



**Konkan Muslim Education Society's G.M.Momin Women's College, Bhiwandi, Dist.  
Thane (Maharashtra) PIN 421302**

[www.gmmomincol.org](http://www.gmmomincol.org)

**Established: 24<sup>th</sup> July 1989**

**Progress Report (2016-17, 2017-18, 2018-19)**



**Ms. Jayashree Thakre**  
**Star College Scheme**  
**Coordinator**

**Dr. M. J. Kolet**  
**Principal**

## Department of Biotechnology

### Progress Report (2016-17, 2017-18, 2018-19)

#### KME Society's G. M. Momin Women's College

1. **Name of the College:** KME Society's G. M. Momin Women's College, Bhiwandi
2. **Name of Departments supported :** Botany, Chemistry, Physics, Zoology, IT
3. **Name of Coordinator, designation, address, phone nos. :**

<b>Name of Coordinator</b>	<b>Mrs. Jayashree Thakre</b>
Designation	Assistant Professor
Address	G. M. Momin Women's College, Bhiwandi
Phone no.	9869137416

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

Department	Year	Botany	Chemistry	Physics	IT	Zoology
No. of regular faculty with Ph.D.	2016-17	04	04	01	-	05
	2017-18	05	04	02	-	04
	2018-19	04	04	02	-	04

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

Department	Year	Botany	Chemistry	Physics	IT	Zoology
List of courses	2016 - 2017	B.Sc. M.Sc. (by papers) M.Sc. (by research) PhD	B.Sc. M.Sc (by papers)	B.Sc. M.Sc (by papers)	B.Sc. M.Sc (by papers)	B.Sc. M.Sc. (by papers) MSc. (by research) Ph.D
Certificate course		Basics in Plant Tissue Culture	-	Designing and building Electronic circuits	Networking	-
List of courses	2017 - 2018	B.Sc. M.Sc MSc By Research PhD	B.Sc. M.Sc	B.Sc. M.Sc	B.Sc. M.Sc	B.Sc. M.Sc MSc By Research PhD
Certificate course		Basics in Plant Tissue Culture	Calibration and Standardization	-	1.Networking 2.Basic Computer	Water Testing

List of courses	2018 - 2019	B.Sc. M.Sc MSc By Research PhD	B.Sc. M.Sc	B.Sc. M.Sc	B.Sc. M.Sc	B.Sc. M.Sc MSc By Research PhD
Certificate course		Basics in Plant Tissue Culture	Calibration and Standardization	“Bio Physics”	1.Networking 2.Basic Computer	Water Testing

**Cut off percentage for admission in different courses in participating Departments, positions in University, percentage of result in 2009-10 academic session**

**(A) Cut off percentage for admission**

	2009-2010	2016-2017	2017-2018	2018-19
<b>PCM</b>	55.67%	66.15%	66.77%	65.08%
<b>CBZ</b>	60.33%	48.46%	64.77%	65%
<b>IT</b>	45%	45%	45%	46%

**(B) Data on pass percentage (UG level): For academic Year 2009-10, 2015-16, 2016-2017 and 2017-18**

Department	Class	Overall Passing Percentage (2009-10)	Overall Passing Percentage (2015-16)	Overall Passing Percentage (2016-17)	Overall Passing Percentage (2017-18)
Botany	FY B.Sc	79.76%	94.09%	100%	100%
	SY B.Sc	97.61%	98.36%	100%	100%
	TY B.Sc	90.90%	100%	100%	100%
Chemistry	FY B.Sc	70.58%	88.81%	88.63%	73.45%
	SY B.Sc	83.33%	98%	85.89%	94.12%
	TY B.Sc	85.18%	93.33%	81.60%	95.00%
Physics	FY B.Sc	82.85%	90%	90%	84%
	SY B.Sc	100%	100%	96%	94%
	TY B.Sc	100%	73.33%	85%	45%
Zoology	FY B.Sc	90%	95.65%	100%	100%
	SY B.Sc	98%	97.18%	100%	100%
	TY B.Sc	85%	100%	100%	97%
IT	FY B.Sc	59%	55%	90%	68.57%
	SY B.Sc	47%	53%	97.88%	95.65%
	TY B.Sc	37%	45%	90.56%	93.02%

**(C) Positions in University:**

Month/Year	Subject	Name of the Student	Merit Rank	Percentage of Marks
April 2010	Physics	Ms. Fakh Zulfah Asif	I Merit Rank	94%
April 2010	Physics	Ms. Rais Sadiya	II Merit Rank	91%
April 2010	Physics	Ms. Momin Ansa	III Merit Rank	89%
April 2011	Botany	Azmi Sumaiyya Wasique	I Merit Rank	82.38 %
April 2011	IT	Ghate Aqsa	III Merit Rank	83.93%
April 2014	Physics	Ansari Zamzam Nizamuddin	III Merit Rank	92%
April 2014	Botany	Ansari Asba Mohd. Aslam	II Merit Rank	93.15%
April 2015	IT	Hani Ayesha Ravish	I Merit Rank	90.75%
April 2016	Physics	Sarwar Nabila	I Merit Rank	93%

**6. List of projects undertaken by students, industrial visits by students, summer training in last three years 2016-17, 2017-18 and 2018-19 of implementation of Star Scheme.****(A) PROJECTS UNDERTAKEN BY THE STUDENTS**

Sr. No	Supervisor	Department	Name of students	Department to which student belongs to:	Title
<b>(Botany) 2016-17</b>					
1.	Dr. Vaishali Nirmalkar	Botany	Rifa Bharmal and Safa Khan	Botany and Biotechnology	Salt tolerant cell lines of Groundnut <b>(Won first prize at District level, University level and selected for State level at Avishkar Research Convention)</b>
2.	Dr. Vaishali Nirmalkar	Botany	Khatib Yusra and Zehra	Botany	Effect of Salinity stress on proline content of plant
3.	Dr. Vaishali Nirmalkar	Botany	Kharbe Tuba and Uquba	Botany	Study of dust load of Plant leaves
4.	Dr. Vaishali Nirmalkar	Botany	Khan Saba and Bibi Mariyam	Botany	Effect of physical and chemical treatment on seed growth
5.	Dr. Vaishali Nirmalkar	Botany	Khan Naziya and Ansari Shahana	Botany	Determination of dust load on the leaf of road side plant
6.	Dr. Vaishali Nirmalkar	Botany	Kharbe Ruqaiya and Kharbe Hafsa	Botany	Capital punishment
7.	Dr. Vaishali Nirmalkar	Botany	Tase Maria and Rifa Bharmal	Maths and Botany	Extension Education as a powerful tool for empowering Women
8.	Hannan Momin	Biotechnology	Khan Safa	Botany-Biotechnology	Green synthesis of silver nanoparticles, its characterization and determination of antimicrobial properties

9.	Hannan Momin	Biotechnology	Gulnaaz Shaikh	Biotechnology	Phytochemical analysis of Cinnamon.
10.	Dr. Mukesh Pimpliskar	Biotechnology	Ansari Sabanoor	Biotechnology	Phytochemical analysis, antioxidant and anti inflammatory activity of plum
11.	Dr. Mukesh Pimpliskar	Biotechnology	Ansari Sayma	Biotechnology	Phytochemical analysis of Plum
12.	Dr. Mukesh Pimpliskar	Biotechnology	Ansari Arhama	Biotechnology	Phytochemical analysis, antioxidant and anti inflammatory activity of Date

**(Botany) 2017-18**

1.	Dr. Moses Kolet	Botany	Divkar Ayesha Momin Ayesha	Botany	Novel Fungal Starter Culture for composting <b>(Won first prize at District level Avishkar Research Convention and selected for University level)</b>
2.	Ms. C. Laxmishree	Botany	Khan Shifa Faiz Momin Mariya Mansoori Saima	Botany	Survey of Mushroom in college campus in rainy season
3.	Dr. Archana Gupte	Botany	Dhole Naba Yasar Khatib Seema Hanif	Botany	Effect of dyeing effluent on seed germination, early growth of <i>Triticum aestivum L.</i>
4.	Dr. Ritu Jain	Botany	Tarrannum	Botany	Biodiversity in Taxonomical studies.
5.	Dr. Ritu Jain	Botany	Momin Tuba Iqbal Ansari Misbah Mohd. Naeem	Botany	Effect of abiotic stress condition on germination and seeding growth of pulse plant <i>Vigna radiata</i>
6.	Dr. Vaishali Nirmalkar	Botany	Momin Tahreem Ishtiyaque Ansari Muneeba Islamuddin Ansari Misbah Md. Naeem Maste Ayesha Malik Ahmed Momin Ifah Md. Anjum	Botany	Diversity of Fungi (Basidiomycetes) <b>(First Prize in National Conference on "Emerging Trends in Mycotechnology")</b>
7.	Dr. Vaishali Nirmalkar	Botany	Maste Ayesha Malik Ahmed	Botany, IT, Zoology	Interdisciplinary BoZoChem software

**(Botany) 2018-19**

1.	Dr. Moses Kolet	Botany	Iram Rajani Rahat Ansari	Biotechnology	Bioprospecting of corn cobs for the cultivation of mushroom spawn <b>(Won first prize at District level Avishkar Research Convention and selected for University level)</b>
2.	Dr. Vaishali Nirmalkar	Botany	Aqsa Shaikh Qunoot Momin Ansari Tanees Javeriya Shaikh Mishkat Shaikh Nasreen Shaikh Ramsha Shaikh	Botany	Isolation of Antibiotic producing Bacteria from mixed culture

3.	Dr. Vaishali Nirmalkar	Botany	Naba Momin Alvia Momin	Botany	Extraction of secondary metabolites from <i>Eclipta alba</i> by using Soxhlet apparatus and its TLC
4.	Dr. Vaishali Nirmalkar and Mrs. Ruby Patel	Botany	Gulnar Ansari Atufa Momin Saniya Ansari Fariya Shaikh Ramsha Momin Kajal Tafzila Khan Shabnam Ansari	Botany	Comparative Studies of Chloride Uptake of Leafy Vegetables, Pulses, Underground Vegetables and Fruits
5.	Dr. Vaishali Nirmalkar	Botany	Isha Momin	Botany	E-content preparation for plant diversity practical purpose
6.	Mrs. C. Laxmishree	Botany	Salwa Shaikh	Botany	Studies on Soil parameter of 3 different locations from Kharbav
<b>(Chemistry) 2016-17</b>					
1.	Jayashree Thakre	Chemistry	All 128 students of F.Y.B.Sc	Chemistry, Botany, Zoology, Physics and Maths	Material Safety data sheet
2.	Mrs. Jayashree Thakre and Dr. Shaziya Momin	Chemistry	Shaikh Jabeen Ansari Sakina	Chemistry	Hyphenated Techniques in liquid chromatography
<b>(Chemistry) 2017-18</b>					
1.	Mrs. Jayashree Thakre Dr. Shaziya Momin	Chemistry	Farheen Farhan Bombe Subhana Sikandar Quraishi	Chemistry	Magnesium Content in Talcum Powder
2.	Mrs. Jayashree Thakre Dr. Shaziya Momin	Chemistry	Taneem Ashfaque Momin Alshifa Riyaz Ansari	Chemistry	Persulphate Determination by Back Titration Method.
3.	Mrs. Jayashree Thakre Dr. Shaziya Momin	Chemistry	Ansari Neelofar Shaukat Ahmed Momin Samira Arshad Ali Ansari Kulsum Irfan Ali	Chemistry	Estimation of Vitamin C in Natural Fruits and tablets
4.	Mrs. Jayashree Thakre Dr. Shaziya Momin	Chemistry	Ansari Asra Kausar Fariuddin Qurashi Rukhsar Sagir	Chemistry	Estimation of Potassium and Sodium in Given Salt Samples by Flame Photometry
5.	Mrs. Jayashree Thakre	Chemistry	Shah Neelofar M.D Rafique Shaikh Anam	Chemistry	To Study the rate of adsorption of oxalic acid in activated charcoal

	Dr. Shaziya Momin		Badrealam		
6.	Mrs. Jayashree Thakre Dr. Shaziya Momin	Chemistry	Ansari Arhama Naueed Akhtar Shaikh Sana Naseem	Chemistry	Determination of Phosphoric acid in different cola samples
7.	Mrs. Jayashree Thakre Dr. Shaziya Momin	Chemistry	Momin Taiba Shahid Aslam Momin Rimsha Mansur Ahmed	Chemistry	Determination of Iron in tablet by titration
8.	Mrs. Jayashree Thakre Dr. Shaziya Momin	Chemistry	Mirza Fatima Ateeque Ansari Samreen Md Salim	Chemistry	Determination of percentage purity of sample using cation exchange resin column.
9.	Mrs. Jayashree Thakre Dr. Shaziya Momin	Chemistry	Khan Zoha Sanaullah Ansari Farheen Bano Md Idress	Chemistry	Study of chemical parameters of water
10.	Mrs. Jayashree Thakre Dr. Shaziya Momin	Chemistry	Khan Bushra Ashraf Ansari Mantasha Md. Ilyas	Chemistry	Study of physical parameters of water
11.	Dr. Seema Habib	Chemistry	Shaikh Jabeen Jabbar Miyan	Chemistry	A Facile Microwave Assisted Synthesis of Flavones From 2-Hydroxy Acetophenones and Aromatic Aldehydes

**(Chemistry) 2018-19**

1.	Dr. Naheed Azam	Chemistry	Patel Aafreen Chaudhry Shaheen	Chemistry	Magnesium and Calcium in milk sample
2.	Dr. Seema Habib	Chemistry	Ansari Gulnar Jahan Khan Nazneen Chaudhry Shaheen Momin Naba Momin Farwa Shaikh Nida	Chemistry	Preparation of Aspirin

**(Physics) 2016-17**

1.	Dr. Tarannum Attar		Rangari Rubina Momin Taqdees Shaikh Zunaira	Physics	Electronic Communication Techniques
2.	Ms. Tanwin Ashrafi		Shaikh Mahetaba Ansari Saba	Physics	Nuclear Reactors and Nuclear Power
3.	Dr. Anik Shrivastava		Shaikh Jabeen	Physics	Introduction to cosmology
4.	Dr. Tarannum Attar		Ansari Rana Shaheen Alauddin Chaudhary Sana Fatima Ansari Sadequa Irshad Ansari Ilma Jahan Mohd. Rumair Qureshi Subhana	Physics	Bioluminescence

		Khan Nafeesa Akbar		
5.	Mr. Arpit Trivedi	Khan Sume Jahan AbdulHameed Rangari Rubina Khan Bushra Ansari Nisa Shaikh Nagma Ansari Saba	Physics	DNA Finger Printing
6.	Ms. Tanwin Ashrafi	Momin Yumna Shaikh Nida Sayyed Sana Zubair Ali Ansari Zoha Arsheen Khan Farheen banodilawar Momin Saba	Physics	Bio Diversity: Hot spot in India
7.	Ms. Tanwin Ashrafi	Juhi Zafrul Ansari Sanakaushar Shaikh Zufishan Nooruddin	Physics	Hydraulic Bridge
8.	Mr. Arpit Trivedi	Momin Aayesha Momin Shafqua	Physics	Electric Motor Boat
9.	Ms. Tanwin Ashrafi	Shaikh Nagma Ansari Saba Qureshi Subhana	Physics	Homemade projector

**(Physics) 2017-18**

1.	Mr. Arpit Trivedi	Physics	Sadequa Ansari Sana Chaudhary	Physics	Study of Force due to Radiation
2.	Ms. Tanwin Ashrafi	Physics	Rangari Rubina Momin Aayesha Ansari Ummulwara	Physics	Touch Pin Sensor Using 555 Timer IC on Breadboard
3.	Mr. Arpit Trivedi	Physics	Ansari Sana Kausar Ali	Physics	Measurement of the potential difference and adjustment of the brightness of the LED
4.	Dr. Tarannum Attar	Physics	Khan Misbah Memon Kainat	Physics	Study of Nuclear Reactors
5.	Mr. Arpit Trivedi	Physics	Shaikh Mariyam Shaikh Nausheen	Physics	Michelson Interferometer
6.	Ms. Tanwin Ashrafi	Physics	Momin Tanzeela Zakir Bardi Sidra	Physics	Sound Detector using 555 Timer
7.	Ms. Tanwin Ashrafi	Physics	Shaikh Tabassum Kariya Mitsu	Physics	5 LED Chaser Using Transistor
8.	Dr. Anik Shrivastava	Physics	Ansari Nisa Khatoon	Physics	LDR Darkness Sensor
9.	Dr. Tarannum Attar	Physics	Momin Shafqua Shaikh Naziya	Physics	Metal Detector
10.	Ms. Tanwin Ashrafi	Physics	Momin Ayesha Mohd Rangari Rubina Alauddin	Physics	Thermodynamics Laws of Physics ( Zero <sup>th</sup> law) in the light of Quran
11.	Mr. Arpit Trivedi	Physics	Kuwari Sara Fakih Azka	Physics	Characterization of Glass using EPR spectroscopy



12.	Dr. Anik Shrivastava	Physics	Ansari Aqleema Ansari Anam Shaikh Nida Patel Afreen	Physics	Smart Roads
13.	Dr. Tarannum Attar	Physics	Ansari Aqleema Ansari Anam Asgar	Physics	Hydraulic Crane
14.	Ms. Tanwin Ashrafi	Physics	Ansari Umme-Aiman Ansari Mubasshera	Physics	Electromagnetic Train
15.	Dr. Anik Shrivastava	Physics	Ansari Ishrat Shaikh Tuba	Physics	Model on E-Waste Management
16.	Mr. Arpit Trivedi	Physics	Ansari Khansa	Physics	Model of Central Heating System
17.	Dr. Tarannum Attar	Physics	Ansari Iffat Ansari Rashida	Physics	Demonstration of Conservation of Momentum and Energy using Newton's Cradle
18.	Dr. Tarannum Attar	Physics	Ansari Rashida Ansari Afsha Shaikh Tasneem	Physics	Home Made Projector
19.	Ms. Tanwin Ashrafi	Physics	Alsaba Ab. Qadir Khan Hajera	Physics	Study of different types of Motors and their applications
20.	Dr. Anik Shrivastava	Physics	Alvi Farah Shahid Shaikh Shagufta Ubaid	Physics	Study of Power Outage

**(Physics) 2018-19**

1.	Dr. Tarannum Attar	Physics	AlSaba Abdul Qadir Ansari Sadequa Irshad	Physics	From Heavy to Healthy: Novel and scientific approach to School bag <b>(Won first prize at District level, University level and selected for State level at Avishkar Research Convention; also won 3<sup>rd</sup> prize at Anveshan West Zone Research Convention and selected for National level)</b>
2.	Mr. Arpit Trivedi	Physics	Ansari Aqleema Mushtaque Ansari Anam	Physics	Application of Signal processing techniques to ESR spectra
3.	Dr. Anik Shrivastav	Physics	Khan Misbah Obaid Chaudhary Sana Fatima	Physics	Structural behaviour of Cu-Zr alloy on various temperature range
4.	Mr. Arpit Trivedi	Physics	Khan Misbah Memon Kainat	Physics	Matchbox microphone
5.	Mrs. Tanwin Ashrafi	Physics	Momin Ayesha Rangari Rubina	Physics	Electric piano using Resistance box
6.	Dr. Anik Shrivastav	Physics	Momin Shafqua Ansari Ilma	Physics	Obstacle detector
7.	Mrs. Tanwin Ashrafi	Physics	Sayyed Bushra Sana Chaudhry	Physics	Mobile phone detector
8.	Dr. Tarannum Attar	Physics	Shaikh Nida Shaikh Sana	Physics	Laser light show projector

9.	Dr. Anik Shrivastav	Physics	Momin Aayesha Rangari Rubina Alauddin	Physics	Bioluminescence
10.	Mrs. Tanwin Ashrafi	Physics	Ansari Hera Mumtaz Momin Aniza Jasim	Physics, Chemistry	Wireless Networking Technology
11.	Dr. Anik Shrivastav	Physics	Ansari Rushna Sohail Ansari Asbah Anees	Physics, Chemistry	Green Chemistry
12.	Mrs. Tanwin Ashrafi	Physics	Momin Aayesha Md. Shaikh Nida	Physics	Global Effect of Environmental degradation
13.	Dr. Tarannum Attar	Physics	Quraishi Samreen Iqbal	Physics	Role of Women Scientist in society
14.	Dr. Anik Shrivastav	Physics	Shaikh Alsaba Abdul Qadir	Physics,	HRD- opportunities for Science students
15.	Mrs. Tanwin Ashrafi	Physics	Ansari Saniya Abrar Momin Atufa Aslam	Physics, Chemistry	Digital Revolution in Electronics
16.	Dr. Tarannum Attar	Physics	Chaudhary Sana Fatema	Physics	Spectacular Achievements of Chandrayaan
17.	Mrs. Tanwin Ashrafi	Physics	Shaikh Alsaba Abdul Qadir	Physics	Bioinformatics Opportunities & Challenges
18.	Dr. Tarannum Attar	Physics	Ansari Saima	Physics	RFID Attendance System
19.	Mrs. Tanwin Ashrafi	Physics	Khan Shabnoor	Physics	Gas Detector
20.	Mrs. Tanwin Ashrafi	Physics	Shaikh Nasreen	Physics	Automatic Railway gate control using microcontroller and IR sensor
21.	Dr. Tarannum Attar	Physics	Shaikh Shaista	Physics	Smart Home Automation control system
22.	Dr. Anik Shrivastav	Physics	Momin Monam	Physics	Fingerprint Door Lock system
<b>(IT) 2017-18</b>					
1.	Ms. Ansari Nusrat	IT	Mashhuda Khaton Mohammad Ayyub Shaikh Shama Farheen Mohd Tarique Umme Salma Mohammad Azam	IT	Assembling of Table Lamp using E-Waste.
2.	Ms. Ansari Nusrat	IT	Chaudhri Afsana Ejaz Ansari Kahkashan Begum Iqbal Ahmad Khan Saima Abdul Mabood Khan Yasmeen Bano Siraj Ahmed	IT	Assembling of Air Cooler using E-Waste.
3.	Ms. Ansari Nusrat	IT	Khan Arfa Naaz Shaheryaar Ansari Alisha Kafeel Ahmad	IT	Making of Rechargeable Power Bank using E-Waste

			Shaikh Shifa Zakir Khot Mariya Jabir Ansari Kulsum Tanveer		
4.	Ms. Ansari Nusrat	IT	Siddiqui Saleha Ubaidullah	IT	Making of Fan using rechargeable battery.
5.	Ms. Ansari Nusrat	IT	Momin Safura Mohd Khalil Khan Saima Mohabbat Ali Mandave Sudha Sudhir	IT	Making of Mobile Charger Using E- Waste
6.	Ms. Ansari Nusrat	IT	Narala Pooja Ravindra Badugu Shweta Satish Memon Sana Usman	IT	Water Lamp Model using E-Waste.
7.	Ms. Ansari Nusrat	IT	Momin Salma Bano Irfan Ahmad Taware Samruddhi Prakash Shaikh Sabiha Sorab Siddiqui Anam Parvez	IT	Working Model of Projector using E- Waste.
8.	Ms. Ansari Nusrat	IT	Ansari Sara Abdul Ahad	IT	Creation of Air Cooler using E-Waste
9.	Ms. Ansari Nusrat	IT	Khan Aqsa Jamshed Ahmad Khan Namra Jamshed	IT	Assembly of Fan using E-Waste.
10.	Ms. Ansari Nusrat	IT	Maccha Bhakti Suresh Shaikh Shajrah Mohammad Arshad	IT	Assembly of Pen Holder using E-Waste
11.	Ms. Misbah Momin	IT	Gupta Riya Ramu Khan Sana Usman	IT	E-learning Website
12.	Ms. Misbah Momin	IT	Momin Mushfa Mohammad Arif Shaikh Falak Abullais Kharbe Hafsa Zarrar	IT	IOT Enabled Railway Service (Embedded Project)
13.	Ms. Misbah Momin	IT	Shaikh Sabera Bano Rais Shaikh Taihsin Mohammed Idris	IT	Health Monitoring System (Embedded Project)
14.	Ms. Sara Khot	IT	Ansari Kulsum Shahzaman Ansari Anusha Mumtaz Ansari Samrin Ejaz Ahmed Momin Afa Saud	IT	Working Model of Projector
15.	Ms. Sara Khot	IT	Ansari Shabnoor Bano Iqbal Ahmad Ansari Javeriya Riyaz	IT	Working Model of Solar Panel & Security System

			Shaikh Alfiya Najmuddin		
16.	Ms. Sara Khot	IT	Saiyad Alqama Bano Ashraf Ali Khan Iram Hafeezur Rehman Ansari Ramsha Niyaz Choudhary Sufiya Shakeel	IT	Working Model of Washing Machine
17.	Ms. Sara Khot	IT	Momin Tahoora Hafeezur Rahman Momin Sheeba Mukhtar Ahmed Naziya Parveen Qamrulain	IT	Working Model of Moving Car
18.	Ms. Sara Khot	IT	Ansari Eram Kafeel Ahmad Khan Sobiya Yakub Ansari Faiza Haroon Shaikh Mariya Afzal	IT	Working Model of Vacuum Cleaner
19.	Ms. Sara Khot	IT	Ansari Sana Raza Husain Momin Iqra Bano Riyaz Ahd Ansari Tahreem Qadeem	IT	Working Model of Rain Water Harvesting
20.	Ms. Sara Khot	IT	Shaikh Asar Mohd Farooque Ansari Khadijatul Kubra Niyazuddin Ansari Nurin Bano Muhammad Kamil	IT	Working Model of Hydraulic Crane
21.	Ms. Sara Khot	IT	Hamdule Tehmina Abdul Latif Bahauddin Ekra Shakib Hawai Safa Junaid	IT	Working Model of Generator Saving Electricity
22.	Ms. Sara Khot	IT	Bahauddin Mizab Ammar Shaikh Rozina Moazzam Ali Shaikh Saima Ali Asgar	IT	Working Model of Smart Car with Obstacle Detection
23.	Ms. Sara Khot	IT	Momin Mariyam Mehboob Shah Rozibano Saminuddin Agaskar Nida Jabir Nomani Nashra Arif	IT	Working solar system module
24.	Ms. Sara Khot	IT	Waja Nida Akhlaque Chaudhari Ayesha Hadisullah Sayyed Ayesha	IT	Working Model of Moving Robot

			Qurban Ali Momin Iqra Jamal Aamir		
25.	Ms. Sara Khot	IT	Manchiryal Sapna Sangaiahchhari Pirimilla Navya Ravi Ayyori Priya Mallesham	IT	Working Model of Generator
26.	Ms. Sara Khot	IT	Shaikh Tahseen Mukhtar Ansari Hajra Bano Salahuddin Shaikh Hera Bano Abdul Hakeem	IT	Working Model of Frog Robot
27.	Ms. Tahreen Momin	IT	Shaikh Rozina Moazzam Ali Shaikh Saima	IT	Rosa Café System
<b>(IT) 2018-19</b>					
1.	Ms. Ansari Nusrat	IT	Siddiqui Saleha Momin Safura	IT	Calculating Basic Statistics, Finding Distance matrix, Unique Values, Correlation using Python and R and creating Histogram on datasets of Fire Brigade Incidents, Swachh Bharat Implementation, List of MBBS Doctors and Prevalent Diseases.
2.	Ms. Misbah Momin	IT	Momin Iqra Jamal Aamir Sayyed Ayesha Qurban Ali	IT	Website for: Fitness For U: GMMWC GYMNASIUM
3.	Ms. Misbah Momin	IT	Momin Asfiya Fatima Abdul Qadir Ansari Tahreem Kadeem	IT	B.Sc & IT Sem Solution
4.	Ms. Misbah Momin	IT	Shah Rozi Bano Saminuddin	IT	App For: News Bla
5.	Ms. Misbah Momin	IT	Ansari Hajra Bano Salahuddin Shaikh Hera Bano Abdul Hakeem	IT	App For: Visitor Management System
6.	Ms. Misbah Momin	IT	Shaikh Rozina Moazzam Ali	IT	Entice Home
7.	Ms. Misbah Momin	IT	Bahauddin Ekra Shakib	IT	Android App: EROS COLDRINK HOUSE
8.	Ms. Misbah Momin	IT	Hamdule Tehmina Abdul Latif	IT	Android App: REHMAN KIRANA STORE
9.	Ms. Misbah Momin	IT	Momin TahooraHafizurrahma n Naziya ParveenQamrulain	IT	E_Restaurant With Automated Delivery

10.	Ms. Misbah Momin	IT	Ansari Javeriya Riyaz Shaikh Alfiya Najmuddin	IT	UNIQUE COVER CASE: ICONIC Style COVER (App For Online Mobile Accessories)
<b>(Zoology) 2016-17</b>					
1.	Dr. Nandita Singh	Zoology	Hafsa, Naba, Ayesha, Tuba, Ummama, Lubna	Zoology	Testing of milk adulterants in market sample
2.	Mr. Anis Choudhary	Zoology	T.Y.B.Sc	Zoology, Biotechnology and Chemistry	Epidemiological survey
3.	Mr. Anis Choudhary	Zoology	T.Y.B.Sc	Zoology	Bird watching at Kalyan Fort
4.	Mr. Anis Choudhary	Zoology	S.Y.B.Sc	Zoology, Botany, Chemistry	Vermi composting
<b>(Zoology) 2017-18</b>					
1.	Anis Choudhery	Zoology	Ansari Sara Sarjaraz Shaikh Sadaf Tabrez Momin Aslob Sohail Nadaf Zubiya Noor Momin Mubasshera Zuljeqar Sayyed Saiqua Zuljeqar	Zoology	Impact of addiction of smoking on health in Bhiwandi for age group 40 and above
2.	Anis Choudhery	Zoology	Shaikh Nausheen Shaikh Ifrah Bubere Kunut Khan Farhana Sayyed Noorasaba	Zoology	Gender difference among diabetic population in Bhiwandi
3.	Anis Choudhery	Zoology	Kuwari Zarin Zarah Khot Farah Asmat Bolinjkar Amira Zaheer Patel Tashfa Md. Farhan Rais Tuba Shadab	Zoology	To determine the prevalence of mobile addiction in different age group of children in Bhiwandi below 14 years”.
4.	Anis Choudhery	Zoology	Muqri Zoha Sayyed Nagwah Ansari Misbah Ansari Azala Ansari Zaibunnisa	Zoology	To determine the prevalence of diabetes in rural and urban areas of Bhiwandi”
5.	Anis Choudhery	Zoology	Khan Sabrin Ansari Tasmiya Shad Khan Ayesha M Sabir Ansari Zoha Momin Ayesha	Zoology	To determine impact of power loom Industry on Asthma – Prevalence of Asthma disease in power Loom workers in Bhiwandi
6.	Anis Choudhery	Zoology	Sarkarwale Sabiha hajiwiya Patel Sana Abdullah	Zoology	To determine the prevalence of Insomnia in children and Adults in Bhiwandi

7.	Anis Choudhery	Zoology	Madoo Munazza Ahmed Khateeb Uazela Moazzam Khot Neha Rehan Khadija Noor Mohammad	Zoology	Ginger, Garlic And Potato Extract Induced Biochemical And Microbiological Studies On Nutritional Value And Preservation of Labeo rohita
8.	Anis Choudhery	Zoology	Khan Afreen Mastan Ansari Umme Salma Ansari Sultana Abdul Kalam Ansari Shama Umair Ansari Slama Abdul kalam	Zoology	Prevalence of Malaria in different age groups in Bhiwandi
9.	Dr. Kamran Abbas	Zoology	Momin Fatima Zohra Khan Saba Khanam	Zoology	Soil Analysis of Lakes in Bhiwandi
10.	Dr. Heena	Zoology	Momin Lubna Khan Hafsa	Zoology	Significance of smart roads towards Development of Bhiwandi city – A reflection towards better nation
11.	Ms. Tasmi Ansari	Zoology	Shaikh Rukaiyya Sayyed Shaziya	Zoology	Public awareness of flax seed as home remedy, potential and functional food source
12.	Dr. Kamran Abbas	Zoology	Ansri Mansha Khan Shifa	Zoology	Nutritive values of fishes in lakes of Bhiwandi

**(Zoology) 2018-19**

1.	Dr. Heena Momin	Zoology	48 Beneficiaries	Zoology	Study of ecosystem of Diwanshah pond, Bhiwandi
2.	Anis Choudhery	Zoology	47 Beneficiaries	Zoology	Survey on Health Status most common ailment in Child of Bhiwandi (below 5 years)
3.	Anis Choudhery	Zoology	47 Beneficiaries	Zoology	Survey on Health Status most common ailment in Women of Bhiwandi (18 onward)
4.	Dr. Sumaiya Khatib	Zoology	47 Beneficiaries	Zoology	To study Efficacy of different hand sanitizers against microbial growth.

**(B) INDUSTRIAL VISITS/VISITS**

Sr. No.	Date	Place visited	Participating Department	Beneficiaries
<b>2016-17</b>				
1.	19/11/16	Sawantwadi (Vangani)	Botany	05
2.	21/12/16	Industrial Visit to "Forensic Expo" at Institute of Forensic Science	Chemistry, Botany, Zoology, Physics	51
3.	22/12/16	Industrial Visit at Cosmetology Centre, Vaze College, Mulund	Chemistry, Zoology, Botany	51
4.	22/12/16	Water filtration and Bottling Plant, Thane	Chemistry,	51

			Zoology, Botany	
5.	15/01/17	BPT Garden Sagar Upvan and Veermata Jijabai Udyaan	Botany, Zoology	41
6.	11/02/17	GE Healthcare, Thane.	IT	45
7.	13/02/17	Industrial Visit to Sudhir Power Ltd, Silvassa	Physics, Chemistry	46
<b>2017-2018</b>				
1.	05/07/17	Ecotourism centre ,Vangani	Botany	20
2.	21/ 07/17	Visit to Science Express Train at C.S.T	Physics ,Botany, Zoology, IT, Chemistry	08
3.	21/10/17	Orientation in History for Science students at Rajmachi	Botany, Zoology, Chemistry	22
4.	09/01/18	1) Sagar Upavan,BPT Garden 2) Father Blatter Herbarium(St. Xavier's College, Mumbai)	Botany	33
5.	18/01/18	Orientation in History for Science students at Lohagadh	Botany, Zoology, Chemistry	85
6.	17/02/18	Saguna Baug Agri-Horticultural Centre	Botany	46
<b>2018-2019</b>				
1.	03/10/18	One Day Industrial Visit to GE India, Hiranandani Powai.	IT	46
2.	29/11/18	Dandekar College, Palghar	Botany Dept.	33
3.	04/12/18	Blatter Herbarium (Xaviers College) and Kamala Nehru Park	Botany Dept.	47
4.	04/12/18	Saguna Baug , Neral	Botany Dept.	47
5.	22/02/19	Shrushti Farm, Vashind	Botany Dept.	35
6.	06/02/18	Century Rayon, Shahad	Chemistry, Physics, Botany, Zoology	29
7.	28/12/18	ISRO Space Exhibition, VJTI Exhibition Ground, Mumbai.	IT	7
8.	13/03/19	Study tour-Nehru planetarium, prince of wales museum, Girgaon beach and Nehru Science center	Zoology	59
9.	15/04/19	Proposed Study tour to Nehru Science Centre & Planetarium	Physics, Chemistry	Proposed 30

### (C) Summer Training for Students

Date	Participating departments	Beneficiaries
12/04/2017 to 19/04/2017	Botany, Chemistry, Physics, Zoology, IT	74
21/03/2018 to 28/03/2018	Botany, Chemistry, Physics, Zoology, IT	58

12/04/2017 to 19/04/2017

The Summer School was conducted specially for S.Y.B.Sc students from Botany, Chemistry, Physics, Zoology, Information technology and Biotechnology. Fourteen technical sessions



including invited talks, workshops and hands on training were conducted by eminent personalities from other institutions and our College.

**(12<sup>th</sup> April, 2017 to 19<sup>th</sup> April, 2017)**  
**Programme Schedule**

<b>Date</b>	<b>Technical Session 1</b>	<b>Technical Session 2</b>
12/04/2017	Time: 10.00am to 1.00pm Venue: College Auditorium <b>Hands on “Fascinating Experiments in Science”</b> (Mr. Bhagwan Chakradeo, Retired Head of Physics department, CHM College)	Time: 2.00pm to 3.30pm Venue: College Auditorium <b>Invited Talk “Micro to Macro</b> (Dr. Amol Patwardhan, K.J. Somaiya College)
13/04/2017	Time: 10.00am to 1.00pm Venue: Biotechnology Laboratory <b>Workshop on “Basics and handling of Microscope”</b> (For Botany, Zoology and Biotechnology students) (Dr. Mukesh Pimpliskar, Dept. of Biotechnology, G.M.Momin Women’s College)	Time: 10.00am to 1.00pm Venue: I. T Laboratory <b>Workshop on “Using Software for plotting graphs and data Analysis”</b> (For Physics, Chemistry, I.T students) (Mrs. Tanwin Ashrafi, Dr. Anik Shrivastav, Dept. of Physics, G.M.Momin Women’s College)
14/04/2017	Time: 10.00am to 12.30am Venue: College Auditorium <b>Invited Talk “Medical applications of LASER”</b> (Dr. Arvind Shaligram, Professor and Head dept. of Electronic Sciences, Pune University)	
15/04/2017	Time: 10.00am to 11.30am Venue: College Auditorium <b>Invited Talk “Generating Research Idea”</b> (Dr. Sathe, Retired Head of Chemistry department, Ruia College)	Time: 11.45am to 1.45pm Venue: M.Sc laboratory <b>Workshop on “Chocolate moulding and Cake baking”</b> ( Ms. Hafsa Kharbe, Ms. Tehreem Hamdulay, G.M.Momin Women’s College)
17/04/2017	Time: 10.00am to 11.30am Venue: College Auditorium <b>Invited Talk “ Aquarium setting and ornamental fish”</b> (Dr.Sudesh Rathod, B.N. Bandodkar College)	Time: 11.45am to 2.45pm Venue: Biotechnology Laboratory <b>Hands on Training on Gel Electrophoresis</b> (Dr. Subhashree Ghosh, Dept. of Biotechnology, G.M.Momin Women’s College)
18/04/2017	Time: 10.00am to 12.00noon Venue: College Auditorium <b>Invited Talk “ Chromatin Remodelling factors: The Global regulators of gene expression”</b> (Dr. Sashibhal Pandey, CHM College)	Time: 12.15pm to 1.45pm Venue: College Auditorium <b>Invited Talk “Recent Trends in Nanotechnology”</b> (Mrs. Tarannum Vahid Attar, Dept. of Physics, G.M.Momin Womens College)
	Time: 12.15pm to 2.00pm Venue: Zoology Laboratory <b>Hands on Training on “ Volumetric Measurements in the Laboratory”</b> (Dr. Nandita Singh, Dept. of Zoology Dr. Seema Habib, Dept. of Chemistry, G.M.Momin Women’s College)	

19/04/2017	Time: 10.00am to 11.30am Venue: College Auditorium <b>Invited Talk “Rekindling the spirit of Research”</b> (Dr. Sagarika Damle, K.C College )	Time: 11.45am to 2.15pm Venue: College Auditorium <b>Workshop on “ Origami”</b> (Mr. Jayant Kayal, Dr. Sangurdekar, Mr. Vidyadhar Mhatre, Origami Society, Thane )
	Time: 2.15pm to 2.45pm Venue: College Auditorium <b>Valedictory function</b>	

21/03/2018 to 28/03/2018

This Summer School was conducted specially for S.Y B.Sc students from Botany, Chemistry, Physics, Zoology, Information technology and Biotechnology students. It consisted of total 12 technical sessions including invited talks, workshops, and hands on training sessions by eminent personalities from other institutions. Total number of beneficiaries was 58.

**SUMMER SCHOOL SCHEDULE 2018**  
**21<sup>st</sup> - 28<sup>th</sup> March 2018**

Date	Time	Venue	Event
21/3/2018	10 am - 11.45 am	1	Invited Inaugural talk: Interaction between emr and Matter- A science journey of mankind <b>Dr. Ravi Manohar</b> (Dept. of Physics, BNN College, Bhiwandi)
	12.00-1.30 pm		Screening of movie: Into the universe with Stephen Hawking- The story of everything
22/3/2018	10 am – 11.45 am	1	Invited talk: Effective Presentation Skills (Physics, Chemistry and Mathematics student learners) <b>Dr Sagarika Damle</b> (Dept. of Botany, KC College, Mumbai)
	10 am – 11.45 am	2	Hands on training: Introduction to Bioinformatics (Biotechnology, Botany and Zoology student learners) <b>Dr. Shashibhal Pandey</b> (Dept. of Zoology, CHM College, Ulhasnagar)
	12.00 – 1.30 pm	1	Invited talk- Working and Maintenance of Home Appliances-I <b>Mr. Sayyed Khurshid</b> (Faculty, Kohinoor Technical Institute)
23/3/2018	10 am – 11.30 am	1	Invited talk- Working and Maintenance of Home Appliances-II <b>Mr. Sayyed Khurshid</b> (Faculty, Kohinoor Technical Institute)
	11.45 am – 1.15 pm		Invited talk: Media as a Career Option; Life of Journalists <b>Ms. Madhuri Shiudkar</b> (Ex. Reporter, IBN Lokmat)
24/3/2018	10.30 am – 12.30 pm	3	Invited talk: How to Develop Effective Communication Skills <b>Dr. Fatima Baig</b> (Dept. of English, Maharashtra College, Mumbai)
26/3/2018	10 am - 1pm	1	Workshop on Origami <b>Dr. Jayant Kayal, Dr. Sangurdekar, Mr. Vidyadhar Mhatre</b> (Origami Society, Thane)
27/3/2018	10 am - 11.45 am	1	Invited talk: Smart Materials and their Applications <b>Dr. Pushpinder Bhatia</b> (Vice Principal, Guru Nanak College, Mumbai)
	12.00 – 1.30 pm		Workshops on Maintenance of Computer Hardware and Software Installation <b>Mr. Shravan Kumar Vishwakarma</b> (Faculty, Kohinoor Technical Institute)
28/3/2018	10 am – 11.30 am	1	Hands on Training Session: Basic Knowledge of Mobiles- Operating Systems, Applications Mobile Sensors, Water Damage <b>Mr. Vipul Rawal</b> (Faculty, Kohinoor Technical Institute)

	11.45 am- 12.30 pm		<b>Valedictory Function</b>
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Venue: 1: Auditorium; 2: IT Laboratory; 3: Multipurpose Hall (Extn. Bldg.)

### 7. Training received by faculty from participating Departments :

Sr no	Date	Title	Departments	Name of the Faculty	Organized by
<b>2016-2017</b>					
1	20/02/2017 to 24/02/2017	Software Testing Training	IT	Ms. Misbah Momin	NITTTR, Chandigarh
2	4/03/2017 to 6/03/2017	“Basic Electronic Circuits: Designing and Building”	IT	Mrs. Reshmina Bahauddin	Department of Physics in collaboration with Future Chip Technologies, Pune
3	4/03/2017 to 6/03/2017	“Basic Electronic Circuits: Designing and Building”	IT Physics	Ms. Huma Ansari Ms. Shabana Ansari	Department of Physics in collaboration with Future Chip Technologies, Pune
4		“Biotechnology and Biosciences”	Botany	Ms. Laxmishree Chengala	Aurangabad
5		“Renewable sources of Energy”	Botany	Dr. Archana Gupte	University of Mumbai
6	21/12/2016 to 10/01/2017	“Advances in Biological Sciences”	Botany	Dr. Vaishali Nirmalkar	University of Mumbai
<b>2017-2018</b>					
1.	27/09/2017 to 03/10/2017	R-software in Biological science	Botany	Dr. Ritu Jain	St. Xavier’s College, Mumbai
2.	12/07/2017 to 13/07/2017	Training programme on Applied Bioinformatics	Zoology	1. Ms. Laxmishree Chengala 2. Dr. Archana Gupte 3. Dr. Vaishali Nirmalkar	NIRRH Mumbai
3.	16/06/2017 to 17/06/2017	Training programme on Python	IT	1. Ms. Tehreem Momin	Vikas College, Vikhroli
4.	03/10/2017	PFMS-EAT(Central Sector Scheme) held by Government of India, Ministry of Finance	Chemistry, Physics, IT	1. Mrs. Jayashree Thakre 2. Dr. Tarannum Attar 3. Ansari Nusrat 4. Dr. Subhashree Ghosh 5. Mr. Nadeem	Regional Training Center, Ballard Estate, Mumbai.

				Dhange	
5.	04/12/2017	Regional level training program on “Developing E-content for Effective Teaching)	Botany, Chemistry, Physics, Zoology, IT	All Teachers from Star departments	Department of Physics, G.M. Momin Women’s College
6.	18/12/2017	Hand on training on “Google Drive Operation”	Botany, Chemistry, Physics, Zoology, IT	All Teachers and Non teaching staff from Star departments	G. M. Momin College, Bhiwandi
7.	December 2017	Extraction and Isolation of Phytoconstituents	Botany	Dr. Aqsa Ansari	Institute of Chemical Technology, Matunga, Mumbai
8.	December 2017	Society of Materials Chemistry	Physics	Dr. Tarannum Attar	University of Mumbai- DAE Centre for Excellence in Basic Sciences
9.	December 2017	Changing Academic Library Scene: Upgrading the Skills of Library Support Staff	Library	01 Ms. Rumana Momin Library Attendant	RJ College, Mumbai
10.	13/01/2018	Statistics for Biologists	Botany	1. Dr. Archana Gupte 2. Dr. Aqsa Ansari	St. Xavier’s College, Mumbai
11.	January 2018	Workshop on Human Genetics	Botany	Dr. Ritu Jain	VES College and Lady Tata Memorial Trust , Mumbai
12.	29/01/2018	PFMS- EAT(Central Sector Scheme) held by Government of India, Ministry of Finance	Chemistry, Physics,	3. 1. Mrs. Jayashree Thakre 4. 2. Dr. Tarannum Attar 5. 3. Mr. Nadeem Dhange 6. 4. Fiza Momin	Regional Training Center, Ballard Estate, Mumbai.
13.	February 2018	Teaching sustainable development goals and climate change education for a safer planet	Botany Zoology	1. Prin. Dr. Moses Kolet 2. Mr. Anis Choudhery 3. Dr. Kamran Abbas	Kirti College, Mumbai
14.	February 2018	Embedded System	IT	Ms. Naba Momin	RJ College, Mumbai
15.	16/03/2018	Patenting And Filing a Patent	Physics, Botany	7. 1. Dr. Tarannum Attar 2. Ms. Laxmishree Chengala 3. Dr. Ritu Jain	Satish Pradhan Dnyanasadhana College ,thane

16.	April 2018	Awareness on E-Learning And MOOC's	IT	1. Ansari Nusrat 2. Ms. Tehreem Momin	Birla College, Kalyan
<b>2018-2019</b>					
1.	29/08/2018 to 4/09/2018	A National Hands-on Training Workshop on Innovative Experiments in Biological Sciences for College Teachers	Botany, Zoology	Dr. Vaishali Nirmalkar and Dr. Kamran Abbas Mirza	Ramnarain Ruia Autonomous College, Matunga, Mumbai and Homi Bhabha Research Center for Science Education, TIFR, Mumbai 400 088
2.	05/10/2018 to 08/10/2018.	4th India International Science Festival (IISF) 2018 at Lucknow	Chemistry, Zoology	Dr. Nahid Azam and Dr. Kamran Abbas Mirza	Ministry of Science and Technology
3.	10/08/2018	CII WR Higher Education Summit	Physics	Dr. Tarannum Attar	St Regis Hotel, Lower Parel, Mumbai
4.	07/02/2019	“ Innovation and Incubation”	Physics	Dr. Tarannum Attar	State project Director, RUSA Maharashtra at Guru Nanak Khalsa College of Arts, Science and Commerce, Matunga
5.	01/12/2018 to 31/01/2019	“ Research Paper Writing and Publishing in Referred Journals”	Physics	Mrs. Tanwin Ashrafi	Strategy Academy and Indian Institute of Engineering Science and Technology, Shibpur
6.	29/09/2018	“Advance Class room”	Physics	Mrs. Tanwin Ashrafi	Nikon India Pvt. India at Thane
7.	08/12/2018 to 09/12/2018	Star gazing overnight show	Physics	Dr. Anik Shrivastava	Patil farm Mahuli Asanga
8.	09/02/2019 to 10/02/2019	Star gazing overnight show	Physics	Dr. Anik Shrivastava	Amateur Astronomy Club at Tokawade Ahmad Nagar highway, Kalyan
9.	31/07/2018	“Science Journalism(TCSJ)”	Physics	Dr. Anik Shrivastava	Indian Science Communication Society
10.	11/08/2018	“ Expenditure, Advance and Transfer [EAT] Module of PFMS”	Physics, Botany, Non-Teaching Staff	Ms. Fiza Abdul Lateef Mr. Ataf Kuwari Ms. Shabana Ansari	Ratnam College, Bhandup

11.	07/04/2018	“Awareness on e-learning and MOOCs”	IT	Ms. Ansari Nusrat & Ms. Tahereen Momin.	Birla College
12.	25/08/2018	Training Program on IPR-Patents and its filing.	Botany, Chemistry, Physics, IT, Zoology	All Faculties Botany, Chemistry, Physics, IT, Zoology	Department of Physics, G. M. Momin Women’s College
13.	16/02/2019	Faculty Development Programme.	Botany, IT, Zoology.	Dr. Moses J. Kolet, Ms. Ansari Nusrat, Ms. Tahereen Momin, Ms. Naba Momin & Ms. KanizFatema Ansari, Dr. Ritu Jain, Mrs. Ruby Patel, Ms. Naziya Momin, Dr. Kamran Abbas	AIMS, Azam Campus, Pune
14.	2/04/2019 to 5/04/2019	4 Days Training Programme on Centre of Academic Leadership and Education Management.	IT	Ms. Ansari Nusrat & Ms. Tahereen Momin.	Aligarh Muslim University, Aligarh under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching (MHRD, Govt. of India) in collaboration with AIMS, Azam Campus, Pune
15.	15/02/2019	Electrophoresis	Zoology	Dr. Sumaiya Khatib, Ms. Kahkasha Amol	BNN College
16.	01/12/2018	“Workshop on Office Automation, Document Control and Record Management”	Non-Teaching Staff	Mr. Mushtaq Ali Patel Mr. Naushad Ahmed Mrs. Nazema Khan Mr. Aqdas Bharmal Ms. Rubina Momin Ms. Zarina Momin Ms. Pushpa Paskanti Ms. Fiza Momin	Valia College of Commerce and Arts.

17.	23/01/2019	One Day State Level Workshop on “Role of Non-Teaching staff: Administration and Accounts”	Non-Teaching Staff	Ms. Pushpa Paskanti	K.M Agrawal College of Arts, Commerce and Science
18.	16/12/2018	“International Workshop on “Promotion of Angling as a Sport among Women”	Botany, Chemistry, Physics, IT, Zoology	All Faculties Botany, Chemistry, Physics, IT, Zoology	MSAA, Powai lake, Mumbai
19.	01/02/2019	Flow Cytometry	Botany	Dr. Ritu Jain	K.J. Somaiya College, Mumbai
20.	02/02/2019	Cancer and Stem Cell Research	Botany	Dr. Ritu Jain	K.J. Somaiya College, Mumbai
21.	08/12/18	Use of Quality Improvement tools and Root Cause Analysis Techniques	Physics Botany Zoology	Dr. Tarannum Attar Dr. Vaishali Nirmalkar Dr. Kamran Abbas	National Centre for Quality Management (NCQM)
22.	19/12/18 to 22/12/18	Cellular and Molecular Biology from Gene cloning to Protein expression and Localization	Botany	Ms. C. Laxmishree	UM-DAE centre for excellence in Basic Sciences (Mumbai) University of Mumbai and Dept of Atomic Energy sponsored by Lady Tata Memorial Trust
23.	22/1/19 to 23/1/19	Future Scope of Indian Biosciences and Botany Industry	Zoology	Ms. Tasmi Ansari	Dept. of Botany, K.M. Agrawal College of Arts, Commerce and Science in collaboration with E cell of IIT Kharagpur ( <b>Secure 1st Rank selected for training at IIT Kharagpur</b> )

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

#### A) Exhibitions Organized:

Date	Exhibition organized	Organized by	Participated Students
14/12/2017	<b>Inter-Collegiate Science Carnival 2017</b> 1. (Students from GMMWC 2. CHM College, RKT College, Ulhasnagar, BNN College, Bhiwandi, Mithibai College, Mumbai Sidharth College, Mumbai Aqsa College, Bhiwandi, Ratnam College,	Botany Zoology Chemistry Physics IT	

	Bhandup, participated)		
	1. Display of Science projects and models	Physics	34
	2. Display of Embedded System Projects	Information Technology	05
	3. Cuisine Contest	Zoology	09
	4. Flower Arrangement	Botany	10
	5. Fruit & Vegetable Carving	Botany	25
	6. Painting Competition (e.g. Shell, Pot or Fabrics)	Zoology	12
	7. Chem Rangoli Competition	Chemistry	28
08/08/2018	<b>Zoology Museum Exhibition</b>	Zoology	135
19/09/2018	<b>Posters Exhibition</b> 1. Bioluminescence 2. Wireless Networking Technology 3. Green Chemistry 4. Global Effect of Environmental degradation 5. Role of Women Scientist	Physics	53

#### B) Seminars Organized:

Sr no	Date	Title	Departments	Beneficiaries
1.	10/01/2017	Nobel Prize Series India 'Basic & Applied Research - fostering an innovative environment' and 'Local research - global impact - addressing global challenges'	IT, Chemistry, Botany.	40 students and 7 staff members
2.	15/02/18	Digital Marketing	IT	297
3.	05/01/2018 to 06/01/2018	Emerging trends in Mycotechnology	Botany, Chemistry, Physics, Zoology	200
4.	11/09/2018	Intercollegiate Seminar on Hybrid App Development	IT	40 students from BNN, Vedanta & G.M. Momin Women's College participated
5.	29/01/2019	Live Telecast on "Pariksha Pe Charcha" by Prime Minister-Shri Narendra Modi	IT	49 students and 11 staff members participated
6.	12/02/2019	1. Nanotechnology in Cosmetics 2. Current Affairs in Chemistry	Chemistry	120



**C) Workshops Organized:**

<b>Sr no</b>	<b>Date</b>	<b>Title</b>	<b>Departments</b>	<b>Beneficiaries</b>	<b>Organized by</b>
1.	18/11/16 to 21/11/16	Garden planning and landscaping	Botany, Chemistry Zoology	45	Botany
2.	12/01/17 to 14/01/17	Embedded Programming with Arduino	IT	60	IT
3.	09/02/17	Agarose Gel Electrophoresis	Botany, Chemistry Zoology	50	Botany
4.	16/02/17	Bioinformatics	Botany, Chemistry Zoology	49	Botany
5.	23/02/17	Flower Bouquet and Ikebana	Botany, Chemistry Zoology	70	Botany
6.	28/02/17	Aroma Candles	Botany, Chemistry Zoology	64	Botany
7.	21/01/17	Aquarium designing	Botany, Chemistry Zoology	47	zoology
8.	20/01/17	Wetlands in current scenario	Botany, Chemistry Zoology	54	Zoology & Botany
9.	22/07/2017	Working & Maintenance of Laboratory Equipment	Botany, Chemistry, Physics, Zoology, IT, Neighboring Colleges	58	All Departments under Star departments
10.	26/07/17	Basics of compound microscope	Botany, Chemistry, Physics, Zoology, IT	105	Botany
11.	7,21,24,28/07/2017	Landscape Gardening	Botany	33	Botany
12.	26/07/2017	Fruit & Vegetable Carving	Botany, Chemistry, Physics, Zoology, IT	105	Botany
13.	31/01/2018	Basic concepts of chromatography	Botany, Biotechnology	34	Botany
14.	16/02/2018	Agarose Gel Electrophoresis	Botany, Biotechnology	20	Botany
15.	19/03/18 to 28/03/2018	Basics in Plant Tissue Culture	Botany, Chemistry, Physics, Zoology, IT	11	Botany
16.	3/08/2017	Care, Handling and Maintenance of Microscope	Zoology, Botany , Biotechnology	61	Zoology
17.	18/08/17 to 19/08/2017	Two days Regional level workshop on Bioinformatics	Botany, Chemistry, Zoology,	60	Zoology
18.	02/1/18 to 12/01/2018	Biostatistics Lecture Series	Botany, Chemistry, Zoology, Mathematics	36	Zoology
19.	13/01/2018	One day Regional level workshop on Biostatistics	Botany, Chemistry, Zoology, Mathematics	45	Zoology
20.	19/09/2017	Regional workshop on “ Learning Science through	Botany, Chemistry, Physics, Zoology, IT, Neighboring Colleges	105(GMMWC) 17(Sister Colleges and	Physics

		Innovative and Fascinating Experiments in Physics”		Schools)	
21.	05/12/2017 & 06/12/2017	Workshop on “Designing of E-poster” (Batch-I)	Botany, Chemistry, Physics, Zoology, IT	47	Physics
22.	03/04/2018	Aroma Candles	Botany, Chemistry, Physics, Zoology, IT	40	Botany
23.	19/06/2018 to 22/06/2018	Southern Blotting	Botany	10	Botany
24.	29/09/2018	How to manage stress	Botany	86	Botany
25.	13/12/2018	SDS PAGE	Botany Biotechnology Zoology	43	Botany
26.	13,14,15/02/2019	Research Methodology	Botany	86	Botany
27.	28/03/2019	Algal Herbarium	Botany. Biotechnology Zoology	50	Botany
28.	13/08/2018	Science Enrichment through “Innovative experiments”	Physics	143	Physics
29.	05/09/2018	Avishkar Research Convention	Physics	137	Physics
30.	28,29/09/2018	2-Days Intercollegiate Robotics Workshop on “Internet of Things”	IT	42 students from Wada College, BNN College, Konark Ideal College, and G. M. Momin Women’s College participated.	IT
31.	22/01/2019	One-Day Intensive Workshop on “Machine Learning, Artificial Intelligence and Data Science”	IT	95 students & 5 staff members attended.	IT
32.	01/09/2018	Magical Muscles	Zoology	34	Zoology
33.	18/07/2018	QR coding	Zoology	120	Zoology
34.	08/08/2018	Blood Group Test	Zoology	47	Zoology

35.	20/10/18	How to write resume and How to crack interviews	Botany Zoology Chemistry Physics IT	150	Physics and IT
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**D) Trainings Organized:**

<b>Sr no</b>	<b>Date</b>	<b>Title</b>	<b>Departments</b>	<b>Beneficiaries</b>	<b>Organizing Department</b>
1.	04/03/17 to 06/03/17	Hands on Training on “Basic Electronics Circuit: Designing and Building”	Physics	71	Physics
2.	6/02/17	Career Opportunities & Emerging Trends in IT by Allana Institute of Management Sciences, Pune.	IT	118	IT
3.	20/03/17 to 22/03/17	Ethical Hacking & IT Security	IT	100	IT
4.	05/08/2017	Seed bombing	Botany ,Zoology, Chemistry	33	Zoology
5.	04/12/2017	Regional level training program on “Developing E-content for Effective Teaching)	All faculty	50(GMMWC) 01(Sister college)	Physics
6.	25/08/2018	Training program on “Intellectual property rights- patents and its filing”	Botany, Chemistry, Physics, IT, Zoology	57	Physics
7.	30/08/2018	Cyber Security	IT	54	IT
8.	22/12/2018	Brands as an intangible asset for Companies	IT, Biotechnology, BMS and B.Sc	80	Botany
9.	05/01/2019	IPR : Intellectual Property Rights	IT, Biotechnology, BMS and B.Sc	53	Botany
10.	13/02/2019	Research Methodology	B.Sc, B.Sc ID, Biotechnology	162	Botany

### E) Competitions organized

Sr. No	Date	Department Activity	Number of students participated/Beneficiaries
1.	17/01/2017	Power Point & Quiz Competition	71
2.	29/07/2017	Power Point Competition	14(attended and presented) 51(only Attended)
3.	29/07/2017	Science Quiz	90
4.	18/08/2017	Interdisciplinary Poster Competition	29
5.	01/03/2019	Flower Arrangement Greeting Card making Creative Rice preparation	35
6.	11/09/2018	Chemistry Quiz Competition.	32
7.	11/09/2018	Chemistry Poster Making Competition	33
8.	11/09/2018	Chem Rangoli Competition	28
9.	11/09/2018	Lab Coat Painting Competition	10
10.	12/02/2018	Chem Cross Word	52
11.	12/02/2018	Oral Presentation Nanotechnology in Cosmetics. Current Affairs in Chemistry. History of Chemistry.	05
12.	12/02/2018	Chem Housie	84
13.	12/02/2018	Chem Shayri	04
14.	12/02/2018	Chem Song	01
15.	01/09/2018	Quiz Competition	65
16.	19/09/2018	Poster Competition	53
17.	19/09/2018	Power Point Competition	35
18.	29/01/2019	Bait Bazi Competition (Season II)	123
19.	24/07/2018	Competition-	32

		“Expressions Online”— Create your own Emoji	
20.	25,26/02/2019	IT IDOL 2018-2019	85
21.	08/08/2018	Intercollegiate Poster and Video Clip Contest	100
22.	11/09/2018	Intercollegiate Competition- “Show us your spark” events- Typography, e-poster with topics: Ban Plastic Bag & Stop Food Waste.	94

**(F) Outreach Activities:**

Sr. No.	Date	Title	Organized by	Beneficiaries
1.	31/01/2018	Sky Observation activity :with special reference to Supermoon	Physics	137(GMMWC) 47(Sister School and College)
2.	30/06/2017	Screening of film “ Hidden Figures” at Dost House, U.S Consulate General, Mumbai	Physics ,Botany, Zoology, IT, Chemistry	41(Students) 05(Teachers)
3.	03/12/2018	Sky Observation activity.	Physics	Sister School and College
4.	18/03/2019	National Science Day (Two eminent guests were Dr. Sunil Kumar Deshmukh, eminent Mycologist and Fellow and Area Convenor, TERI -Deakin Nano Biotechnology Centre and Mr. Sanket Ganiga, National Level winner, Avishkar Research Convention. Dr. Deshmukh addressed the gathering with his inspirational talk to the students. Power point, Poster and Model presentations were done)	Botany IT Biotechnology Zoology	80
5.	18/08/2018	Realistic approach towards plants (School students were given hands on training on Microscope to observe the real specimens of algae, fungi, bacteria and various medicinal plants were showed and its importance given)	Botany	69

6.	02/02/2019	Participation in International Pen festival at Nehru Centre organized as part of “ Kaifi Azmi Centenary”	Physics, IT	22
7.	09/10/2018 to 04/02/2019	Cyber Security Awareness	Dept. of IT in collaboration with QuickHeal Foundation	11,617 students
8.	29/09/2018	Alumni meet (Students of the year 15-16 were called and feedback was collected regarding star activity)	Zoology	20
9.	08/08/2018	International “Cat Day Celebration”	Zoology	100
10.	20/03/2019	World sparrow day	Zoology	40
11.	08/08/2018	Zoology Museum exhibition for the Community children	Zoology	135
12.	18/12/2018	Academic Calender	Botany Zoology Chemistry Physics IT	
13.	15/12/18	Adopted Padgha School	Chemistry Physics	Interacted and trained students and teachers in quality enhancement
14.	15/12/18	Arranged Rally on “Save energy” and “No Food Waste” Posters were prepared, performed street play at three different locations for awareness of the people.	Botany Biotechnology IT	100
15.	01/12/18	‘World AIDS Day’ was observed Awareness lecture on AIDS: Symptoms, Causes, Effect and Prevention. Posters were presented and Street Play was also organized to aware our students regarding this deadly disease.	Chemistry Botany Zoology IT Biotechnology	40
16.	27/11/18	Rubella virus vaccination programme with BNCCMC	Zoology	50
17.	3/12/18	Sky observation in neighboring Schools	Physics	150
18.	23/11/2018	Our students extended a helping hand by volunteering an exhibition on “Multipurpose Medicinal Plants and wet waste Bio-Composting” organized by	Botany	08 student volunteers

		HARIYALI, Mulund Vibhag and BMC –T ward		
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**9. Name, designation, host institute of guest faculty invited :**

<b>Sr. No.</b>	<b>Name of the Guest</b>	<b>Designation</b>	<b>Host Institute of Guest faculty</b>
<b>2016-17</b>			
1	Mr. Bhagwan Chakradeo	Retired Head, Department of Physics	C.H.M College, Ulhasnagar
2	Dr. Amol Patwardhan	Assistant Professor, Department of Zoology	K. J. Somaiya College, Mumbai
3	Dr. Arvind Shaligram	Professor and Head, Department of Electronic Sciences	Savitribai Phule Pune University, Pune
4	Dr. P. A. Sathe	Retired Head, Department of Chemistry	Ruia College, Mumbai
5	Dr. Sudesh Rathod	Associate Professor, Department of Zoology	B. N. Bandodkar College, Thane
6	Dr. Sashibhal Pandey	Assistant Professor, Department of Zoology	C.H.M College, Ulhasnagar
7	Dr. Sagarika Damle	Associate Professor, Department of Botany	K.C College, Mumbai
8	Dr. Sangurdekar	Retired Professor, BARC	Origami Society, Thane
9	Mr. Jayant Kayal	Teacher	Origami Society, Thane
10	Mr. Vidyadhar Mhatre	Teacher	Origami Society, Thane
11	Dr. Tanaji Bansode	Assistant Professor, Department of Chemistry	B.N.N College, Bhiwandi
12	Dr. Kalpana Jain	Associate Professor and Head, Department of Chemistry	B.N.N College, Bhiwandi
13	Dr. Sujata Deshpande	Assistant Professor	Xavier's College, Mumbai
14	Mr. Pradeep Nayak	President, Khagol Mandal	Khagol Mandal
15	Dr. Mahendra Khandpekar	Associate Professor, Materials Research Laboratory	Birla college, Kalyan
16	Mr. Avinash Lewis	Engineer	UN Representative
17	Mr. Navneet Bhoir	Assistant Professor, Department of Information Technology	B. N. Bandodkar College
18	Ms. Afrin Ansari	Assistant Professor, Department of Mathematics	B.N.N College, Bhiwandi
19	Dr. Dilip Kakavipure	Associate Professor, Department of Zoology	B.N.N College, Bhiwandi
20	Mr. Abhijit Simon	Lecturer	B.N.N Jr. College, Bhiwandi
21	Dr. Kalpana Patankar Jain	Associate Professor, Department of Chemistry	B.N.N College, Bhiwandi
<b>2017-18</b>			
22	Dr. Meenakshi Vaidya	Associate Professor Department of Botany	Mithibai College, Vile Parle, Mumbai
23	Mr. Bhagwan	Retired Head of Department of	CHM College, Ulhasnagar

	Chakradeo	Physics	
24	Dr. Ravi Manohar	Asst. Professor Dept. of Physics	BNN College, Bhiwandi
25	Dr Sagarika Damle	Star Coordinator, Head Dept. of Botany	KC College, Mumbai
26	Dr. Shashibhal Pandey	Asst. Professor Dept. of Zoology	CHM College, Ulhasnagar
27	Mr. Sayyed Khurshid	Technical Staff	Kohinoor Technical Institute
28	Mr. Shravan Kumar Vishwakarma	Technical Staff	Kohinoor Technical Institute
29	Mr. Vipul Rawal	Technical Staff	Kohinoor Technical Institute
30	Ms. Madhuri Shiudkar	Ex. Reporter	IBN Lokmat
31	Dr. Fatima Baig	Asst. Professor Dept. of English	Maharashtra College, Mumbai
32	Dr. Jayant Kayal, Dr. Sangurdekar, Mr. Vidyadhar Mhatre	Ex-Scientist, BARC, Mumbai Teacher Teacher	Origami Society, Thane
33	Dr. Pushpinder Bhatia	Vice Principal & Head of dept. of Physics	Guru Nanak College, Mumbai
34	Mr. Shravan Kumar Vishwakarma	Faculty	Kohinoor Technical Institute
35	Mr. Vipul Rawal	Faculty	Kohinoor Technical Institute
36	Mr. Rameshwar Vishwakarma	Assistant Professor (M.Sc. (Mathematics), SET, NET)	-
37	Ms. Afreen Ansari	Assistant Professor Dept. of Mathematics	BNN College, Bhiwandi
38	Dr. Pushparaj Shetty	Assistant Professor	SIES college, Mumbai
39	Dr. Abdul Qyuaium Ansari	Head of Botany Department, Associate Professor	Maharashtra College, Mumbai
40	Dr. Nitin Wasnik	Assistant Professor, Dept. of Botany	Ruparel College, Mumbai
41	Dr. Dilip Kakvipure	Assistant Professor, Dept. of Botany	BNN College, Bhiwandi
42	Dr. Sarda Vaidya	Assistant Professor, Dept. of Botany	CHM College
43	Dr. Ajit Kenger	Assistant Professor, Dept. of Botany	Vaze Kelkar College
44	Prin. Oneza Farid	Principal	Aqsa College
45	Dr. Kantilal Nagre	Assistant Professor, Dept. of Zoology	Birla College, Kalyan
46	Prof. Rishi Acharya	Principal	P A Inamdar College of



			Visual Effects, Pune
47	Mr. Tahir Khan	Head Value Addition Program	P A Inamdar College of Visual Effects, Pune
48	Mr. Rahat Khan	Expert	EDKITS
49	Mr. Arif Shaikh	Senior Engineer	GE
50	Mr. Murtaz Mastim	Software Architect	GE
51	Dr. P. Lakshminarasimhan	Director	Botanical Survey of India, Western Zone Office, Pune
52	Prof. B. F. Rodrigues	Professor , Dept. of Botany	Goa University, Goa
53	Dr. Sashirekha Sureshkumar	President, Associate Professor and Head dept. of Botany	MSI (Mumbai Unit) Mithibai College
54	Dr. Kiran Randive	Asst. Professor Department of Botany	Waghire College, Saswad, Dist. Pune
55	Dr. Sanjay Singh	Scientist	Agharkar Research Institute, Pune
56	V. Mohan	Scientist – G	Forest Protection Division, Institute of Forest Genetics and Tree Breeding, Coimbatore
57	Dr. M.C. Srinivasan,	Former Head	Biochemical Sciences Division, National Chemical Laboratory, PUNE
58	Dr. Shilpa Verekar,	Scientist and food Technologist	Merieux Nutrisciences, Mumbai
59	Dr. U. N. Bhale	Associate Professor, Department of Botany	Arts, Science and Commerce College, Naldurg, Tq. Tuljapur Dist. Osmanabad
60	Dr. R. M. Mulani,	Registrar & Associate Professor Dept. of Botany	Swami Ramanand Teerth Marathwada University Campus, Nanded -431606, Maharashtra
61	Dr. Sunil Kumar Deshmukh	Scientist	TERI ,Gurgaon, New Delhi
62	Dr. Rajendra Shinde	Professor dept. of Botany & Director Father Blatter Herbarium	St. Xavier's College
63	Mr. Avinash Lewis	Sr. Engineer	UN Representative

**2018-19**

<b>Sr. No.</b>	<b>Name of the Guest</b>	<b>Designation</b>	<b>Host Institute of Guest faculty</b>
64.	Dr. Sunil Kumar Deshmukh	Eminent Mycologist and Fellow and Area Convenor,	TERI -Deakin Nano Biotechnology Centre

65.	Dr. N.K. Sharma	Scientist	BARC,Trombay
66.	Mr. Bhagwan Chakradeo	Retired HOD of Physics	CHM College
67.	Adv. Suyash Pradhan	Advocate	DyanSadhana College, Thane
68.	Dr. Sidhi Vinayak Barve	OSD, Avishkar Research Convention	University of Mumbai
69.	Dr. SasiKumar Memon	Asso. Professor	Institute for Advanced Training and Research in Interdisciplinary Sciences, Sion
70.	Dr. Deepak Raverkar	Asso. Professor	C.D Deshmukh College, Roha
71.	Dr. Shashikant Mhanulkar	Asso. Professor	B.N.N College
72.	Dr. Bhushan Langi	Zonal Coordinator, Thane district	DyanSadhana College, Thane
73.	Mr. Vicky Pal	Software Developer	The AppBantai
74.	Mr. Nikitesh Panjabi	Software Developer	The AppBantai
75.	Mr. Arif Shaikh	Senior Engineer	GE Oil & Gas
76.	Mr. Murtaz Mastim	Software Architect	GE Oil & Gas
77.	Mr. Vaseem Ansari	Deputy General Manager	Reliance Telecommunication
78.	Mr. Saad Khatimiti	Software Engineer	GE Oil & Gas
79.	Dr. R. Ganesan	Director	AIMS, Pune.
80.	Dr. Ashfak Shaikh	(HOD-MCA Dept)	AIMS, Pune.
81.	Mr. Pankaj Kulkarni	Assistant Professor (MCA)	AIMS, Pune.
82.	Ms. Sadaf Karim	Assistant Professor (MBA)	AIMS, Pune.
83.	Mr. Mohammad Nasim	Technology Lead	Capgemini, Airoli.
84.	Ms. Anam Ansari	Consultant	Capgemini, Airoli.
85.	Mr. Nayab Falke	Deputy Manager	CCIL, RBI.
86.	Mrs. Navdeep Kaur	Director/Software Testing Trainer,	QUASTECH, Thane.
87.	Mr. Tarif Pathan	Business Development Executive	QUASTECH, Thane.
88.	Ms. Zainab Farid	SQL Developer/ Analyst.	Mckesson, Marietta, Georgia, United States.
89.	Ms. Sugandha Dani	Executive CSR	Quick Heal Foundation.
90.	Dr. Kiran Pariya	Assistant Professor	B.N. Bandorkar College , Thane
91.	Dr. D. Kakvipure	Assistant Professor	BNN College Bhiwandi
92.	Dr. Swarna Rawal	Assistant Professor	BNN College , Bhiwandi
93.	Dr.Bhavana Patil	Associate Professor and Head,	Agrawal College, Kalyan

		Department of Chemistry,	
94.	Dr.D.N.Shinde	Associate Professor Department of Chemistry	B.N.N College, Bhiwandi
95.	Dr. Kiran Pariya	Asst. Prof.	B.N. Bandodkar College , Thane
96.	Dr. D. Kakvipure	Asso. Prof.	BNN College Bhiwandi
97.	Dr. Swarna Rawal	Asso. Prof.	BNN College , Bhiwandi
98.	Mr. Iftekhar Shaikh	IT Lab Assistant	G. M. Momin Women's College
99.	Mr. Aqdas Momin	IT Lab Attendant	G. M. Momin Women's College

#### 10. Date of Advisory committee meeting:

Sr. No	Date	Departments	External Experts	DBT Representative
<b>2016-17</b>				
1	17/11/2016	Chemistry, Botany, Zoology, Physics, IT	---	----
2	22/11/2016	Chemistry, Botany, Zoology, Physics, IT	---	----
3	24/12/2016	Chemistry, Botany, Zoology, Physics, IT	---	----
4	28/01/2017	Chemistry, Botany, Zoology, Physics, IT	Dr. Avinash Levis	----
5	07/03/2017	Chemistry, Botany, Zoology, Physics, IT	---	----
6	10/02/2017	Chemistry, Botany, Zoology, Physics, IT	---	----
7	11/03/2017	Chemistry, Botany, Zoology, Physics, IT	Dr. Avinash Lewis, Dr. S. K. Deshmukh	Dr. Suman Govil
8	14/04/2017	Physics, Chemistry, IT	Dr. Arvind Shaligram	----
<b>2017-18</b>				
1	08/06/2017	Chemistry, Botany, Zoology, Physics, IT	-	----
2	15/06/2017	Chemistry, Botany, Zoology, Physics, IT	-	----
3	09/09/2017	Chemistry, Botany, Zoology, Physics, IT	Dr. Rajendra Shinde Mr. Avinash Lewis Dr. Sunil Kumar Deshmukh	----
4	09/11/2017	Chemistry, Botany, Zoology, Physics, IT	--	----
5	11/12/2017	Chemistry, Botany, Zoology, Physics, IT	-	----
6	20/03/2018	Chemistry, Botany, Zoology, Physics, IT	-	----
<b>2018-19</b>				
1	19/06/2018	All Star Departments	-	-
2	22/06/2018	All Star Departments	-	-
3	22/07/2018	Physics	-	-

4	04/09/2018	Zoology	-	-
5	19/11/2018	Physics	-	-
6	22/11/2018	Physics	-	-
7	03/12/2018	Zoology	-	-
8	05/01/2019	Physics	-	-
9	22/02/2019	Physics	-	-
10	13/03/2019	Botany	Dept Incharge	-
11	18/03/2019	All Star Departments	Dr. Sunil Deshmukh	-
12	08/04/2019	All Star Departments	Principal, Star Coordinator	-

### Minutes of the meeting Annexure I

#### 11. List of new Practicals /demonstrations introduced in different departments in last three years: 2016-17, 2017-18, 2018-19.

Sr. No.	New Practicals /demonstrations introduced	Department
<b>2016-17</b>		
1.	Determine the solute potential of Plant Tissue by Plasmolytic Method	Botany
2.	Modification of Root and Stem	
3.	Gram Staining of Bacteria	
4.	Chloride Uptake	
5.	Morphology of Fruits	
6.	Aseptic Techniques in Microbiology	
7.	Field Training in Plant Taxonomy	
8.	Hills Reaction	
9.	Preparation of Jam	
10.	Estimation of Total Soluble Salt from soil	
11.	Study of Sewage by serial dilution method	
12.	Biochemical Analysis of Pollen	
13.	Handling media & aseptic techniques	
<b>2017-18</b>		
1.	Modifications of Root & Stem	Botany
2.	Determination of Chloride uptake	
3.	Gram Staining of Bacteria	
4.	Morphology of Fruits	
5.	Aseptic Techniques in Microbiology	
6.	Hill's Reaction	
7.	Estimation of Total Soluble Salt from soil	
8.	Pouring Techniques for media	
9.	Garden Techniques ( Propagating techniques)	
10.	Jam Preparation & Squash Preparation	
11.	Estimation of protein by Lowry Method	
12.	Determination of total Carbohydrates by Anthrone method	
<b>2018-19</b>		

Sr. No.	New Practicals/demonstrations introduced	
1.	Determination Chloride uptake	Botany
2.	Determination of solute potential by Plasmolytic methods	
3.	Gram staining	
4.	Modification of Roots and stem	
5.	Timber yielding plants	
6.	Garden propagation and equipments	
7.	Repotting, Potting and Composting	
8.	Hill's reaction	
9.	Morphology of Fruits	
10.	Aseptic Technique Microbiology	
11.	Handling Media	
12.	Field training in plant taxonomy	
13.	Herbs used for cooking and medicinal purpose	
14.	Estimation of total soluble salts from soil	
15.	Therapeutic terms	
16.	Therapeutic terms	
17.	Handling of Spectrophotometer	
18.	Handling media & aseptic technique Biochemical Analysis of Pollen	
19.	Study of Sewage by serial dilution method	
20.	Preparation of buffer solutions	
<b>2016-17</b>		
1.	pH of Soil Sample	Chemistry
2.	Bromination of Acetophenone	
3.	Calibration of Pipettes	
4.	pH and Conductance of different fruit juices	
5.	Acetic Acid in pickles	
6.	Lactose in Milk	
7.	Iodination of Acetophenone	
8.	Phthalic anhydride from phthalic acid	
<b>2017-18</b>		
1.	Determination of Lactose in milk	Chemistry
2.	Preparation of standard solution	
3.	Calibration of Burette and pipette	
4.	Preparation of paracetamol	
5.	To determine Rancidity of oils collected from Various kitchens.	
6.	To determine the pH & conductance of soil sample.	
7.	To determine percentage of Chloride in Rock salt sample.	
8.	To determine the amount of protein from egg samples.	
9.	Analysis of Cu-Ni alloy.	
10.	Analysis of Aspirin Conductometrically.	
11.	To determine nitrate & chloride content in water sample colorimetrically.	
12.	Synthesis of Tri (Thiourea) Cu (I) sulphate and find out % of Cu in the complex.	
13.	Estimation of carbohydrate by Benedict's quantitative method.	
14.	Estimation the amount of Aluminum present in alum available in market.	
<b>2018-19</b>		
1.	N-acylation of P-Toluidine	Chemistry
2.	O- acylation of $\beta$ -naphthol	
3.	Preparation of Cu dimethyl sulfoxide,nickel DMG complexes	

4.	Calibration of a 10cm <sup>3</sup> Pipettes, vol. flask by Weighing At Room Temperature	
5.	Preparation of 4N HCl and 4N NaOH solution & dilution to various concentration	
6.	Standardization of 4N NaOH and 4N HCl	
7.	To Find The Conductance of Different Soil Samples	
8.	To determine the acidity of soil samples	
9.	o determine the alkalinity of soil samples	
10.	Estimation of Calcium Content in Different Food Sample	
11.	Project on carbonyl compounds	
12.	Analysis of water samples	
13.	To Analysis industrial water sample	
14.	To determine the pH of soil samples	
<b>2016-17</b>		
1.	Variation of angle of incidence and angle of deviation	Physics
2.	Transistor input and output characteristics in CE mode	
3.	OPAMP as Comparator	
4.	Determination of width of Narrow Slit by Diffraction Rings method	
5.	D/A converter using weighted resistor network	
6.	Determination of Fourier Spectra of square wave, triangular wave, sinusoidal wave using CRO	
<b>2017-18</b>		
1.	Synthesis of Nanoparticles by co-precipitation method	Physics
2.	Determination of Fourier Spectra of square wave, triangular wave, sinusoidal wave using CRO	
3.	D/A converter using weighted resistor network	
4.	OPAMP as Comparator	
5.	Determination of width of narrow slit by studying diffraction fringes produced by it	
6.	(Energy Meter) To study the working of household energy meter and to determine the power consumption of some electric appliances	
7.	(Electric Vibrator) To find frequency of A.C supply using an electric vibrator	
8.	Verification of Stefan's law	
9.	Transistor CE characteristics	
10.	To find e/m by J.P Thomson method	
11.	To draw Phasor Diagram and to determine loss factor of the capacitor in series CR circuit	
12.	To implement a given circuit and to study the o/p and i/p relationship	
<b>2018-19</b>		
1.	To study subroutine MODIDT	Physics
2.	To study subroutines MODIDT +RKBD	
3.	To study Hexa decimal addition using subroutines MODIDT +RKBD	
4.	To verify superposition theorem	
5.	Simulation of Radioactive decay using OPAMP	
6.	R.P of telescope	
7.	Verification of Laws and theorems of Boolean algebra using NAND gates	
8.	Matrix multiplication with C	
<b>2016-17</b>		
1	Milk adulteration Test For Starch, Urea And Sugar	Zoology

2	Sugar and Fat Present in the Food	
3	Estimation of Vitamin C from the Given Food (Juice) Sample	
<b>2017-18</b>		
1	Milk Adulteration and its detection	
<b>2018-19</b>		
1.	Testing of Food and soft drinks for pH, lead content and free CO <sub>2</sub>	Zoology
2.	Qualitative Milk testing for Milk adulterants	
3.	Demonstration and training for Blood group testing	
4.	Qualitative Testing of Edible oils for lipid solubility (Olive Oil and coconut oil)	
5.	Hands on training on Qualitative Estimation of Reducing sugar from commercially available fruit juices	
6.	Practical of Heavy metal in water by flame photometer	
<b>2016-17</b>		
1.	Operator Overloading with Friend Function(Unary)	Information Technology
2.	Operator Overloading with Friend Function(Binary)	
3.	Research Study on Standards like EPEAT, EPA, ICAR, StEP, LEED, Europe RoHS, China RoHS, BAN, IGBC, WEEE.	
4.	Greeting Card Making using Photoshop	
5.	Blink a LED using Arduino Uno.	
6.	Driving an RGB LED using Arduino Uno.	
7.	Raster Calculator	
8.	To perform Network Analysis	
9.	Case Study for preparing Use Case Diagram on Library Management System.	
<b>2017-18</b>		
1.	To perform advanced Linux Commands.	Information Technology
2.	To print "hello world" in different color & also blink the text.	
3.	To understand the operation of BCD to Xs-3 code convertor. To understand the operation of 2-bit comparator.	
4.	To configure DHCP,DNS and Email Server on packet tracer.	
5.	WAP for the widget type and configuration options to experiment with other widget types like Message, Button, Entry, Checkbutton, Label, Scale, etc.	
6.	Create a button called "science". When you click on the button it should provide the information of animals related to science (animals) Create a button called "bank". When you click on the button it should provide information of all types of account.	
7.	To run an AutoIT Script.	
8.	Write a program using JTree with at least 3 Tree Nodes and sub nodes, JPROGRESSBAR with button and label.	
9.	To perform shell programming in C and C++.	
10.	Creating Table with CSS.	
11.	Creation of Website HomePage.	
12.	To perform Research Study on Green Computing Standards.	
13.	Write a subroutine which will perform same as DAA	
14.	To perform Remote Desktop Connection.	
15.	To perform Multiple Plotting Using Scilab.	
16.	To Implement temperature controller.	
17.	Write a program in C to make a digital clock using graphic	
18.	Creation of Gantt Chart.	

19.	To create Pie Chart Using R.	
20.	To perform Static Routing using Cisco Packet Tracer.	
21.	Creating Oracle Module	
22.	To perform descriptive statistics using software	
23.	Creation of dynamic Dashboard using MS Excel.	
<b>2018-19</b>		
1.	Create a XML document for student database and apply the stylesheet effects and display on webpage.	Information Technology
2.	Web designing module 1.	
3.	Web designing module 2	
4.	Web designing module 3.	
5.	Robot Navigation using Net Beans IDE	
6.	Testing Tool: AutoIT.	
7.	Types of Defects.	
8.	Study of QGIS Browser	
9.	Write PL/ SQL Block for printing the table of a number.	
10.	Write a program to illustrate the concept of multipage.	
11.	Implement Temperature controller by interfacing AT89C51 with ADC0808/0809	
12.	Creating Pi Chart Using R.	
13.	Case Study on different versions of Android Operating System.	
14.	Design serial-in serial-out, parallel-in parallel-out shift registers using IC 7474.	
15.	To understand the operation of a BCD to Excess-3 Code Converter	
16.	To understand the operation of Two Bit Comparator	
17.	Write a sub routine to perform task of DAA, without using DAA instruction.	
18.	To perform Remote Desktop Connection using Windows in-built software, TeamViewer and Any Desk Softwares.	

**12. Details of equipment purchased in each department from DBT grant.(item, no., cost, date of order placed, purchase/installation) Annexure**

(A) Items purchased under **Non-Recurring grant** by all participating departments: **Annexure 1I**

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

(A) **Details of Books purchased:**

Sr. No.	Title of the book
<b>2016-17</b>	
1.	Algae & Bryophyte
2.	Botany For Degree Students
3.	Botany For Degree Students
4.	Modern Practical in Botany Vol.1
5.	Modern Practical In Botany Vol. 3
6.	Practical- Botany B. Sc.
7.	Practical- Taxonomy of Angiosperm
8.	Text Book of Pharmacognosy & Phytochemistry
9.	Botany
10.	Fundamentals of Botany
11.	College Botany Vol.2
12.	Botany for Degree Students Algae



13.	College Organic chemistry (3 text books)
14.	College Inorganic Chemistry (3 text books)
15.	College Physical Chemistry (3 text books)
16.	College Inorganic chemistry
17.	Inorganic chemistry
18.	Organic chemistry
19.	Basic Principles in Physical Chemistry
20.	Group theory and its application in chemistry
21.	Advanced Organic Chemistry
22.	Mhajan's Method In Biostatistics For Medical Students And Research Workers
23.	Cell Biology
24.	Invertebrate Zoology
25.	Human Physiology Vol. 2
26.	A Manual Of Practical Zoology - Invertebrates
27.	Practical Zoology Invertebrate
28.	Biostatistics- Basic Concepts And Methodology
29.	Human Physiology Vol. 1
30.	College Zoology Vol. 1
31.	Practical Zoology Chordate
32.	Vertebrate- Comparative Anatomy, Function, Evolution
33.	Applied Mathematics-IV sem VI
34.	Object Oriented Programming
35.	Microprocessor Architecture
36.	Numerical & Statistical Methods
37.	Communication Skill
38.	Communication Skill
39.	Numerical & Statistical Methods
40.	Digital Image Processing
41.	HTML5:step by step
42.	Oracle Warehouse Builder 11g RZ
43.	Object Oriented Programming with C++
44.	Electrical Technology
45.	Classical Mechanics, 3 <sup>rd</sup> edition
46.	Fundamentals of Physics, 6 <sup>th</sup> Edition
47.	Textbook of medical Physiology
48.	Material Science and Engineering, 6 <sup>th</sup> Edition
49.	Electronic Devices and Circuits
50.	Communication Electronic Principles and Application 3 <sup>rd</sup> Edition
51.	Electronic Communication Systems 4 <sup>th</sup> Edition
52.	Concept of Physics
53.	Modern Digital Electronics, 4 <sup>th</sup> Edition
54.	Modern Physics Concepts and Application
55.	B.Sc Practical Physics 19 <sup>th</sup> Edition
56.	Physics Vol.1 5 <sup>th</sup> Edition
57.	71 Electrical & Electronic Project
58.	71+10 Science Project
59.	Concept of Physics Vol.2
60.	Concept of Physics Vol.1
61.	Heat Thermodynamics & Statistical Physics
62.	Higher Engineering Mathematical
63.	Optics (P.B)

64.	Schaum's outlines Vector Analysis, 2 <sup>nd</sup> Edition
65.	Textbook of Optics (C-306)
<b>2017-18</b>	
1.	Stereochemistry Of Organic Compound
2.	Biochemical Methods
3.	Environmental Pollution Analysis
4.	Bioanalytical Chemistry
5.	Introduction To Instrumental Analysis
6.	Quality Management
7.	Understanding Organic Reaction Mechanism
8.	Stereochemistry Conformation And Mechanism
9.	Advanced Organic Chemistry Vol.I
10.	Advanced Organic Chemistry Vol.II
11.	Nano Material And Nano Chemistry
12.	Introductory Quantum Chemistry
13.	Advanced Problems In Physical Chemistry for Competitative Examination
14.	Comprehensive Coordinations And Organometallic Chemistry
15.	Essentials of Haematology
16.	Disease and Medicine in India - Historical Overview
17.	Immunology - Introductory Textbook New Age International
18.	Practical Zoology
19.	Animal Biology
20.	Textbook of Histology Atlas
21.	Textbook of Veterinary General Pathology
22.	Zoology for Degree Students - Sem.III
23.	Color Textbook of – Histology
24.	Principles and Methods of Toxicology
25.	Murach's Beginning Java With Netbeans
26.	Data Communications And Networking 5th Edition
27.	Discrete Mathematics And Its Applications
28.	Core Java Fundamentals 10th Edition
29.	Microprocessor Architecture Programming And Applications With The 8085
30.	Structure Computer Organization
31.	Data Structure And Algorithm
32.	Computer System Architecture
33.	Data Structure And Algorithm Analysis In C
34.	Head First Html5 Programming
35.	Make Electronics
36.	Instrumentation To Data Structures With Applications
37.	Data Structures With C
38.	Core Java 10th Edition
39.	Database Systems A Practical Approach To Design Implementation And Management
40.	Quantum Mechanics - Theory & Applications
41.	Higher Engineering Mathematics
42.	Heat Thermodynamics Statistical Physics
43.	Microprocessor Architecture, Programming and Application with the 8085 6/e
44.	Kinetic Theory: Classical, Quantum and relativistic Descriptions
45.	Introductory Quantum Mechanics

46.	Mathematical Physics-The Basics
47.	Mathematical Physics – Advanced Topics
48.	Fundamental Laws of MECHANICS
49.	Problems in General Physics
50.	Basic Laws of Electromagnetism
51.	University Physics with Modern Physics
52.	OPTICS
53.	Quantum Mechanics
54.	OP-AMPS & LINEAR INTEGRATED CIRCUITS
55.	Principles of Electronics
56.	Electronic Instrumentation
57.	Solid State Physics
58.	Classical Dynamics of Particles & Systems
59.	Textbook of Biophysics
<b>2018-2019</b>	
1.	Fundamental Concepts of Inorganic Chemistry
2.	Materials Science” Springer International Edition (2004)
3.	Richard Liboff, Introductory Quantum Mechanics, 4 <sup>th</sup> edition, Pearson
4.	A Ghatak and S Lokanathan, Quantum Mechanics: Theory and Application, 5 <sup>th</sup> edition
5.	Introduction to Solid State Physics-Charles Kittel, 7 <sup>th</sup> Ed. JohnWiley & sons
6.	J. Richard Christman “ Fundamentals of Solid State Physics” JohnWiley & sons
7.	M.A. Wahab “Solid State Physics-Structure and properties of Materials” Narosa Publications 1999
8.	Introduction to Elementary particles, David Griffith, John Wiley and son
9.	The Future of theoretical physics and cosmology celebrating stephan hawking's contribution to physics.
10.	Object oriented programmin with C++ by E.balagurusamy, Third or 4th edition tata McGraw-Hill publisher.
11.	8051 micro controller by K.J. Ayala Penram international.
12.	Programming and custumizing the 8051 micro controller by Myke Predko TMH.
13.	8051 micro controller and embedded system Dr. Rajiv Kapadia.
14.	Electronic instrumentation by H.S. Kalsi 2nd edition TMH.
15.	Biomedical instruments and measurements L.Cromwell, F.J. Weibell. Priantice call of india.
16.	Medical instrumentation application and designing J.C. Wobster.
17.	Introduction to biomedical electronics by Joseph du -bary, Mc Graw Hill.
18.	Printed circuits handbook clyde F.coombs Mc Graw Hill 6th edition.
19.	Instrumentation device and system 2nd edition TMH C.S. Rangan, G.R Sarma.
20.	Basic electronic solid state B.L. Thereja S Chand & Company New Delhi.
21.	Foundation of electromagnetic theory Reitz, Milford and christy.

**(B) Journals purchased:**

Sr. No.	Name of the Journal	Details of subscription
1.	Floriculture Today	Monthly
2.	Bioinfolet	Quarterly
3.	Indian Horticulture Magazine	Bimonthly
4.	Indian Journal of Pure and Applied Physics	Monthly
5.	Physics for You	Monthly
6.	Journal of Crystallization Physics and Chemistry	Half yearly
7.	Journal of Medical Physics	Quarterly
8.	Express Computers	Monthly
9.	Digit	Monthly
10.	Data Quest	Monthly
11.	Electronics for You	Monthly
12.	Current Science	Monthly
13.	Biotechnology and environmental science	Quarterly

**14. Publications:****2016-2017:**❖ **One faculty filed patent****2017-2018:**

Sr. No.	Title With Page Nos.	Journal	ISSN / ISBN No.	No. Of Co-Author s	Authors
1.	Status of adulterants in retail milk samples procured from Bhiwandi, Thane district	Int. J.Pharmacol. Bio. Sci. (2017)Vol.11(2) Page no. 39-42	ISSN: 0973-6808	07	Nandita Singh, Shaziya Sayyed, Lubna Khan, Ayesha F, Humaira K, Nadia S and Ayesha A

**2018-2019:**

Sr. No.	Title With Page Nos.	Journal	ISSN / ISBN No.	Peer Reviewed . Impact Factor, If Any	No. Of Co-Author s	Authors
01	Physical Property Analysis of Tap-Water of G.M.M. Women's College, Bhiwandi pp. 29804-29806	International Journal of Recent Scientific Research Vol. 9, Issue, 12(A), December, 2018.	ISSN 0976-3031	Peer Reviewed 7.38	03	Jayashree T, Shaziya M., Khan Bushra, Momin Fariha

02	Vitamin “C” Content In Fruits And Pharmaceutical Sample	Indian Journal of Applied Research, Vol. 9, Issue, 01, January, 2019	ISSN 2249 - 555X	Peer Reviewed	03	Shaziya M., Jayashree T., Neelofar Shaukat Ali Ansari, Sameera Arshad Ali Momin, kulsum Irfan Ali Ansari
03	Study of Physico-Chemical Parameters of Different Water Samples	American Journal of Pharmacy and Health Research	ISSN: 2321- 3647		03	Shaziya M., Jayashree T., Aarzo, Zoha Khan
04	“From Heavy to Healthy: Novel and scientific approach to School Bag”	in process				AlSaba Abdul Qadir, Ansari Sadequa Irshad, Tarannum Attar, Mukarram Khan
05	“Application of Signal processing techniques to ESR spectra”	in process				Ansari Aqleema Mushtaque, Ansari Anam Asgar Ali, Sara Kuwari, Arpit Trivedi
06	“Use of Subroutine MODIDT & RKBD”	in process				Ayesha Momin, Rangari Rubina, Memon Kainat, Tanwin Ashrafi
07	“Structural behavior of Cu-Zr alloy on various temperature range”	in process				Khan Misbah Obaid, Chaudhary Sana Fatima, Shafqua Momin, Anik Shrivastava

08	Impact of smoking addiction for the age group 40 years and above in the city of Bhiwandi	International Journal of Advance and Innovative Research Volume 6, Issue 1 (XXXV) January - March 2019. Page No. 296-300	ISSN 2394 – 7780,	7.36	01	Mr. Anis Choudhary
09	Prevalence of diabetes in rural and urban areas of Bhiwandi	International Journal of Advance and Innovative Research Volume 6, Issue 1 (XXXV), January - March 2019. Page No. 300-395	ISSN 2394 – 7780	7.36	01	Mr. Anis Choudhary
10	Detection of adulterants in milk samples of Bhiwandi	UJERT(2018) Vol 7 (2):72-74	ISSN: 2249- 0256		07	Dr. Nandita Singh, Hafsa Khan, Naba Khan, Ayesha D, Tuba A, Ayesha M, Umama
11	Screening for milk adulterants in the market sample of Kalyan	in process			02	Dr. Nandita Singh
12	Determination of lead from plants grown in Hydroponic conditions	Journal of Emerging Technologies and Innovative Research (in process)	ISSN: 2349- 5162	UGC approved peer reviewed 5.87	03	Vaishali Nirmalkar*, Jayashree Thakre, Raana Ansari, Asfiya Shaikh

### 15. Qualitative improvements due to DBT support.

The theoretical concepts were cleared as they were studied by performing them practically. Many practicals also were studied in detail by extending them beyond the curriculum to bridge the gap between the curriculum and its application to outside world and the quality of teaching and learning process in enhanced through hands-on exposure. The practical knowledge about the plant families in Botany and also various propagation techniques were studied during the field visits. As all our students belong to minority community they don't get an opportunity to go out of Bhiwandi town

due to financial and family pressure related problems. Due the implementation of the star scheme they have overcome with the financial problem. Students could refer to new added books and journals. The number of apparatus, chemicals and other laboratory equipments increased so students are able to perform the experiments individually. The number of activities conducted such as practical, guest lectures, visits, etc. enhanced the personality of the students and has motivated them for further studies.

The visit of DBT representative increases our morale and helps in implementing the scheme effectively. The interaction of the staff and students with the DBT representative benefits the institution in effectively developing their skills by exposure to Science at National level.

1. Students are eager to take up higher studies in Basic Sciences and enter into research.
2. The additional experiments and additional practicals not prescribed in Syllabus but very useful in day today life has helped in popularization of basic sciences.
3. Conduct of Workshops, Seminars, Training programs, Industrial visits for students and faculties helped in upgrading practical knowledge and enhancing their analytical and technical skills hence enriched teaching learning process.
4. The Implementation of Scheme has dissolved departmental boundaries and created opportunities for interaction.
5. The Scheme has helped us in creation of New resources (Abstract Book, SOP's, e content)
6. The star college scheme has helped our Library, by purchasing relevant books and journals.
7. Enthusiastic involvement of students has increased in practical and project work due to better laboratory infrastructure and availability of chemicals and equipments.
8. This scheme provided opportunity to the economically weak students for Field works, samplings and surveys by providing financial assistance.
9. Some departments could carry out university examination for nearby college students due to abundant availability of chemicals.
10. Demand ratio is increased students interest has increased.
11. Participation in Avishkar Research Convention increased due to more research exposure to students.
12. Ms. Alsaba Abdul Qadir got third prize in Anveshan west zone students research convention by association of Indian universities at Udaipur
13. Intercollegiate participation of students increased.
14. Ms. Jabeen Shaikh T.Y.B.Sc student felicitated by SCIRE Science for 1st prize in International competition on disaster management
15. Two students Ms. Aamena Bubere and Ms. Ansari Ramin received 1st and 3rd prize respectively for the essay writing competition conducted by ENVIS RP on Avian Ecology, BNHS (BOMBAY NATURAL HISTORY SOCIETY), celebrating World Wetlands Day

16. Skill improvement courses conducted under Star Scheme like Basics in Plant Tissue Culture, Calibration of apparatus and Standardization of Chemicals, handling of Microscopes, Vegetable carving, etc. created lot of interest amongst students for Laboratory work.
17. More interdepartmental activities increased as a result students from different departments interacted with each other and exchanged knowledge
18. E - content of the all the star departments is increased so students are enjoying
19. Many teachers presented papers at International and National Conferences

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

- Funds should be released as early as possible in the beginning of the academic year so that it can very well utilized for the students.
- PG students of star departments may also be included along with UG students
- Some department face problem of shortage of Non recurring grants

### **Acknowledgements**

*K.M.E Society's G.M.Momin Women's College is thankful to Department of Biotechnology, Govt. of India for providing financial assistance to our College during first and second year of implementation of Star College scheme.*



## Minutes of the meeting Annexure I

YEAR 2016-17

### Minutes of First Advisory Committee Meeting held on 11<sup>th</sup> March 2017 At KME Society's G. M.Momin Women's College, Bhiwandi (Dist Thane), Maharashtra

Adviser to the Department of Biotechnology, Hon'ble Dr. Suman Govil visited G. M. Momin Women's College on 11<sup>th</sup> March 2017 for Star Advisory Committee meeting along with external experts Dr. Sunil Kumar Deshmukh, Scientist, TERI, New Delhi and Mr. Avinash Lewis Senior Engineer, United Nations. External Expert Dr. Rajendra Shinde, Vice Principal, St. Xavier's College, Mumbai was granted leave of absence. Dr. Mussaddiq Patel, Gen Secretary, KME Society and member of the management Mr. Shafi Muqri graced the occasion.

- Principal Dr. Moses Kolet gave his presentation where he briefly introduced the college, its aims, objectives, vision and mission, its management and local education scenario and related challenges in the small culturally isolated town of Bhiwandi, especially from point of view of education of girls; as our college is a women's college.
- The Committee interacted with the students in the college auditorium wherein students of departments selected for star college scheme voiced their positive feelings and gave feedback on benefits derived from various activities conducted under the Star college scheme. Dr. Vaishali Nirmalkar conducted this part of the programme. Following were the students who gave the feedback of various activities sponsored by DBT under Star College Scheme.

Sr.No.	Name	Department
1	Ms. Kharbe Sumaiya	Botany
2	Ms. Divkar Ayesha	Chemistry
3	Ms. Saher Ansari	Information Technology
4	Ms. Ansari Monam	Physics
5	Ms. Khwaja Nukra	Zoology
6	Ms. Safa Khan	Biotechnology and Team member, Inter University Research Convention

- Dr. Suman Govil shared her experiences with students and motivated them to take up challenges in life. Students loved and appreciated her heartfelt interaction with them. Students looked upon Dr. Suman Govil as their ideal role model.
- Departmental presentations, along with the presentation of star coordinator were organized in the IT Laboratory.
- Coordinator Ms. Jayashree Thakre informed the committee on planning of the scheme and activities conducted by departments receiving funding from DBT under Star college scheme for benefit of students.

- Activities conducted under the Star scheme by departments were presented by departmental coordinators as mentioned below:

<b>Sr.No.</b>	<b>Name</b>	<b>Department</b>
1	Ms. Tarannum Attar	Physics
2	Ms. LaxmishreeChengala	Botany
3	Dr. NaheedAzam	Chemistry
4	Dr. Nisar Shaikh	Zoology
5	Ms. Misbah Momin	Information Technology

Dr Suman Govil appreciated the activities, gave valuable suggestions and guidelines to the members in order to implement Star scheme more effectively.

The course coordinator thanked all the members.

In the later part of the day the external experts visited the departments and interacted with staff members.

**Star Coordinator**

Mrs. Jayashree Thakre

**Principal**

Dr. Moses J. Kolet

**Suggestions given by Dr. Suman Govil during the First Advisory Committee Meeting held on 11<sup>th</sup> March 2017 at KME Society's G. M. Momin Women's College, Bhiwandi**

- Open Day for Parents should be organized at least once in a year.
- To exchange ideas and staff exchange programmes with the nearby Star Colleges,
- Hands on Training programs for staff/students should be organized
- Laboratory Manuals (SOPs )should be prepared
- Hobby workshop (e.g. bags from waste paper) should be started
- Waste paper recycling should be encouraged
- Preparation of specimens/charts/slides/photographs/ study material by students guided by their teachers
- Appointment of a Liaison officer for searching various funding agencies
- After effective implementation of the scheme for the 3 years, Star status is given to the Colleges
- Dr. Suman Govil gave valuable details and links to information on paper microscope and simple centrifuge available on YouTube courtesy Dr. Manu Prakash
- Stress was laid upon conduct of Inter Disciplinary Programs for all round development
- More importance should be given to projects to be done by students
- Cut off percentage/Demand Ratio/ Overall passing percentage will be compared for previous years as parameters of success of the scheme

Suggestions on minor alteration to system of feedback analysis was given

- Women Achiever Award installed by the college was appreciated  
Dr. Suman Govil appreciated the activities conducted by Star departments within the given short span of time and gave her best wishes for success in getting Star Status for the college in future.

**Star Coordinator**  
Mrs. Jayashree Thakre

**Principal**  
Dr. Moses J. Kolet



**YEAR 2017-18**



## - State Committee Meeting with External Experts on the Advisory Committee

Time - 12:00 to 4:30

Venue - Principal's Cabin

### Minutes

→ Dr. Sunil Deshmukh suggested to mail & inform Dr. Suman Goyal regarding the external experts meeting before 15 to 30 days.

① → Mrs. Jayashree Thakre presented overall state activities going on in college.

→ Mr. Anirach Keri raised question regarding drop out rate of the students.

→ Management member Mr. Maged Agha & Principal Sir answered the question giving reasons for the drop out rate.

→ Mr. Anirach Keri suggested to form a committee to reduce the dropout rate and members to be taken from every faculty i.e. Arts, Science & Commerce for the same.

② Dr. Nisar Shankh presented dept. of Zoology.

- To give project list, guiding teacher, and name of students - Dr. R. Shinde.

- Study the plants at Durgadi fort; collaborate with other dept. like Botany - Dr. R. Shinde.

- Multiple activities, Interdisciplinary Enrichment - Dr. R. Shinde.



- Check Antibiotics in Milk - Dr. S. Deshmukh
- Pesticides, Antibiotics in fishes also to be tested, local fishes, polluted areas - Ms. Lewis.

Mention of Dept. meeting, photos of things purchased, students using instrument, balance amount, addition of comparative no. of instruments earlier and after - Dr. M. J. Kolet

→ Mrs. C. Karmishree presented ppt. of Botany.

- Appreciated the lab activities, suggested the usage of library, IT tools to be done done by all departments - Ms. Anuradh. Lewis
- Purchase general magazines like Everyday Science for student - Dr. R. Shinde
- Do the modifications Root & Stem differently
- survey the area around, collect & identify the plants. - Dr. R. Shinde.
- Putting of chemicals for butterfly garden - Dr. Deshmukh
- Photos of Books can be put - Dr. MJK.
- E-books can be purchased - Dr. Deshmukh.
- Micropipettes can be purchased - Dr. M. J. Kolet.

→ Mrs. Tarannum Altas presented Physics Dept.

- To go for Digital oscilloscope than CRO - Ms. Lewis

→ Dr. Nahed Azam presented Chemistry Dept.

→ Ms. Nusrat Ansari presented IT Dept.

- Ms. Nusrat & Ms. A. Lewis explained Ethical hacking.

### Common suggestions

- Go for more research projects - Dr. Shinde
- Go for research activities





- 190 for guest lectures.
- Training fee staff members - Dr. Shinde
- Travel & registration fees can be paid - "
- No journal fees to be taken - "
- Share services for other departments. "
- Sika microscopes to be purchased "
- SOP for all practicals to be created. "
- Adulterants, Vit C in fruit juices "
- Do extra to the routine practicals "
- Learning techniques should be emphasized.
- Good quality instruments improving the quality of research outputs. "
- Projects like water samples can be checked.
- Every dept. can have own magazines with ISBN. "
- For printing money can be used. "
- Trees can be labelled, use of dryptic - "
- Can buy microbial cultures, sent samples for identification, etc. - "
- Maintain the results of students - "
- Purchase committee should be formed - Dr. Deshmukh wherein the coordinators of all departments will be the members.
- A/c of the instruments purchased from store can be done.
- Honorarium can be paid to the teachers for guest lectures.
- Technical assistant can be appointed.

Vote of thanks was given by  
Mrs. Jayashree Thakre.



P.T.O



## Attendance

### - External Experts

Dr. Rajendra Shinde

Hunch  
9/9/17

Dr. Sunilkumar Deshmukh

Su. Deshmukh

Ms. Anush Lewis

A. Lewis  
09/09/2017

### - Principal

Dr. M. J. Kale

M. J. Kale  
09/9/17

### - Coordinator & Co-Coordinator

Ms. Jayashree Thakre

Ms. Tarannum Attar

J. Thakre  
Pattar  
09/09/2017

### - Coordinators from Department

Dr. Nisaa Shaikh

N. Shaikh  
09/09/2017

Dr. Nahed Azam

N. Azam  
09/09/2017

Dr. Mrs. Laxmishree Chengala

L. Chengala  
09/09/2017

Ms. Nusrat Ansari

N. Ansari  
9/9/2017

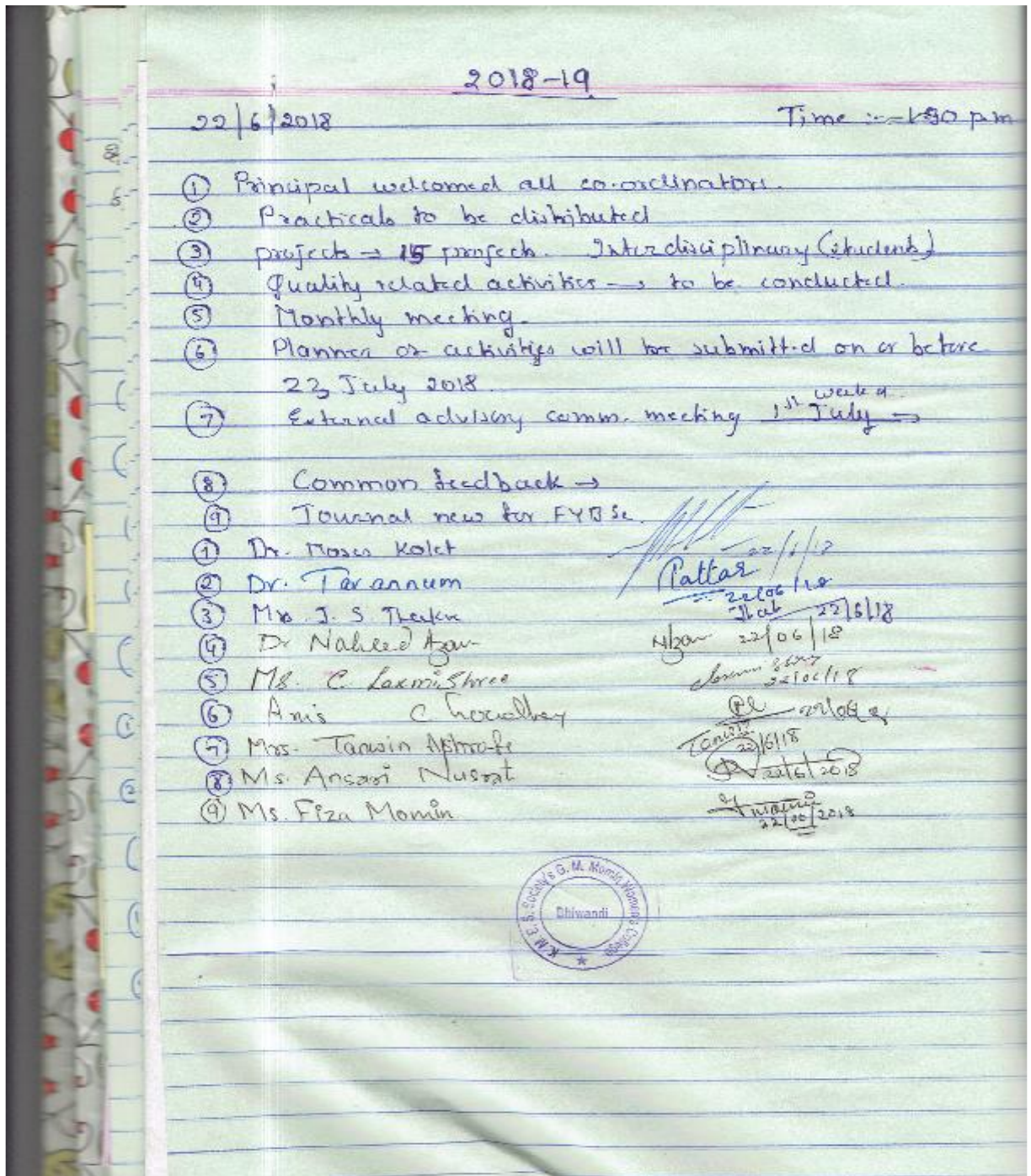
Dr. Vaishali Nismalkar

V. Nismalkar  
Pattar  
9/9/2017

A. Lewis  
9/9/2017









# Items purchased under Non-Recurring grant Annexure II

## DETAILS OF DEPARTMENT WISE EXPENSES FOR NON-RECURRING GRANT RECEIVED UNDER STAR COLLEGE UPTO 31ST MARCH 2018

NAME OF DEPT.	SR.NO	PARTICULARS	Quantity	AMOUNT (in Rupees)	Cheque No/ PPA	Date of Order	Date of Purchased
B.S.C.IT	1	PcHub(Computer-15)	2				
	2	PcHub(Projector Dell)	2				
	3	PcHub(Projector Screen)	2				
	4	PcHub(Slide Changer Wireless)	2				
	5	PcHub(Speaker Circle)	1	170650	192820	24/06/2017	28/06/2017
	6	PcHub(Printer(HP-3-in-1 Laser))	1				
	7	PcHub(Hard Disk (Internal) 500GB)	4				
	8	PcHub(Wireless Mic System)	1				
	9	PcHub(White Board)	1				
	10	PcHub(RAM 8GB)	5				
	11	EDKITS(DAC Kit)	3				
	12	EDKITS(Traffic Light Kit)	3				
	13	EDKITS(Elevator Lift Control Kit)	3				
	14	EDKITS(Stepper Motor Kit)	3				
	15	EDKITS(Temperature Control Kit)	3				
	16	EDKITS(LED Interfaces)	3				
	17	EDKITS(AND, OR, NOT, XOR, XNOR using NAND)	3				
	18	EDKITS(AND, OR, NOT, XOR, XNOR using NOR gate)	3				
	19	EDKITS(De Morgan's Kit.)	2				
	20	EDKITS(SOP and POS Kit)	2				
	21	EDKITS(K-maps Kit.)	2	152110	192819	24/06/2017	19/07/2017
	22	EDKITS(Binary - to - Gray code and Gray -to - Binary)	2				
	23	EDKITS(Binary - to - BCD& Binary - to -XS-3 code)	3				
	24	EDKITS(Half adder and Full adder Kit)	1				
	25	EDKITS(BCD adder, XS - 3 adder, Binary Subtractor,	3				
	26	EDKITS(2-bit by 2-bit multiplier, 2-bit comparator	2				
	27	EDKITS(4:1 multiplexer and 1:4	2				
	28	EDKITS(3-bit synchronous counter using IC 7473 and	3				
	29	EDKITS(mod-n counters Kit.)	3				
	30	EDKITS(serial - in serial - out, serial - in parallel - out,	3				
	31	EDKITS(Seven segment displays Kit.)	3				
	32	ROOMAAS(Battery)	15	74,058	192822	24/06/2018	29/06/2017
	33	PcHub(Intel Core i5 PC)	1	35813	PPA	29/11/2017	05/03/2018
	34	EDKITS(Digital Storage CRO DSOX1102G	1				



35	EDKITS(Fluke Multimeter 600V CAT III)	2	39648	PPA	29/11/2017	08/03/2018
36	EDKITS(BAFO Serial-to-USB)	2				
37	EDKITS(Embedded System Trainer Model ED-51)	1	5310	PPA	21/03/2018	
38	M/s Rupali Enterprises( Wireless-N Router)	1	7,139	PPA	21/03/2018	
39	M/s Rupali Enterprises(Wi-Fi Range Extender)	1				
40	PchHub(Soldering Iron Machine)	1	117	PPA	21/03/2017	
41	Classic Steel Furniture(Steel Cupboard)	1	15155	182951		
<b>Total :-</b>			<b>500000</b>			

*[Signature]*  
Finance officer of College

**NADEEM DANGE**  
Finance /Accounts Officer

*[Signature]*  
Course coordinator

**JAYASHREE THAKRE**  
Course Co-ordinator

*[Signature]*  
Principal

**K. M. E. Society's G. M. Morin**  
Women's College. Bhiwandi.



**DETAILS OF DEPARTMENT WISE EXPENSES FOR NON-RECURRING GRANT RECEIVED UNDER STAR COLLEGE  
UPTO 31ST MARCH 2018**

SR.NO	PARTICULARS	Quantity	AMOUNT (in Rupees)	Cheque No/ PPA	Date of Order	Date of Purchased	NAME OF DEPT.
							PHYSICS
1	Shiv.scient.co. (Travelling microscope)	3					
2	Shiv.scient.co.(Signal generators)	4					
3	Shiv.scient.co. (Dual Power Supply)	6					
4	Shiv.scient.co.(Regulated power supply)	6					
5	Shiv.scient.co.(Analog voltmeter (0-10 v))	6					
6	Shiv.scient.co.(Analog voltmeter (0-100 v))	6					
7	Shiv.scient.co.(Analog current meter (0-100mA))	6					
8	Shiv.scient.co.(Analog current meter (0-500mA))	6	154439	192835	22/06/2017	22/06/2017	
9	Shiv.scient.co.(Analog current meter (0-100µA))	6					
10	Shiv.scient.co.(Analog current meter (0-500µA))	6					
11	Shiv.scient.co.(Newton's Ring Apparatus)	3					
12	Shiv.scient.co.(Vernier Caliper)	12					
13	Shiv.scient.co.(Spectrometer)	2					
14	Shiv.scient.co.(Electrical Vibrator)	2					
15	Shiv.scient.co.(Energy meter)	3					
16	Aplab Limited(CRO )	6	138060	192834	22/06/2017	14/08/2017	
17	ED Kits(Zener Diode Study Kit( With built in Digital Vo	1					
18	ED Kits(Hartley Oscillator Study Kit)	1					
19	ED Kits(Study of MS JK Flip Flop)	1					
20	ED Kits(Transistorized Astable Multivibrator)	2					
21	ED Kits( Transistorized Bistable Multivibrator)	2					
22	ED Kits( Transistorized Monostable Multivibrator)	2	62776	192847	24/11/2017	17/02/2018	
23	ED Kits(555 Astable Multivibrator)	2					
24	ED Kits(555 Monostable Multivibrator)	2					
25	ED Kits(555 Timer Ramp Generator)	2					
26	ED Kits(Shift Register Study Kit)	1					
27	ED Kits(Thermistor Characteristics Study Kit)	2					
28	ED Kits(Square Wave Oscillator using gates)	1					
29	Ambala Electronic Instruments(He-Ne laser)	1					
30	Ambala Electronic Instruments(Michelson Interferometer	1	44480	PPA	28/12/2017	23/02/2018	
31	Ajanta Instruments(J-By electrical Method)	1					
32	Ajanta Instruments(Bifilar Apparatus)	1					
33	Ajanta Instruments(Newtons Apparatus)	1					
34	Ajanta Instruments(Flat Spiral Apparatus)	2					
35	Ajanta Instruments(Y-by bending apparatus)	1					



36	Ajanta Instruments(Young's Modulus by Koenig Method)	1	72629	192846	24/11/2017	17/02/2018
37	Ajanta Instruments(Lees Method Apparatus)	1				
38	Ajanta Instruments(e/m by Thomson method Apparatus)	1				
39	Ajanta Instruments(Grating (15000 lines/ inch),)	2				
40	Ajanta Instruments(Adjustable Slit)	2				
41	Ajanta Instruments(Optical Lever apparatus (4 legs))	2				
42	Tejraj and Co.(114/900 EQ2 Reflector Telescope)	1	11717	192857	15/02/2018	28/02/2018
43	Ajanta Instruments(Crown glass prism R.L.1.51 size 32x32)	2	744	192858	03/03/2018	23/03/2018
44	Classic Steel Furniture(Steel Cupboard)	1	15155	182951		
<b>Total :-</b>			<b>500000</b>			

Finance officer of College

*Prof.*

**NADEEM DANGE**  
Finance / Accounts Officer

Course coordinator

*Shak*

**JAYASHREE THAKRE**  
Course Co-ordinator

Principal

*[Signature]*

**K. M. E. Society's G. M. Momin**  
Women's College. Bhiwandi.



**DETAILS OF DEPARTMENT WISE EXPENSES FOR NON-RECURRING GRANT RECEIVED UNDER STAR COLLEGE  
UPTO 31ST MARCH 2018**

SR.NO.	PARTICULARS	Quantity	AMOUNT (in Rupees)	Cheque No/ PPA	Date of Order	Date of Purchased
1	Shiv.scient.co. (Colorimeter)	2				
2	Shiv.scient.co. (pH Meter)	2				
3	Shiv.scient.co. (Digital water Bath)	1				
4	Shiv.scient.co. (Comm. Microscope Labline)	10	114052	192829	22/06/2017	28/06/2017
5	Shiv.scient.co. (Dissecting Microscope Labline)	10				
6	Shiv.scient.co. (Autoclave 12*12)	1				
7	Shiv.scient.co. (Electronic Balance CAH223)	1				
8	Shiv.scient.co. (Combined Glass Electrode)	3	3514	192828	22/06/2017	28/06/2017
9	Prerana Enterprises (Centrifuge Machine)	1				
10	Prerana Enterprises (Magnetic Stirrer)	1				
11	Prerana Enterprises (Heating Mantle)	1				
12	Prerana Enterprises (Power Supply For Electrophoresis)	1	92277	192852	22/06/2017	29/06/2017
13	Prerana Enterprises (UV Transilluminator)	1				
14	Prerana Enterprises (Horizontal Gel Apprat)	1				
15	Prerana Enterprises (Vertical Elect. Appt)	1				
16	Pulse Life Science (Laminar Air Flow)	2				
17	Pulse Life Science (Digital Incubator)	1				
18	Pulse Life Science (comp. Microscopo with LED)	1	170250	192851	22/06/2017	30/06/2017
19	Pulse Life Science (Digital Oven)	10				
20	Prerana Enterprises (Rotary Shaker)	1	24402	PPA	16/10/2017	27/12/2017
21	Kulkarni & Sons (Distilled water Plant 4liter with autocu)	1	16520	PPA	08/01/2018	28/02/2018
22	Shiv.scient.co.(Electrode)	1	1246	PPA	24/03/2018	24/03/2018
23	Shiv.scient.co.(Instrument Rotary)	1	62245	PPA	27/02/2018	21/03/2018
22	Ataf Kuwarl(Scrow Driver) Kit for 3d printer	1	339	218377	26/03/2018	31/03/2018
23	Star Cupboard	1	15155	182951		
<b>Total :-</b>			<b>500000</b>			

Finance officer of College  
**NADEEM DANJIE**  
Finance /Accounts Officer

Course coordinator  
**JAYASHREE THAKRE**  
Course Co-ordinator

Principal  
**K.M.E. Society's G. M. Momin**  
Women's College, Bhiwandi.



**DETAILS OF DEPARTMENT WISE EXPENSES FOR NON-RECURRING GRANT RECEIVED UNDER STAR ( UPTO 31ST MARCH 2018**

SR.NO	PARTICULARS	Quantity	AMOUNT (in Rupees)	Cheque No/ PPA	Date of Order	Date of Purchased
1	Shiv.scient.co. (Colorimeter)	4				
2	Shiv.scient.co. (pH Meter)	1				
3	Shiv.scient.co. (Conductivity Meter)	1				
4	Shiv.scient.co. (Flame Photometer)	1	134650	192832	29/06/2017	30/06/2017
5	Shiv.scient.co. (Digital Water bath)	1				
6	Shiv.scient.co. (Dissecting Microscope)	1				
7	Shiv.scient.co. (Electronic Balance)	1				
8	Prerana Enterprises(Digital Colony Counter)	1				
9	Prerana Enterprises(Centrifuge Machine)	1	36319	192852	29/06/2017	08/09/2017
10	Prerana Enterprises(Magnetic Stirrer)	1				
11	Shiv.scient.co. (Electrods)	4	5271	192827	29/06/2017	30/06/2017
12	Pulse Life Science(Digital Oven)	1				
13	Pulse Life Science(Incubator)	1	105555	192851	22/06/2017	08/09/2017
14	Pulse Life Science(Compound Microscope)	10				
15	Amazon(BP Monitor)	1	1450		22/06/2017	30/06/2017
16	Amazon(Stethoscope)	1	1420		22/06/2017	30/06/2017
17	Flipkart(B.P Instrument )	1	2049	PPA	22/06/2017	30/06/2017
18	Amazon(Skeleton Disarticulated )	1	2224		24/06/2017	29/06/2017
19	Prerana Enterprises(Power pack of electroph)	2				
20	Prerana Enterprises(UV Irranilluminar)	1	61041	192852	29/06/2017	08/09/2017
21	Prerana Enterprises(Horizontal Elect. App.)	1				
22	Prerana Enterprises(Vertical Elect. App.)	2				
23	Prism Scientific.(Colorimeter)	1	39459	PPA	23/12/2017	30/01/2018
24	Prism Scientific. (pH Meter)	1				
25	Kulkarni & Sons (Distilled water Plant)	1	16520	PPA	08/01/2018	28/02/2018
26	Vijay Sale(Camera)	1	41950	PPA	07/02/2018	21/02/2018
27	Shiv.scient.co. (Decible Meter and Hand Refractometer)	5	16756	PPA	22/03/2018	23/03/2018
28	Shiv.scient.co. (Heating Mantle)	1	1227	PPA	22/03/2018	23/03/2018
29	Prerana Enterprises(Filtere for Flame Photometer)	3	14840	PPA	02/02/2018	23/03/2018
30	Prism Scientific. (Ten type pH Meter and TDS Meter)	4	4112	PPA	24/03/2018	26/03/2018
31	Classic Steel Furniture(Steel Cupboard)	1	15155	182951		
32	Ataf Kuwar(Screw Driver) Kit for Common thive elect.	1	2	218377	26/03/2018	31/03/2018
<b>Total :-</b>			<b>500000</b>			

*Part*  
**NADEEM DANGE**  
Officer

**JAYASHREE THAKRE**  
Coordinator

**K. M. E. Society's G. M. Morin**  
Women's College, Bhiwandi.



DETAILS OF DEPARTMENT WISE EXPENSES FOR NON-RECURRING GRANT RECEIVED UNDER STAR COLLEGE  
UPTO 31ST MARCH 2018

SR.NO.	PARTICULARS	Quantity	AMOUNT (in Rupees)	Cheque No/ PPA	Date of Order	Date of Purchased
1	Shiv.scient.co. (Colorimeter)	6				
2	Shiv.scient.co. (Conductometer-667)	2				
3	Shiv.scient.co. (Conductometer-665)	2				
4	Shiv.scient.co. (Electronic Balance)	1				
5	Shiv.scient.co. (Flame Photometer)	1	8297	192830	29/06/2017	30/06/2017
6	Shiv.scient.co. (Hot Plate Round 8")	2	and	and		
7	Shiv.scient.co. (pH meter-610)	2	306788	192831		
8	Shiv.scient.co. (pH meter-615)	2				
9	Shiv.scient.co. (Potentiometer-606)	2				
10	Shiv.scient.co. (Potentiometer-601)	1				
11	Shiv.scient.co. (Spectrophotometer)	1				
12	Shiv.scient.co. (Turbidity meter)	1				
13	Shiv.scient.co. (TDS Meter)	2				
14	Shiv.scient.co. (Thermostal Water bath)	1	13784	192852	29/06/2017	30/06/2017
15	Prarama Enterprises (Vacuum Pump)	1				
16	Prarama Enterprises (Heating Mantle)	4	15032	192826	29/06/2017	30/06/2017
17	Prism Scientific. (Electrode & Cuvettes)	2	4767	192833	29/06/2017	30/06/2017
18	Prism Scientific. (Magnetic Stirrer)	1	6614	PPA	06/02/2018	
19	Prism Scientific. (Steel Distilled Water)	2	16520	PPA	06/02/2018	
20	Kulkarni & Sons (Deep Freezer)	1	15500	192862	06/02/2018	10/03/2018
21	King Scientific.(Spectrophotometer)	1	37488	PPA	22/03/2018	24/03/2018
22	Shiv.scient.co.(Electrode)	10	11526	PPA	01/03/2018	23/03/2018
23	Shiv.scient.co.(Electrode)	1	16520	PPA	06/02/2018	28/02/2018
24	Kulkarni & Sons (Steel Distilled Water)	3	31946	PPA	22/03/2018	23/03/2018
25	Photometer	1	15155	182951		
26	Star Cupboard	1	63	218377		
27	Ataf Kuwari(Screw Driver) K.J. for 3deph	1	500000			
<b>Total :-</b>						

*Prof.*

Course coordinator

Principal  
G. M. Momin