Sudha Savant	Post Doc Fellow	Indiana University, United States of America
15.	Mr. Jubin Shah	Indian Ambassador for Higher Studies and DAAD Information	University of Heidelberg, Germany
16.	Mr. Sandeepan Mukherjee	Scientific Officer	Department of Virology, Haffkine's Institute, Parel, Mumbai
17.	Mr. Kailash Chandak	Associate Professor	Department of Commerce, K.C. College
18.	Dr. Kshitij Satardekar	Head Of the Department	Animal Tissue Culture Lab, Scientific Research Centre , Ket's V.G. Vaze College, Mulund, Mumbai
19.	Mr. Vinal Pardhi	Instructor	Bioanalytical Sciences, National Facility for Biopharmaceuticals, G.N. Khalsa College, Mumbai
20.	Dr. Salman Qureshi	Chief Medical Officer	K.J. Somaiya Hospital, Sion, Mumbai
21.	Dr. Talha Bhura	Resident Medical Officer	K.J. Somaiya Hospital, Sion
22.	Mr. Prajyot Nikam	Manager	De Novo Tech, Thane
23.	Mr. Hitesh Goswami	CEO	Bionivid, Bangalore
24.	Mr. Prakash Kokal	Independent Researcher	-
25.	Mrs. Anuradha Mitra	Assistant Professor, Department	Nirmala Niketan, Mumbai.

		of Nutrition	
26.	Mr.Abhijit Gole	Assistant Professor,Department of Computer Sciences	Ramnarain Ruia College, Mumbai.
27.	Dr.Sasikumar Menon	Associate Professor,Department of Analytical Sciences	Ramnarain Ruia College(Autonomous),Matunga Mumbai
28.	Dr.Sudhir Dhuri	Associate Professor,Department of Botany	K.E.T's V.G.Vaze College,Mulund,Mumbai
29.	Dr.Tejas Lokhande	Proprietor	Swastayrang,Mumbai
30.	Mrs.Vaishali Bhatija	Nutritionist	Food Darzee,Mumbai
31.	Mrs.Supriya Sule	Retired Faculty,Department of Life Sciences	K.C.College, Churchgate, Mumbai
32.	Mrs.Yamini Tayal	Ex HOD,Department of Life Sciences	K.C.College, Churchgate, Mumbai
33.	Ms.Ankita Thite	SoftSkill Trainer	Free Lancer
34.	Dr.Shiney Peter	Assistant Professor,Post Graduate Department of Biotechnology	St.Xavier's College(Autonomous),Mumbai
35.	Dr.Suruchi Jamkhedkar	Assistant Professor, University Department of Life Sciences	University of Mumbai,Kalina Campus,Mumbai
36.	Mr.Jatin Agrawal	F.C.A & Founder	JNS & Associates LLP, Mumbai.
37.	Professor Jeremy Simpson	Vice Principal International	University College of Ireland,Dublin
38.	Dr.Sangita Godbole (As a Judge for Exhibition on Herbal Products)	Associate Professor,Department of Botany	Jai Hind College,Churchgate, Mumbai.
39.	Dr.Geetha Menon(As a Judge for RSM)	Associate Professor, Department of Botany	R.K.T College,Ulhasnagar, Mumbai.
40.	Dr.Shanti Upadhye (As a Judge for RSM)	Assistant Professor Department of Zoology	K.J.Somaiya College, Vidyavihar,Mumbai.
41.	Mr.Romil Dagha	Techno Commercial Executive	Imago and Getter, Mumbai.

42.	Mrs.Vimala Rani	Assistant Professor,Department of Computer Sciences	K.C.College, Churchgate, Mumbai.
43.	Mr.Chandan Das	CEO	Greenban Fresh Pvt.Ltd. Mumbai.

Department: Microbiology

Sr.No.	Name Guest Faculty	Designation	Name of the Host Institute
1.	Swarup Shah	Molecular Scientist and Officer	Hinduja Hospital and Research center,Mumbai
2.	Bhargavi Rane	Masters student	University of Maine US,
3.	Himesh Rupda	Senior Microbiology Technician	MM medical centre pvt. Ltd.,Mumbai
4.	Dr.Anu Ghosh	Scientific officer 'G'	Bhabha Atomic Research Committee, Mumbai.
5.	Dr Sharada Sawant	Scientific officer "E"	Cancer Research Institute, Advanced Centre for Treatment, Research and Education in Cancer, Kharghar,
6.	Dr Sukhendu Ghosh	Scientific Officer 'G'	Bhabha Atomic Research Committee, Mumbai.
7.	Dr. Archana Joshi	Scientific Officer "F"	Bhabha Atomic Research Committee, Mumbai.
8.	Mr.Janaksinh Jhala	Senior Associate, Intellectual Property (IP) Law,	Khaitan& Co,Mumbai
9.	Mr Viren Parmar	Facilitator, Experiential Education	Neways Academy,Mumbai
10.	Dr. Manju Phadke (as judge for Microfiesta)	Vice Principal, Associate professor, Department of Microbiology	SIES College, Sion west,Mumbai
11.	Dr.Aparna	Assistant Professor	Department of

	Talekar (as judge for Microfiesta)		Microbiology, Xavier's College, Mumbai.
12.	Dr. Surekha Zingde	Former Dy.Director	Cancer Research Institute, Advanced Centre for Treatment, Research and Education in Cancer, Kharghar,
13.	Dr. Devarshi Gajjar	Associate Professor	Maharaja Sayajirao University, Baroda
14.	Dr. Varadharajan Sundaramurthy	Faculty Researcher	National Centre for Biological Sciences (NCBS), Bengaluru

Department: Statistics

Sr.No.	Name Guest Faculty	Designation	Name of the Host Institute
1.	Prasant Kumar Nair	Associate Director	Nielsen India,Mumbai
2.	Dr. Mahendra Mahagaonkar	Chief consultant	Business India International, Mumbai
3.	Mr. Mukesh Jain	CTO	VFS Global, Mumbai
4.	Dr. Nick Wood	Fellow of Actuarial Science, Director of Innovation and Enterprise and senior Professor of Actuarial Science	Kent University, U.K.
5.	Mr. Nitin Shah	Trainee	Institute of clinical hypnosis and related Science, Mumbai
6.	Dr. M. A. Khan	CEO / Former Registrar,	Haj Committee , govt. of India / University of Mumbai, Mumbai
7.	Mr. Dinesh Panjwani	Secretary and Principal	H.S.N.C.Board and R. D. National College, Bandra ,Mumbai
8.	Dr. Suresh Kumar Sharma	Professor	Department of statistics and coordinator for center for systems Biology and Bio informatics, Punjab University, Chandigarh

9.	Dr. R.L. Shinde	Director	School of Mathematical Sciences, North Maharashtra University, Jalgaon
10.	Dr. V. H. Bajaj	Former Professor and Head	Department of Statistics, BabaSaheb Ambedkar Marathwad University, Aurangabad
11.	Dr. Santosh Gite	Associate Professor & Head	Department of statistics, University of Mumbai, Vidyavihar, Mumbai
12.	Dr. Faiyaz Gadiwala	Former head and Director	Department of Computer, Mathematics and Statistics, K.P.B. Hinduja, College And Brain Institute, Mumbai
13.	Dr. Sagarika Damle	Associate Professor & Head	Department of Life Sciences, K.C.College, Churchgate, Mumbai-20
14.	Mr. Pravesh Tiwari	Data Analyst	Accenture, Mumbai
15.	Dr. (Mrs.) Anjum Ara M K Ahmad	Associate Professor	Department of Mathematics and Statistics. , Rizvi College of Commerce and Science, Mumbai
16.	Prof. N. R. Hegde	Former Associate Professor and Trainee	Department of Statistics, S.I.E.S. College of Arts and Science, Sion, Mumbai
17.	Mr. Prashant Shah	Associate Professor & Head	Department of Statistics. , K.J. Somaiya College of Commerce and Science
18.	Mrs. Jayshree Shetty	Vice principal & Head	Department of Computer, Mathematics and Statistics
19.	Dr. Sujata Suvarnapathaki	Assistant Professor	Department of Statistics, Ruia College
20.	Sreelekshmy S	Assistant Professor	Department of Statistics, Government Victoria College, Palakkad
21.	Dr.Vivek Belhekar	Assistant Professor	Department of Psychology, University of Mumbai , Vidya Nagari, Mumbai
22.	Dr. Jitendra V.	Joint Director	Directorate of Economics

	Chaudhari		and Statistics, Govt. of India
23.	Mr.Satyavinayak Mule	Deputy Director	Directorate of Economics and Statistics, Govt. of India
24.	Prasant Kumar Nair	Associate Director	Nielsen India
25.	MsRia Dhawan	Research Executive	Nielsen India
26.	Dr. Santosh Gite	Associate Professor & Head	Department of statistics, University of Mumbai, Vidyavihar, Mumbai
27.	Dr. (Mrs.) Anjum Ara M K Ahmad	Associate Professor	Department of Mathematics and Statistics. , Rizvi College of Commerce and Science, Mumbai
28.	Mr. Prashant Shah	Associate Professor & Head	Department of Statistics. , K.J. Somaiya College of Commerce and Science, Vidya Vihar
29.	Mrs. Piyali Unnikrishanan	Associate Professor	Department of Statistics. , St. Xavier College, Mumbai
30.	Mr. Shubham Das and Mr. Manjunath M.C.	Project Managers	STATcraft, Bangalore
31.	Dr. Pooja Ramchandani	Vice principal	Department of commerce, H. R. College
32.	Dr. Tejas Lokhande	Trainer and Artist	Swasytharang
33.	Mr. Mukesh Jain	Chief Technological Officer	Capgemini
34.	Dr. Subhash Kendre,	Associate Professor,	Department of Mathematics, Savitribai Phule University, Pune
35.	Dr. Amiya Bhowmick	Assistant Professor	Department of Mathematics Institute of Chemical Technology,Mumbai
36.	Dr. V. V. Acharya	Associate Professor and Head	Department of Mathematics, Fergusson College, Pune

11. Date of Advisory committee meeting:

Sr.No.	Year	Date
1.	2016-17	March 23, 2017
2.	2017-18	April 27, 2018
3.	2018-19	March 12, 2019

12. List of New Practical /demonstrations introduced in different departments in last one year

Department: Biotechnology

2016-17		
Sr.No.	List of New Practical/Demonstrations	Class and No.of Beneficiaries
1.	Micro-pipette handling	S.Y.B.Sc(15)
2.	Separation of pigments by Column Chromatography	S.Y.B.Sc (26)
3.	Motility of Microbes	F.Y.B.Sc (30)
4.	Extraction of phytochemicals from medicinal plants	T.Y.B.Sc and S.Y.B.Sc (60)
5.	Bioluminescence	F.Y.B.Sc (30)
6.	Extraction of amylases from different sources	S.Y.B.Sc (26)
7.	Study of Fermentation (Effect of different raising agents)	F.Y.B.Sc (25)

Sr.No.	List of Extension Practical/Demonstrations	Class and No. of Beneficiaries
1.	Separation of lipids by TLC	S.Y.B.Sc (25)

2017-18		
Sr.No.	List of New Practical/Demonstrations	Class and No of Beneficiaries
1.	Inhibitory and microbicidal effect of dyes	S.Y.B.Sc (34)
2.	Effect of different hand cleansing agents on normal skin flora	T.Y.B.Sc (20)
3.	Extraction and estimation of Lycopene using liquid-liquid extraction	T.Y.B.Sc (20)
4.	Staining of metachromatic granules of different spore- bearing microorganisms	T.Y.B.Sc (24)
5.	Comparative study of Wine making by standard yeast culture and normal grape flora	S.Y.B.Sc (34)
6.	Model construction for cheaper alternatives of water purification	F.Y.B.Sc (37)
7.	To study SLO and SLS activity of <i>S.pyogenes</i>	F.Y.B.Sc and T.Y.B.Sc (46)

8.	Antibacterial activity of biologically and chemically synthesized Nanoparticles	S.Y.B.Sc (22)
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Sr.No.	List of Extension Practical/Demonstrations	Class and No. of Beneficiaries
1.	Sugar and salt tolerance of <i>S. aureus</i> and <i>E. coli</i>	S.Y.B.Sc (34)
2.	Hands-on preparation of Winogradsky's column	S.Y.B.Sc (34)

2018-19		
Sr. No.	List of Practical/Demonstrations(New)	Class and No.of Beneficiaries
1.	Journal Club	T.Y.B.Sc (34)
2.	Say no to Plagiarism-How to Develop Original content	T.Y.B.Sc (34)
3.	Use of MS Word	T.Y.B.Sc (29)
4.	Use of Power Point	T.Y.B.Sc (15)
5.	Designing a Research Poster	T.Y.B.Sc (15)
6.	Use of Referencing Software-Zotero	T.Y.B.Sc (20)
7.	Project Presentation	T.Y.B.Sc (34)
8.	Introduction to Thesis Writing	T.Y.B.Sc (23)
9.	Know your BMI	T.Y.B.Sc (30)
10.	Music Therapy	T.Y.B.Sc (30)
11.	Paint your Stress	T.Y.B.Sc (34)
12.	SOP Manual for Biotechnology Lab	T.Y.B.Sc (34)
13.	COSMOS-A Spacetime Odyssey-A National Geographic Series Screening	S.Y.B.Sc (35)
14.	My baby and it's genes- An Application of Mendelian Genetics	S.Y.B.Sc (10)
15.	Sudan Black Staining	T.Y.B.Sc (25)
16.	Radial Paper Chromatography	S.Y.B.Sc (23)
17.	Bioautography	T.Y.B.Sc (14)
18.	Spirochete Staining	S.Y.B.Sc (23)
19.	Metachromatic Staining	F.Y.B.Sc (34)
20.	Starch Granule Staining in Potato	T.Y.B.Sc (25)
21.	Study of Motility	F.Y.B.Sc (37)
22.	Effect of Osmotic Pressure on Growth of Bacteria	F.Y.B.Sc (32)
23.	Sauerkraut Fermentation	F.Y.B.Sc (37)
24.	Preparation of sauce	S.Y.B.Sc (14)
25.	Preparation of Jam	S.Y.B.Sc (24)
26.	Understanding the Concepts of Molarity, Normality and % Solution	S.Y.B.Sc (12)
27.	Replica Plating	T.Y.B.Sc (22)
28.	Extraction of Oil from Peanut	T.Y.B.Sc (20)
29.	Osazone test	F.Y.B.Sc (32)

30.	Isolation & Qualitative Estimation of Cholesterol and Lecithin from Egg Yolk	T.Y.B.Sc (22)
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2018-19		
Sr. No.	List of Practical/Demonstrations(Extension)	Class and No.of Beneficiaries
1.	Blood Grouping for Students	T.Y.B.Sc (30)
2.	Trypan blue staining for cell viability	T.Y.B.Sc (28)
3.	Fungal Staining by Lactophenol Cotton Blue	S.Y.B.Sc (21)
4.	Isolation of Lactic Acid Bacteria and Evaluation of Curd Quality	S.Y.B.Sc (26)
5.	Pentagonal Streaking	F.Y.B.Sc (29)
6.	Phenylalanine Deaminase Test	F.Y.B.Sc (32)
7.	Lysine Decarboxylase Test	F.Y.B.Sc (32)
8.	Oxidative Fermentative Test	F.Y.B.Sc (32)
9.	Phosphatase Activity (Qualitative)	T.Y.B.Sc (32)
10.	Preparation of Biofertilizer	T.Y.B.Sc (22)
11.	Testing of Adulterants in Food	T.Y.B.Sc (32)
12.	LC50 determination of pesticides and dyes using <i>Daphnia magna</i>	T.Y.B.Sc (30)

Department: Chemistry

2016-17		
Sr. No.	List of Practical/Demonstrations	Class and No.of Beneficiaries
1.	Calibration of glass apparatus	T.Y.B.Sc.(94)
2.	Standardisation of lead nitrate using complexometric titration	S.Y.B.Sc.(88)
3.	Isolation and estimation of Casein from different milk samples	S.Y.B.Sc.(105)
4.	Separation of plant pigments using paper chromatography	F.Y.B.Sc.(96)
5.	Estimation of hardness of water sample obtained from different locations	F.Y.B.Sc.(96)
6.	Standardisation of sodium thiosulphate using iodometry	F.Y.B.Sc.(75)
7.	SAP value of oil	S.Y.B.Sc.(95)
8.	Free acid in oil	S.YB.Sc.(84)

2017-18		
Sr. No.	List of New Practical/Demonstrations	Class and No.of Beneficiaries

1.	Calibration of Weighing Balance	T.Y.B.Sc.(45)
2.	Isolation and estimation of Casein from different milk samples	S.Y.B.Sc (90)
3.	Estimation of hardness of water sample obtained from different locations	F.Y.B.Sc (110)
4.	Viscosity	F.Y.B.Sc (41)
5.	Complexometric titration of Copper	F.Y.B.Sc (100)
6.	Calibration of Apparatus	T.Y.B.Sc.(45)

2018-19		
Sr. No.	List of Practical/Demonstrations(New)	Class and No.of Beneficiaries
1.	Calibration of burettes	T.Y.B.Sc.(40)
2.	Calibration of thermometers	T.Y.B.Sc.(40)
3.	Calibration of Standard flasks	T.Y.B.Sc.(40)
4.	Analysis of milk	S.Y.B.Sc. (110=6Batches)
5.	Separation of milk protein	S.Y.B.Sc. (110=6Batches)
6.	Estimation of casein	S.Y.B.Sc. (110=6Batches)
7.	Comparative study of different milk brands	S.Y.B.Sc. (110=6Batches)
8.	Acid value of oil	S.Y.B.Sc. (110=6Batches)
9.	Aldehyde content of oil	S.Y.B.Sc. (110=6Batches)
10.	Saponification value of oil	S.Y.B.Sc. (110=6Batches)
11.	Unsap value of oil	S.Y.B.Sc. (110=6Batches)
12.	Comparative study of different oil brands available in market	S.Y.B.Sc. (110=6Batches)
13.	Study of potable water parametres	F.Y.B.Sc.(110)
14.	Estimation of acidity of water	F.Y.B.Sc.(110)
15.	Hardness of water	F.Y.B.Sc.(110)
16.	Comparative study of hardness of different water samples obtained from different sources in the college	F.Y.B.Sc.(110)
17.	Determination of Viscosity	F.Y.B.Sc.(110)
18.	Separation of dyes	F.Y.B.Sc.(105)
19.	Separation of indicators by TLC 80: 20 acetone ethanol	T.Y.B.Sc.(38)
20.	Separation of indicators by TLC 50: 50 acetone ethanol	T.Y.B.Sc.(38)
21.	Separation of indicators by TLC 20: 80 acetone ethanol	T.Y.B.Sc.(38)
22.	Study of effect of different mordants	T.Y.B.Sc.(40)
23.	Study of dyeing process	T.Y.B.Sc.(40)

Department: Life Sciences

2016-17		
Sr. No.	List of Practical/Demonstrations	Class and No.of Beneficiaries
1.	Use of Micropipettes	S.Y.B.Sc(40)
2.	Aseptic Techniques	F.Y.B.Sc(60)
3.	Digital database	F.Y.B.Sc (50)

Sr.No.	List of Extension Practical/Demonstrations	Class and No. of Beneficiaries
1.	Microbial Techniques	T.Y.B.Sc (25)
2.	To study Ag-Ab interactions	T.Y.B.Sc (25)

2017-18		
Sr.No.	List of New Practical/Demonstrations	Class and No. of Beneficiaries
1.	Introduction to Animal Classification	F.Y.B.Sc Zoology(50)
2.	Herbal Product Formulation	F.Y.B.Sc Botany (60)
3.	Column Chromatography	F.Y.B.Sc Zoology (45)
4.	Enzyme Extraction and Purification	F.Y.B.Sc Zoology (45)
5.	Enzyme Entrapment	F.Y.B.Sc Zoology (45)
6.	Survey of Noise Pollution	T.Y.B.Sc Environmental Sciences (28)

Sr. No.	List of Extension Practical/Demonstrations	Class and No.of Beneficiaries
1.	Aseptic techniques	F.Y.B.Sc Life Sciences (50)
2.	Analysis of Ph of water samples from different sources- Churchgate station, Water cooler, Water Tanker Supply, Municipal Water, Tap water	T.Y.B.Sc Environmental Sciences (28)
3.	Assessment of quality of water –BOD, DO	T.Y.B.Sc Environmental Sciences (28)
4.	Assessment of quality of water –COD	T.Y.B.Sc Environmental Sciences (28)
5.	Introduction to Animal Classification	F.Y.B.Sc Zoology
6.	Use of Excel for Biostatistics	S.Y.B.Sc Students (50)
7.	To study the conductivity of water samples from different sources	T.Y.B.Sc Environmental Sciences (28)
8.	Herbal Product Formulation	F.Y.B.Sc Botany (60)
9.	Clay Modelling of different vertebrate brain models	S.Y.B.Sc Life Sciences Students (48)
10.	Column Chromatography	F.Y.B.Sc Zoology (45)

11.	Use of UV Spectrophotometer	T.Y.B.Sc Life Sciences (18)
12.	Enzyme Extraction and Purification	F.Y.B.Sc Zoology (45)
13.	Enzyme Entrapment	F.Y.B.Sc Zoology (45)
14.	Survey of Noise Pollution	T.Y.B.Sc Environmental Sciences (28)
15.	Study of Bioindicator Species	T.Y.B.Sc Environmental Sciences (28)

2018-19		
Sr. No.	List of Practical/Demonstrations(New)	Class and No.of Beneficiaries
1.	Preparation of Slides – Fresh water Algae	F.Y.B.Sc Botany (50)
2.	Terrarium Making	F.Y.B.Sc Botany (50)
3.	Poster presentation on current environmental issues	F.Y.B.Sc Botany (50)
4.	Formulation of Herbal Products	F.Y.B.Sc Life Sciences (50)
5.	Identification of marine flora and fauna of Colaba Fort, Alibaug Coast	F.Y.B.Sc Life Sciences (50)
6.	Classification of Animals	F.Y.B.Sc Zoology (60)
7.	Chromatographic Analysis of Pulses	F.Y.B.Sc Zoology (60)
8.	Identification of Birds from local area	F.Y.B.Sc Zoology (60)
9.	Poster presentation on current environmental issues	F.Y.B.Sc Zoology (60)
10.	Multalin Sequence Alignment	S.Y.B.Sc Life Sciences (50)
11.	Making of Foldscope for observation of plant and animal specimens	S.Y.B.Sc Life Sciences (50)
12.	Preparation of Nutrient Media with plant based ingredients	T.Y.B.Sc Life Sciences (24)

2018-19		
Sr. No.	List of Practical/Demonstrations(Extension)	Class and No.of Beneficiaries
1.	Aseptic Techniques	F.Y.B.Sc Life Sciences (60)
2.	Staining of Micro organisms from different sources	F.Y.B.Sc Life Sciences (60)
3.	Preparation of Hay Infusion	F.Y.B.Sc Life Sciences (60)
4.	Detection of Succinate Dehydrogenase Enzyme Activity from Plant sources	F.Y.B.Sc Life Sciences (60)
5.	Testing of pH of different commercial fruit juices samples	F.Y.B.Sc. Zoology (55)
6.	Testing of Adulterants in Different Commercial samples of Ghee, Butter, Jaggery and Cheese	F.Y.B.Sc. Zoology (55)
	Calculation of BMI and screening of obesity prevalence in F.Y.B.Sc, S.Y.B.Sc and T.Y.B.Sc	F.Y.B.Sc. Zoology (55)

	Life Sciences Students	
7.	Study of Floral Morphology	S.Y.B.Sc Life Sciences (50)
8.	Preparation of chemicals for Inorganic Phosphate	S.Y.B.Sc Life Sciences (50)
9.	Estimation of cholesterol from country egg	S.Y.B.Sc Life Sciences (50)
10.	Comparison of Cholesterol content of Dalda, Coconut Oil and Castor Oil	S.Y.B.Sc Life Sciences (50)
11.	Clay Modeling of Brain	S.Y.B.Sc Life Sciences (50)
12.	Lipid Extraction from different sources – Peanuts, Castor, Coconut	S.Y.B.Sc Life Sciences (50)
13.	Foldscope - Model making & Preparation of Temporary Mounts for Observation	S.Y.B.Sc Life Sciences (50)
14.	Study and Presentation of different instruments: AGE, PAGE, HPTLC, HPLC, Column Chromatography AND Gas Chromatography	S.Y.B.Sc Life Sciences (50)
15.	Phylogenetic Analysis using different softwares	S.Y.B.Sc Life Sciences (50)
16.	Estimation of Hardness using different water samples	S.Y.B.Sc Life Sciences (50)
17.	Estimation of Dissolved Oxygen using different water samples	T.Y.B.Sc. Environmental Sciences (53)
18.	Determination of Turbidity using different water samples	T.Y.B.Sc. Environmental Sciences (53)
19.	Determination of conductivity using different water samples	T.Y.B.Sc. Environmental Sciences (53)
20.	Gram Staining of different organisms from different water samples	T.Y.B.Sc. Environmental Sciences (53)
21.	Studying the pH of different Soil Samples	T.Y.B.Sc. Environmental Sciences (53)
22.	Study of Dosimeter	T.Y.B.Sc. Environmental Sciences (53)
23.	Saliva plate streaking using different types of streaking techniques on Nutrient Agar and Sabouraud's Agar	T.Y.B.Sc. Environmental Sciences (53)
24.	DNA Extraction from Epithelial Cells	T.Y.B.Sc. Life Sciences (24)
25.	Plasmid Extraction and Isolation	T.Y.B.Sc. Life Sciences (24)
26.	Agarose Gel Electrophoresis	T.Y.B.Sc. Life Sciences (24)
27.	Study of UV Trans illuminator	T.Y.B.Sc. Life Sciences (24)

Department: Microbiology

2016-17		
Sr.No.	List of New Practical/Demonstrations	Class and No. of Beneficiaries
1.	Determination of sugar concentration in carbonated soft drink and fruit drinks	T.Y.B.Sc (22)

2.	Lipid extraction and estimation by Soxhlet's method	S.Y.B.Sc (36)
3.	Study of Extremophiles - metallotolerants, osmophiles, anaerobic organisms	S.Y.B.Sc (40)
4.	Study of enzymes causing spoilage in food	S.Y.B.Sc (43)
5.	Study of desulfurase activity for identification of bacteria	S.Y.B.Sc (41)
6.	Studying the significance of phosphate buffered saline	S.Y.B.Sc (40)
7.	Column chromatography	S.Y.B.Sc (40)
8.	Study antibacterial spectrum of insoluble drug	S.Y.B.Sc (40)
9.	Determination of MIC of preservative by agar dilution method	S.Y.B.Sc (40)
10.	Study of Normal flora of gastrointestinal tract and respiratory tract	F.Y.B.Sc. (53)
11.	Study antibacterial spectrum by agar strip method	F.Y.B.Sc. (53)
12.	Preparation of fermented foods	F.Y.B.Sc. (53)
13.	Optimization studies for cultivation of phages	F.Y.B.Sc. (53)
14.	Agarose Gel Electrophoresis	S.Y.B.Sc (34)
15.	Determination of Host specificity of phage	T.Y.B.Sc (24)
16.	Synergistic activity of antibiotics	T.Y.B.Sc (24)
17.	Bioautography	T.Y.B.Sc (24)
18.	Use of Rotary Vacuum evaporator for extraction and drying of plant pigments.	S.Y.B.Sc (44)

Sr.No.	Name of Extension Practicals/Demonstrations	Class and number of beneficiaries
1.	Aseptic Transfer Techniques	F.Y.B.Sc(56)
2.	Micrometry	F.Y.B.Sc.(56)
3.	Study of selective media- Cetrimide and its role as surfactant	F.Y.B.Sc.(56)
4.	Study of Normal flora of gastrointestinal tract and respiratory tract	F.Y.B.Sc.(56)
5.	Determining RBC count using Haemocytometer	F.Y.B.Sc.(56)

6.	Optimization studies for cultivation of phages	F.Y.B.Sc.(56)
7.	Analysis of growth of bacteria under stressed conditions and determination of generation time	F.Y.B.Sc.(56)
8.	Studying effect of desiccation	F.Y.B.Sc.(56)
9.	Lipid extraction and estimation by Soxhlet's method	S.Y.B.Sc (44)
10.	Potability of water from various drinking outlets using MPN test and identification	S.Y.B.Sc (45)
11.	Winogradsky column :Study of zones using soil and water samples from Sanjay Gandhi National Park – identification of microbes	S.Y.B.Sc- 45
12.	Agarose Gel Electrophoresis	S.Y.B.Sc (45)
13.	Study of Antibiotic producers	S.Y.B.Sc (45)
14.	Demonstration of antibacterial activity of volatile compounds	S.Y.B.Sc (45)
15.	Platform tests for milk samples	S.Y.B.Sc (45)
16.	Gradient plate technique with dyes	T.Y.B.Sc (30)

2017-18		
Sr.No.	List of New Practical/Demonstrations	Class and No. of Beneficiaries
1.	Photoreactivation	T.Y.B.Sc (22)
2.	Agarose gel electrophoresis	T.Y.B.Sc (24)
3.	Study of Extremophiles: metallotolerants, osmophiles, anaerobic organisms	S.Y.B.Sc (47)
4.	Use of R2A agar	S.Y.B.Sc(47)
5.	Study of eukaryotic cell division by Mitosis	S.Y.B.Sc (47)
6.	Major Minor cross matching	T.Y.B.Sc (22)
7.	Synergistic activity of antibiotics	T.Y.B.Sc (24)
8.	Bioautography	T.Y.B.Sc (30)
9.	Stokes method of AST	T.Y.B.Sc (30)
10.	Handling of Spectrophotometer	T.Y.B.Sc (30)

11.	Column chromatography	S.Y.B.Sc (47)
12.	Thin layer chromatography	S.Y.B.Sc (47)
13.	Use of Rotary Vacuum evaporator for extraction and drying of plant pigments.	S.Y.B.Sc(47)
14.	Study antibacterial spectrum of insoluble drug	S.Y.B.Sc(47)
15.	Determination of MIC by agar dilution method	S.Y.B.Sc-47
16.	Synthesis of Nanoparticles and studying its antibacterial activity using plant extracts	S.Y.B.Sc(47)
17.	Handling and Working of UV-Vis Spectrophotometer	S.Y.B.Sc(47)
18.	Demonstration of antibacterial activity of volatile compounds	S.Y.B.Sc(47)
19.	Study antibacterial spectrum by agar strip method	F.Y.B.Sc.(56)

Sr.No.	Name of Extension Practicals/Demonstrations	Class and number of beneficiaries
1.	Aseptic Transfer Techniques	F.Y.B.Sc(56)
2.	Micrometry	F.Y.B.Sc.(56)
3.	Study of selective media- Cetrimide and its role as surfactant	F.Y.B.Sc.(56)
4.	Study of Normal flora of gastrointestinal tract and respiratory tract	F.Y.B.Sc.(56)
5.	Determining RBC count using Haemocytometer	F.Y.B.Sc.(56)
6.	Optimization studies for cultivation of phages	F.Y.B.Sc.(56)
7.	Analysis of growth of bacteria under stressed conditions and determination of generation time	F.Y.B.Sc.(56)
8.	Studying effect of desiccation	F.Y.B.Sc.(56)
9.	Lipid extraction and estimation by Soxhlet's method	S.Y.B.Sc (44)
10.	Potability of water from various drinking outlets using MPN test and identification	S.Y.B.Sc (45)

11.	Winogradsky column :Study of zones using soil and water samples from Sanjay Gandhi National Park – identification of microbes	S.Y.B.Sc- 45
12.	Agarose Gel Electrophoresis	S.Y.B.Sc (45)
13.	Study of Antibiotic producers	S.Y.B.Sc (45)
14.	Demonstration of antibacterial activity of volatile compounds	S.Y.B.Sc (45)
15.	Platform tests for milk samples	S.Y.B.Sc (45)
16.	Gradient plate technique with dyes	T.Y.B.Sc (30)

2018-19		
Sr.No.	List of Practical/Demonstrations(New)	Class and No.of Beneficiaries
1.	Use of R2A agar for the isolation of stressed organisms from water sample	S.Y.B.Sc. (41)
2.	Study of eukaryotic cell division by Mitosis	S.Y.B.Sc. (41)
3.	Estimate Minimum Bactericidal concentration of various disinfectants	S.Y.B.Sc. (41)
4.	Study of Antibiotic producers from soil sample.	S.Y.B.Sc. (41)
5.	Green and Chemical synthesis of nanoparticles and checking its antibacterial activity	S.Y.B.Sc. (41)
6.	Platform tests for analysis of milk samples	S.Y.B.Sc. (41)
7.	Thin layer chromatography for separation sugars.	S.Y.B.Sc. (41)
8.	Isolation of Antibiotic resistant organism from train	S.Y.B.Sc. (41)
9.	Column chromatography for separation of plant pigments.	S.Y.B.Sc. (41)
10.	Isolation of Pectin degraders	S.Y.B.Sc. (41)
11.	Isolation of <i>Corynebacterium diphtheriae</i> using selective media	S.Y.B.Sc. (41)
12.	Handling and Working of UV-Vis spectrophotometer	S.Y.B.Sc. (41)
13.	Study of motility of bacteria using tetrathiazolium dye.	T.Y.B.Sc. (29)
14.	Bioautography for detection of Vitamin B12	T.Y.B.Sc. (29)
15.	Study of antibacterial spectrum by agar strip method	F.Y.B.Sc.(56)
16.	Determination of quantity of a compound using interpolation method(from graph)	F.Y.B.Sc.(56)

2018-19		
Sr. No.	List of Practical/Demonstrations(Extension)	Class and No.of Beneficiaries
1.	Application of Soxhlet's apparatus for Lipid and Phytochemical extraction	S.Y.B.Sc. (41)
2.	Potability of water from various drinking outlets.	S.Y.B.Sc. (41)
3.	Winogradsky column: Study of zones using soil and	S.Y.B.Sc. (41)

	water samples from Karnala Bird Sanctuary.	
4.	Study antibacterial spectrum of partially insoluble drug by ditch plate method	S.Y.B.Sc. (41)
5.	Determination of MIC by agar dilution method	S.Y.B.Sc. (41)
6.	Antimicrobial activity of commercial disinfectants using disc diffusion method.	F.Y.B.Sc. (30)
7.	Flagella staining by silver impregnation method.	F.Y.B.Sc.(56)
8.	Micrometry for measurement of cell size	F.Y.B.Sc.(56)
9.	Determining RBC count using Haemocytometer	F.Y.B.Sc.(56)
10.	Optimization studies for cultivation of phages	F.Y.B.Sc.(56)
11.	Study of selective media- Cetrimide and its role as surfactant	F.Y.B.Sc.(56)
12.	Analysis of growth of bacteria under stressed conditions and determination of generation time	F.Y.B.Sc.(56)
13.	Studying effect of desiccation on bacterial growth	F.Y.B.Sc.(56)
14.	Agarose gel electrophoresis for genomic DNA analysis.	T.Y.B.Sc. (29)
15.	Determination Of Sugar Concentration In Commercial Drinks By Cole's Ferricyanide Method (Using Calculation Method)	T.Y.B.Sc. (29)
16.	Tomato juice agar for isolation of Lactic acid bacteria.	T.Y.B.Sc. (29)
17.	Major Minor Crossmatching of blood samples	T.Y.B.Sc. (29)
18.	Analysis of Synergistic activity of drugs.	T.Y.B.Sc. (29)
19.	Antibiotic Susceptibility Test by Stokes method	T.Y.B.Sc. (29)

Department: Statistics

2016-17		
Sr. No.	List of New Practical/Demonstrations	Class and No.of Beneficiaries
1.	Descriptive Statistics using R	S.Y.B.Sc.(13)
2.	Theoretical Distributions using R	S.Y.B.Sc.(13)
3.	ANOVA using Excel	S.Y.B.Sc. (22)
4.	Theoretical Distributions using Excel	S.Y.B.Sc. (22)
5.	Correlation, Regression and Curve Fitting using Excel	S.Y.B.Sc. (22)
6.	Descriptive Statistics using R	T.Y.B.Sc.(16)
7.	Theoretical Distributions using R	T.Y.B.Sc. (16)
8.	ANOVA using R	T.Y.B.Sc.(30)
9.	Correlation, Regression and Curve Fitting using R	T.Y.B.Sc. (32)
10.	Statistical Tests using R	T.Y.B.Sc. (21)
11.	Non-Parametric tests using R	T.Y.B.Sc. (25)
12.	Descriptive Statistics using Excel	T.Y.B.Sc. (32)
13.	Theoretical Distributions using Excel	T.Y.B.Sc. (34)
14.	Financial Functions using Excel	T.Y.B.Sc. (30)

15.	Statistical Tests(Large and Small Sample Test, χ^2 and Equality of variance) using Excel	T.Y.B.Sc. (33)
16.	Curve Fitting, Time Series and Exponential Smoothing using Excel	T.Y.B.Sc. (25)
17.	Actuarial Science using Excel	T.Y.B.Sc. (22)
18.	LPP, Assignment, Transportation Problems using Excel	T.Y.B.Sc. (06)
19.	Correlation, Regression using Excel	T.Y.B.Sc. (32)

2017-18		
Sr. No.	List of New Practical/Demonstrations	Class and No.of Beneficiaries
1.	Permutation , Combination and Probability	F.Y.B.Sc. (39)
2.	Binomial, Poisson and Hypergeometric Distribution using Ms Excel	F.Y.B.Sc. (52)
3.	Case study using Descriptive Statistics using Excel and R	F.Y.B.Sc. (40)
4.	Uniform, Exponential and Normal Distribution using Excel	F.Y.B.Sc. (47)
5.	Large Sample test for variables and attributes	F.Y.B.Sc. (35)
6.	Binomial, Poisson, Geometric, Negative Binomial and Hyper-geometric Distribution using Ms Excel	S.Y.B.Sc.(28)
7.	Normal ,Exponential and Uniform using Ms Excel	S.Y.B.Sc.(29)
8.	Geometric and Negative Binomial Distribution using R	S.Y.B.Sc.(25)
9.	Simple Random Sampling and stratified sampling using EXCEL.	S.Y.B.Sc.(19)
10.	Simple Random Sampling using R	S.Y.B.Sc.(14)
11.	LPP, Transportation and Assignment problem using EXCEL	S.Y.B.Sc.(13)
12.	LPP, Transportation and Assignment problem using R	S.Y.B.Sc.(21)
13.	Decision Theory using R	S.Y.B.Sc.(14)
14.	Gamma, Beta, t , F and Chi -Square Distribution using R	S.Y.B.Sc.(25)
15.	Small Sample Test using R	S.Y.B.Sc.(23)
16.	C.R.D. and R.B.D. using Ms Excel and R	S.Y.B.Sc.(12)
17.	Decision Theory using R	S.Y.B.Sc.(14)
18.	Decision Theory using Ms.Excel	S.Y.B.Sc.(13)
19.	Test for population variance of one and two sample	S.Y.B.Sc.(17)
20.	Large Sample Test using Ms Excel	T. Y. B. Sc.(21)
21.	Application of t and F Distribution using Ms Excel	T. Y. B. Sc.(18)
22.	Financial function using Excel and R	T. Y. B. Sc.(16)
23.	Sampling Distribution and Central Limit Theorem using Ms Excel	T. Y. B. Sc.(23)
24.	Sampling Distribution and Central Limit Theorem using R	T. Y. B. Sc.(23)
25.	LPP, Transportation and Assignment problem using Ms	T. Y. B. Sc.(20)

	Excel	
26.	Bio Equivalence using R	T. Y. B. Sc.(16)
27.	Statistical test Using R	T. Y. B. Sc.(19)
28.	Demonstration of Type I error and Type II error using MS-EXCEL	T. Y. B. Sc.(15)
29.	Correlation and regression analysis using R and EXCEL	T. Y. B. Sc.(06)
30.	Decision Theory using R	T. Y. B. Sc.(06)
31.	Financial Functions using R	T. Y. B. Sc.(21)
32.	Test of correlation coefficient using Excel and R	T. Y. B. Sc.(17)
33.	Case Study Using R software	T. Y. B. Sc.(16)
34.	SPRT using R software	T. Y. B. Sc.(18)
35.	Time series: Trend Analysis	T. Y. B. Sc.(24)

2018-19		
Sr. No.	List of Practical/Demonstrations	Class and No.of Beneficiaries
1.	Permutation , Combination and Probability using R	F.Y.B.Sc.(52)
2.	Data Analytics and Visualization using MS Excel	F.Y.B.Sc.(43)
3.	Binomial, Poisson and Hypergeometric Distribution using MS Excel	F.Y.B.Sc.(55)
4.	Normal and Exponential Distribution using MS Excel	F.Y.B.Sc.(11)
5.	Large Sample test using MS EXCEL.	F.Y.B.Sc.(61)
6.	Time Series using Excel	F.Y.B.Sc.(18)
7.	Geometric and Negative Binomial Distribution using R	S.Y.B.Sc.(41)
8.	Geometric and Negative Binomial Distribution using Ms Excel	S.Y.B.Sc.(25)
9.	Simple Random Sampling and stratified sampling using R.	S.Y.B.Sc.(19)
10.	Continuous Distribution using R	S.Y.B.Sc.(16)
11.	Continuous Distribution using MS Excel	S.Y.B.Sc.(31)
12.	Application of t-Distribution using MS Excel and R	S.Y.B.Sc.(37)
13.	Application of Chi-square distribution using R and MS Excel	S.Y.B.Sc.(28)
14.	Application of F-distribution using R and MS Excel	S.Y.B.Sc.(28)
15.	Making Gannt chart and Finding ES, EF, LS and LF using Excel and Finding EMV and EOL using R-Studio	S.Y.B.Sc.(35)
16.	Case study writing on Game Theory	S.Y.B.Sc.(35)
17.	ANOVA using Ms Excel	S.Y.B.Sc.(36)
18.	ANOVA using R.	S.Y.B.Sc.(29)
19.	Central Limit Theorem using R and MS-EXCEL	T. Y. B. Sc.(21)
20.	Test for correlation coefficient using R and MS Excel	T. Y. B. Sc. (12)
21.	Simulation using MS-EXCEL	T. Y. B. Sc. (30)
22.	Actuarial Science	T. Y. B. Sc. (30)

23.	Non-Parametric using Excel	T. Y. B. Sc. (31)
24.	Testing of Hypothesis	T. Y. B. Sc. (28)
25.	Introduction to open source software-OpenOffice	F.Y.B.Sc.(18)

12. Details of equipment purchased in each department from DBT grant:

Department: Biotechnology

2016-17(Non-Recurring)					
Sr. No.	Item	Number of items	Cost per item(in Rs.)	Date of order placed	Date of purchase/ installation
1.	Variable type power pack (08/2016/17)	1	65,478.00	03/02/2017	28/02/2017
2.	UV Transilluminator Gel Viewing 1(08/2016/17)	1		03/02/2017	28/02/17
3.	Maxi immersion type electro blotter (08/2016/17)	1	12,053.00	03/02/2017	28/02/2017
4.	Midi vertical gel electrophoresis (07/2016/17)	1		03/02/2017	28/02/2017
5.	microcentrifuge model 2 (10000rpm) (06/2016/17)	1	31,155.00	03/02/2017	03/07/2017
6.	midi submarine gel electrophoresis (06/2016/17)	1		03/02/2017	03/07/2017
7.	peltier PCR model Neo (09/2016/17)	1	99,500.00	06/02/2017	03/03/2017
8.	Vertical deep freeze celfrost BFS 150 (14/2016/17)	1	75,035.00	23/03/2017	31/3/2017
9.	Colorimeter Equiptronics EQ650A (14/2016/17)	1		23/03/2017	31/3/2017
10.	Mixer grinder with 3 jar (14/2016/17)	1		23/03/2017	31/3/2017
11.	vertical autoclave	1	64,353.00	21/03/2017	04/11/2017

	(13/2016/17)				
12.	Waterbath (13/2016/17)	1		21/03/2017	04/11/2017
13.	High precision balance (13/2016/17)	1		21/03/2017	04/11/2017
14.	Heating mantle (13/2016/17)	1		21/03/2017	04/11/2017
15.	Hot air Oven (15/2016/17)	1	24,970.00	21/03/2017	04/11/2017
16.	Heat lid	1		06/02/2017	04/12/2017
17.	Block Module	1		06/02/2017	04/12/2017
18.	Peltier Block	1		06/02/2017	04/12/2017
19.	power cord	1	62,237.00	06/02/2017	04/12/2017
20.	Solvent filtration apparatus with vacuum pump (06/2016/17)	1	42,903.00	03/02/2017	18/4/2017
21.	Colorimeter	2	22,300.00	1/6/2017	29/6/2017
Total				4,77,684.00	

2016-17(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Chemicals & consumables	1,63,365.00
2.	Honorarium	13,000.00
3.	Books	5,956.00
4.	Miscellaneous	17,670.00
Total		1,99,991.00

2017-18(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Chemicals & consumables	96,362.00
2.	Honorarium	12,000.00
3.	Books	0.00
4.	Miscellaneous	467.00
Total		1,08,829.00

2018-19(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Chemicals & consumables	1,02,496.46.00
2.	Honorarium	17,500.00
3.	Books	26,334.00
4.	Miscellaneous	57,409.00
Total		2,03,739.00

Department: Chemistry

2016-17(Non-Recurring)					
Sr. No.	Item	Number of items	Cost per item(in Rs.)	Date of order placed	Date of purchase/ installation
1.	pH meter	1	39,214.00	1/9/2016	24/11/2016
2.	colorimeter	1		1/9/2016	24/11/2016
3.	conductivity meter	2		1/9/2016	24/11/2016
4.	Water distillation unit	1	17,871.00	1/9/2016	30/11/2016
5.	Magnetic stirrer	1	33,422.00	15/3/2017	20/3/2017
6.	Hotplate	1	5,152.00	9/9/2017	15/9/2017
7.	Combined electrode	5		29/6/2017	30/6/2017
8.	Platinum Electrode	5		29/6/2017	30/6/2017
9.	Conductivity cell	5		29/6/2017	30/6/2017
10.	Muffle furnace	1		29/6/2017	30/6/2017
11.	Visible spectrophotometer	1		29/6/2017	30/6/2017
12.	Refrigerator	1	2,59,132.00	29/6/2017	
13.	Electronic balance	4	54,480.00	13/3/2017	20/3/2017
14.	pH meter,	4	91,118.00	10/3/2017	19/3/2017
15.	Colorimeter,	4		10/3/2017	19/3/2017
16.	Digital conductivity meter	3		10/3/2017	19/3/2017
Total					5,00,299.00

2016-17(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Chemicals & consumables	1,81,560.00
2.	Honorarium	9,500.00
3.	Books	0.00
4.	Miscellaneous	9,895.00
Total		1,99,991.00

2017-18(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Chemicals & consumables	1,40,343.60
2.	Honorarium	13,000.00
3.	Books	0.00
4.	Miscellaneous	36,017.00
Total		1,89,360.00

2018-19(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)

1.	Chemicals & consumables	1,62,611.00
2.	Honorarium	27,500.00
3.	Travelling	13,000.00
Total		2,03,111.00

Department: Life Sciences

2016-17(Non-Recurring)					
Sr. No.	Item	Number of items	Cost per item(in Rs.)	Date of order placed	Date of purchase/ installation
1.	Colorimeter	5	43,414.00	17/03/2017	18/03/2017
2.	Variable Micropipette	3	15,460.00	18/08/2017	18/08/2017
3.	Trinocular Microscope with LED Light & 5.1 MP Camera	1	96,702.00	17/03/2017	20/03/2017
4.	Heating Mantle Capacity- 500ml, 1000ml	1	19,068.00	17/03/2017	20/03/2017
5.	Chromatography Techniques Make GeNei	5	41,051.00	17/03/2017	20/03/2017
6.	Visualizer AverVision F50HD	1	61,650.00	05/06/2017	05/06/2017
7.	Senior Precision Rotary Microtome	1	47,648.00	28/06/2017	28/06/2017
8.	Nikon Camera Coolpix P900	1	31,000.00	17/03/2017	22/06/2017
9.	Vertical electrophoresis Single sided System	1	17,928.00	29/06/2017	30/06/2017
10.	Set of 4 variable volume Pipettes	2	22,800.00	29/06/2017	30/06/2017
11.	UV-Transilluminator with diffusing UV-Transport Window	1	18,977.00	29/06/2017	30/06/2017
12.	Horizontal Gel Apparatus	1	16,380.00	29/06/2017	30/06/2017
13.	ph Meter with Built-in electronic buffer	1	11,044.80	31/08/2017	31/08/2017
14.	Microscope Student	1	5,798.00	16/09/2017	18/09/2017

	GE-34				
15.	Electronic Balance CAH-220gm	1	29,952.00	18/09/2017	18/09/2017
Total			5,03,666.40		

2016-17(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Chemicals & consumables	1,17,662.00
2.	Honorarium	40,500.00
3.	Books	10,270.00
4.	Miscellaneous	32,028.00
Total		2,00,460.00

2017-18(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Chemicals & consumables	42,351.10
2.	Honorarium	62,170.00
3.	Books	8,384.25
4.	Miscellaneous	56,903.00
Total		1,69,808.35

2018-19(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Chemicals & consumables	70,431.00
2.	Honorarium	61,250.00
3.	Books	8,343.00
4.	Miscellaneous	42,338.00
5.	Traveling	20,756.00
Total		2,03,118.00

Department: Microbiology

2016-17(Non-Recurring)					
Sr. No.	Item	Number of items	Cost per item(in Rs.)	Date of order placed	Date of purchase/ installation
1.	Micro- Centrifuge	1	44,333.00	21/6/2017	22/7/2017
2.	U.V- Visible Spectrophotometer	1	99,500.00	6/2/2017	6/4/2017
3.	Software, converter and cuvettes	1 each	50,500.00	6/2/2017	6/4/2017
4.	Submarine Gel Electrophoresis Unit	2	18,388.00	21/6/2017	22/7/2017

	(Gel size 10cm X 7cm				
5.	Power Pack -Fixed type II with 200 mA current(can run two units simultaneously	2	21,451.00	21/6/2017	22/7/2017
6.	Soxhlet heating mantle	2	2,611.00	13/4/2017	27/4/2017
7.	Rotary Vacuum Evaporator	1	48,776.00	21/6/2017	24/6/2017
8.	Vertical Gel Electrophoresis Unit(Gel size 10cm X 10cm	2	20,021.00	21/6/2017	22/7/2017
9.	Magnetic stirrer	1	3,065.00	13/4/2017	22/6/2017
10.	U.V. Transilluminator	1	24,720.00	24/6/2017	28/6/2017
11.	pH meter	1	6,810.00	18/3/2017	28/6/2017
12.	Mixer	1	3,660.00	17/1/2017	28/6/2017
13.	Binocular microscopes -	4	1,26,212.00	8/6/2017	26/6/17
14.	Colorimeter-	4	30,339.00	24/6/2017	28/6/17
Total			5,00,386.00		

2016-17(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Glassware and Consumables	1,00,114.00
2.	Chemicals	60,695.00
3.	Honorarium	6,500.00
4.	Miscellaneous	32,694.00
Total		2,00,003.00

2017-18(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Glassware	48,801.50
2.	Chemicals	33,708.00
3.	Honorarium	8,525.00
4.	Miscellaneous	13,840.00
Total		1,04,874.50

2018-19(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Chemicals & consumables	1,46,123.00
2.	Honorarium	19,875.00
3.	Books	29,570.00

4.	Miscellaneous	9,000.00
Total		2,04,569.00

Department: Statistics

2016-17(Non-Recurring)					
Sr. No.	Item	Number of items	Cost per item(in Rs.)	Date of order placed	Date of purchase/ installation
1.	Computers	1	44,333.00	21/6/2017	22/7/2017
2.	LCD Projector	1	99,500.00	6/2/2017	6/4/2017
3.	Audio Visual	1 each	50,500.00	6/2/2017	6/4/2017
4.	Calculators	2	18,388.00	21/6/2017	22/7/2017
5.	HP Jet Printer	2	21,451.00	21/6/2017	22/7/2017
Total			5,05,088.00		

2016-17(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Software License	1,60,300.00
2.	Honorarium	25,500.00
3.	Stationary, Printing, Photocopying	5,038.00
Total		1,90,838.00

2017-18(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Software License	
2.	Honorarium	45,000.00
3.	Other expenses(Printing, of Book Stationary)	33,998.00
4.	Travelling	2,373.00
Total		81,371.00

2018-19(Recurring)		
Sr. No.	Item	Expenditure(in Rs.)
1.	Travelling	79,324.00
2.	Honorarium	54,000.00
3.	Books	21,081.00
4.	Miscellaneous	57,023.00
Total		2,11,428.00

13. Details of books & journals subscribed from DBT grant:

Department: Biotechnology

2016-17			
Sr.	Title of the Book	Publisher	Edition

No.			
1.	Advanced Biotechnology by RC Dubey	S. Chand	Revised Edition, 2014
2.	Genetics by BD Singh	Kalyani	Second Edition, 2013
3.	Medical Microbiology by Patrik Murray	Elsevier	Eight Edition, 2015

2017-18			
Sr. No.	Title of the Book	Publisher	Edition
Nil	Nil	Nil	Nil

2018-19			
Sr. No.	Title of the Book	Publisher	Edition
1.	Mirobial Technology -Volume 1 and 2 set by Peppler	Krieger Pub Co	Second Edition Academic Press Practicals

Department: Chemistry

2016-17			
Sr. No.	Title of the Book	Publisher	Edition
Nil	Nil	Nil	Nil

2017-18			
Sr. No.	Title of the Book	Publisher	Edition
Nil	Nil	Nil	Nil
2018-19			
Sr. No.	Title of the Book	Publisher	Edition
Nil	Nil	Nil	Nil

Department: Life Sciences

2016-17			
Sr. No.	Title of the Book	Publisher	Edition
1.	Advanced Biotechnology	S.Chand Publishing	Fourth Edition
2.	Bioinstrumentation	MJP Publication	Fifth Edition
3.	Environmental Science Toward a Sustainable Future	Prentice Hall	Eight Edition

4.	Essentials of Life Sciences	Med Tec Publishers	Second Edition
5.	Case Studies in Immunology	Garland Science	Seventh Edition

2017-18			
Sr. No.	Title of the Book	Publisher	Edition
1.	Botany and Introduction to plant botany	Jones and Bartelett	Fourth Edition
2.	Mader's Understanding Human Anatomy and Physiology	McGraw Hill Science	Seventh Edition
3.	Principles of Development	Oxford University Press	Fifth Edition

2018-19			
Sr. No.	Title of the Book	Publisher	Edition
1.	Zebrafish :Methods and Protocols	Humana Press,KoichiK awakami Elizabeth Patton Michael Orge	Second Edition

Department: Microbiology

2016-17			
Sr. No.	Title of the Book	Publisher	Edition
Nil	Nil	Nil	Nil
2017-18			
Sr. No.	Title of the Book	Publisher	Edition
Nil	Nil	Nil	Nil

2018-19			
Sr. No.	Title of the Book	Publisher	Edition
1.	Introduction to Diagnostic Microbiology For laboratory science,Maria Delost	Jones and Bartlett Publishers, Inc	First Edition
2.	Basic virology,Edward K. Wagner, Martinez J. Hewlett, David C. Bloom, David Camerini]	Blackwell Publishing	Third Edition

Department: Statistics

2016-17			
Sr. No.	Title of the Book	Publisher	Edition
Nil	Nil	Nil	Nil

2017-18			
Sr. No.	Title of the Book	Publisher	Edition
Nil	Nil	Nil	Nil

2018-19			
Sr. No.	Title of the Book	Publisher	Edition
1.	Analyzing and Visualizing Data with R software	Shailja Prakashan and K.C.College	First Edition
2.	Applied Linear Statistical Models	McGraw Hill Education (India) Private Limited	Fifth Edition
3.	Applied Regression Analysis	Wiley	Third Edition

15. Qualitative improvements due to DBT support

Please highlight (5 salient lines)

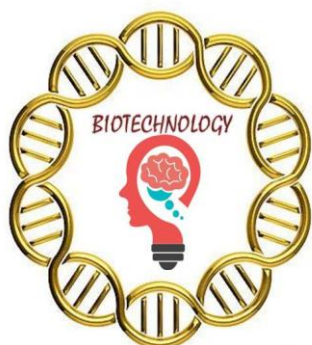
- Successful in generating interest for learning new insights in scienceexperiential teaching and research activities, not only among faculty and students, thus increase in the number of research projects
- Learnt efficient techniques in handling and use of instruments not only by students but also by teaching and non teaching staff.
- Improved interdisciplinary and trans-disciplinary approach in choosing the research topic, by students.
- Infrastructural up-gradation of laboratory and increase in number of glasswares, chemicals, raw materials etc.
- Improvement in attendance and overall examination grades for students, from previous year
- Opportunities for learning outside the boundaries of curriculum.
- With the support of funding under Star College Scheme, many demonstration experiment could be converted to hands-on experiments, which brought about better understanding of the topic.

- Various projects, lectures and workshop helped the students to understand practical applications of certain topics and also helped in enhancement of scientific temper, upgradation of analytical, research, functional and soft skills. It also motivated them towards research activities.
- The field trips helped them to connect with environment and enjoy the learning beyond the boundaries.
- Through the activities conducted, students got exposure to wider spectra of knowledge and connectivity with experts in the field.
- Started free consultancy along and incorporated statistical soft skills in the subject of Statistics and Operations Research at the time of revision of TYBSc syllabus Mumbai University.
- DBT- Star College Scheme R-Software manual has been introduced as part of Reference Book in TY BSc syllabus of statistics.

16. Problems faced, if any, in implantation of the programme and utilization of DBT grant (in two-three lines)

- Non Disbursement of Funds for two years, but with support of college management could complete most of the tasks planned.
- Scarcity of time to complete activities in view of various exam schedules yet the teaching and non teaching staff worked for extra hours to complete the task.
- Need for a separate technical or support staff for the work management
- As there is no provision for separate fund allocation for Annual Maintenance Contract for instruments, there is a need for the same, however the college supports the maintenance requirements as the need arises.

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Department of Biotechnology



Department of Chemistry



Department of Life Sciences



Department of Microbiology



Department of Statistics