

**Prof. Ramkrishna More Arts Commerce, Science College,  
Akurdi, Pune**

DBT STAR College Report

**2019-2020**

**1.NO. OF HANDS-ON EXPERIMENTS BEING CONDUCTED:**

<b>Sr.No</b>	<b>Title</b>	<b>Date</b>	<b>Resource person</b>
<b>1</b>	One- day workshop on Research Project Ethics	10/11/2019	Dr. Dhara Lakhhar IISER, Pune
<b>2</b>	One-day workshop on MANAV-Human Atlas Initiative	10/11/2019	Dr. Dhara Lakhhar IISER, Pune
<b>3</b>	One-day workshop on Food Adulteration,	11-12-2019	Monera Labs, Pune
<b>4</b>	One-day workshop on Chemistry in day to day life for parents and B.Sc. students	18/9/2019	Kroslink Polymer-Pune
<b>5</b>	One-day workshop on Construction of LED based colorimeter and its use,	24/12/2019,	In-house Faculty
<b>6</b>	Intercollegiate Workshop on Modern analytical techniques.	29/01/2020	In-house Faculty
<b>7</b>	Herbarium preparation	20/7/2019,	In-house Faculty
<b>8</b>	Validation and Industrial application of medicinal plants	17/1/2020,	IRSHU-Pune
<b>9</b>	Isolation of soils mycorrhiza	01/2/2020	D. Mahesh Borde- SPPU, Pune
<b>10</b>	A workshop on Annular Solar Eclipse	7/10/2019	Khagol Vishwa –Pune- Astronomers without Boundaries
<b>11</b>	A workshop on use of Advanced Excel.	9/12/2019,	In-house Faculty
<b>12</b>	A workshop on Arduino based computer interface development	25/2/2020	IIIT- Pune
<b>13</b>	Drosophila as a Model for Genetic research-	13/1/19	Prof. B.B. Nath, SPPU-Pune
<b>14</b>	Mounting of Chick embryo	20/1/20	In-house Faculty
<b>15</b>	Basics of Hematology	25/1/2020	PRADO Pvt. Ltd-Pune
<b>16</b>	Science Awareness camp for students of Dnyanprabodhini school	20/2/2020	In-house Faculty
<b>17</b>	Hands on training on UV–VISIBLE Spectroscopy, ,	26-28/8/2019	In-house Faculty
<b>18</b>	Hands on Training on Conductometry and its application, ,	3-5/9/2019	In-house Faculty

19	Hands on training on HPLC	10-12/2/2020	In-house Faculty
20	Hands on training on Spectroscopic techniques for Life Science	11/1/2020	In-house Faculty
21	Hands on training on Isolation of endophytic fungi	1/2/2020	Department of Botany, SPPU,Pune
22	Chromatographic Techniques and its applications in Botany	20/12/2019	SPPU,Pune
23	Hands on training on Computer based PCB making	, 20/12/19-	Nutan Infotronics Pune
24	Thin film deposition on substrate by using various techniques	29/1/2020	In-house Faculty
25	Entrepreneurship and start-ups in Basic Science	4/2/2020	-

## 2.TRAINING RECEIVED BY FACULTY:

Sr.No	Name of faculty	title	Date	Place
1.	Dr. A. J. Khandagle	Training on Financial Accounting at online Public financial management System(PFMS)	14/2/2020	B.R. Gholap College, Pune. -
2.	Dr. R.A. Morey-	Training on Financial Accounting at online Public financial management System(PFMS)	14/2/2020	B.R. Gholap College, Pune.
3.	Dr.V.D. Shriram	Training on Financial Accounting at online Public financial management System(PFMS)	14/2/2020	B.R. Gholap College, Pune.
4.	Dr. R.P. Chatterjee-	Refresher course, on Biosciences	23/10/19-12/11/19	Birla College Kalyan, Mumbai
5.	Dr. H.B. Sonavane	Refresher course, on Biosciences	23/10/19-12/11/19	Birla College Kalyan, Mumbai
6.	Ms.Pallavi Takawane	Concepts, Tools and Techniques in ecology and behavioural research	11-12/2/2020	S.P. College Pune
7.	Dr. R.A. Pawar, Dr. D.R. Shinde, Dr. K.M. Gadave, Dr. S.P. Rasale	Q dot Glass and Solar Energy for Waste Water Processing Technology	15-16/11/2019	Centre for Material for Electronics Technology (C-MET) Pune and University of LEEDS, UK,

8.	Dr. D.R. Shinde, Dr. K.M. Gadave	National workshop on Multifunctional materials and Instrumentation for emerging applications	16-18/1/2020	SPPU, Pune
9.	Dr. A.J. Khandagle	Faculty development program on cyber security,	30/9/2019-5/10/2-19.	Prof. Ramakrishna More College, Akurdi, Pune.
10	Mr. D.S. Bhangre	Faculty development program on cyber security	30/9/2019-5/10/2-19	Prof. Ramakrishna More College, Akurdi, Pune.

**3.Science Exhibition (SE):** 1. Intercollegiate Interdisciplinary SE, 12/12/2019, 131 exhibits by 254 students from 17 colleges in and around Pune, Total beneficiaries 500 UG Students.

**4.Training Courses/ Seminars organised:**

Sr.No.	Title	Date
1	Teachers training in cyber security	30/9/19 to 5/10/19
2	Winter School in Plant Tissue Culture and related techniques	20/11/19 to 27/11/19
3	Workshop on use of Moodle	30/6/20 to 4/7/2020
4	Plagiarism in Research	3/3/2020
5	Teacher's training on Advance analytical techniques	29/1/2020
6	James Web Telescope: Working and Applications	3/2/2020
7	Workshop on "LED & Circuit Designing	29 /2/ 2020
8	Entrepreneurship & Startups in Basic Science"-	4/2/2020
9	Training Workshop on "Mobile Repairing	2/2/2019
10	Seminar on Recent trends in Physics and Electronics	13/12/2019

**5.Visits to research Institutes:**

Sr.No	Name	Date
1	IUCAA Pune	11/1/2020
2	National Research Centre [NRC] for Grapes Manjari, Hadapsar, Pune	3/10/19
3	Central Instrumental Facilities [CIF] SPPU, Pune	3/10/19
4	National AIDS Research Institute (NARI) Pune	2/12/19
5	National Chemical Laboratory (NCL)	17/12/19
6	Science Park, Chinchwad Pune	14/12/19

<b>7</b>	Mapro Industries, Mahabaleshwar	4/10/19
<b>8</b>	Central Bee research institute(CBRTI) Shivajinagar, Pune	21/11/19

## **6.INVITED LECTURES:**

### **(a)Zoology:**

<b>Sr.No</b>	<b>Resource Person</b>	<b>Topic</b>	<b>date</b>
<b>1.</b>	Prof. Anjan Banerjee (Co-Chair, Biology Division IISER, Pune	Opportunities in Basic Sciences	20/8/19
<b>2.</b>	Dr. Surendra Ghaskadbi, ARI-Pune	Trends in Developmental Biology.	23/8/19
<b>3.</b>	Dr. Mayurika Lahiri Scientist E, IISER, Pune	Recent research in breast cancer	11/10/19,
<b>4.</b>	Dr. Sharad Talmale Scientist C ZSI, Pune	Basic Biology of Order Odonata.	13/12/19
<b>5.</b>	Prof.B.B. Nath Dept. Of Zoology, SPPU Pune	Drosophila genetic System.	17/12/19
<b>6.</b>	K. Algarasu, Scientist C NIV, Pune,	Dengue Vector: Control Strategies.	4/9/19
<b>7.</b>	Dr. Sameer Padhye, Postdoctoral Researcher ,Katholieke	Research skills in Freshwater Zoology	20/9/19

### **(b)Chemistry:**

<b>Sr.No.</b>	<b>Resource Person</b>	<b>Topic</b>	<b>Date</b>
<b>8.</b>	Prof. Avinash Kumbhar, Head-Dept. of Chemistry- SPPU	Medicinal Chemistry	7/9/19
<b>9.</b>	Dr. P.D. Safai Scientist E, IITM	Acid Rain	9/9/19,
<b>10.</b>	Dr. B.L.V. Prasad, Scientist G, NCL	Tailored Nano- particles synthesis for better interface with biology.	17/9/19

11.	Dr. Debarata Rautary, Principal Scientist Tata Chemicals Innovation Centre	Advance Material Characterization Techniques	3/10/19
12.	Dr. Manish Shinde, Scientist A C-MET, Pune	Material characterization techniques by XRD, SEM and TEM.	18/9/19
13.	Dr. Ashutosh Abhaynkar DRDO, Pune	Magnetism	14/2/20
14.	Prof. Dilip D Dhavale, Ex-Head, Dept. of Chem. SPPU-Pune	Nuclear magnetic resonance Spectroscopy	25/2/20
15.	Mr. Sunil Shinde, Executive Officer, Krosslink Polymer Pvt. Ltd	Safety measures in chemical industries	
16.	Dr. Anil Markandeya, Fergusson college Pune	Molecular Spectroscopy.	17/2/20
17.	Dr. Subhash Pingale, SPPU-Pune	Quantum Mechanics	18/2/20
18.	Dr. Sunita Gavali SPPU, Pune	Coordination chemistry and Magnetic properties.	29/2/20

**(c) Botany:**

Sr.No.	Resource Person	Topic	Date
19.	Dr. Jeevan Singh Jalal, Scientist c- BSI Pune	Orchids of India	3/8/19
20.	Dr. Sourabh B Zimare, Scientist, Nowroj Godrej Centre for Plant Research	Tissue culture of medicinal plants	4/10/19
21.	Dr. Kartik Balasubramaniyaum, Scientist C- ARI Pune	Diatoms	5/10/19
22.	Dr. Sayyed Iliyas, Poona College	Guidance for examination in Botany.	5/10/19
23.	Dr. Suresh Jagtap IRSHAU-Pune	Industrial application of medicinal plants.	17/1/20
24.	Dr, Mahesh Borde, SPPU-Pune	Advanced techniques of isolation of soil mycorrhiza and endophytic fungi.	1/2/20

**(d)Physics:**

Sr.No.	Resource Person	Topic	Date
<b>25.</b>	Dr. Shrikant Gabale	Drone Mapping	10/1/2020
<b>26.</b>	Dr. Ashok Rupnar,IISER	Fun with Science	9/1/2020
<b>27.</b>	Dr. Dipti Siddhay, SPPU	Frontiers in Science	23/12/19
<b>28.</b>	Mr. Rajesh Patil	Super-study skills and memory techniques.	23/12/19
<b>29.</b>	Dr. Aparna Deshpande, Scientist at IISER, Pune	Scanning tunnelling Microscopy.	10/1/20

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