

**Rayat Shikshan Sanstha's  
KARMAVEER BHAURAO PATIL COLLEGE, VASHI  
Activity report under MOU/linkages/Collaborations**

**Department of Microbiology**

**MoU Activity Report**

**Date: 12<sup>th</sup> November 2019**

|   |
|---|
| <b>Name of MOU /linkages/Collaborations: The Synthetic &amp; Art Silk Mills' Research Association, (SASMIRA)</b>  |
| <b>Details of Activity</b><br><b>Title of Activity: Student Training Program on Advanced Instrumentation Training</b><br><b>Duration: 5<sup>th</sup> to 9<sup>th</sup> November 2019 (30 hours)</b><br><b>Attendee Number: 19 participants of M.Sc. -II Microbiology</b><br><b>Name of Resource person: Shradha Shinde-Dongre, Mr. Pramod Salunkhe, Rachana Shukla, &amp; Ravi Singh</b><br><b>Name of Collaborating Agency: The Synthetic &amp; Art Silk Mills' Research Association, (SASMIRA), Worli, Mumbai</b>   |
| <b>Objectives of Activity</b><br>An objective was to provide the students with an opportunity to learn practically through interaction, working methods and employment practices. It gives the students exposure to current work practices as opposed to theoretical knowledge being taught in their college classrooms.  |
| <b>Description of Activity</b><br><b>Day 1:</b> started the presentations on Importance of Testing & Advanced Instrumentation<br>GC-MS - Introduction, Principle, Instrumentation, Working, Application,<br>HPLC - Introduction, Principle, Instrumentation, Application<br><b>Day 2:</b> students were divided into two batches two batches went into the ANALYTICAL lab of SASMIRA, to learn HPLC and GC-MS for Instrumentation, Preparation and development of plate, Sample application and post-run analysis.<br><b>Day 3:</b> Third day of training, batches went to the Analytical lab of SASMIRA, to learn Scanning Electron Microscopy, Particle sizer analysis & DSC-TGA<br>LAB VISIT:<br><b>Day 4:</b> On the fourth day of training, batches went to the Analytical lab, to learn SEM, an introductory lecture on QMS (quality management system)<br><b>Day 5:</b> It was the last day of our training, batch-wise students went to the Analytical lab of SASMIRA, to learn CHNS(O) analyzer, Particle size analyzer & DSC-TGA. |
| <b>Describe in 100 words the reason for MOU:</b><br>SASMIRA is engaged in diverse activities with the prime objective of rendering scientific & technical assistance to the textile industry, thereby assisting its growth and development. "Advanced Instrumentation" is a vital part of courses. It helps to bridge the gap between the classroom and the real field world. Students will be able to identify the prospective area of work like Testing, R&D, etc.  |
| <b>Benefit to Volunteers (students):</b>  |



  
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Vashi Navi Mumbai - 400 703

This Visit has brought clarity to important management concepts, as students experience firsthand how these concepts are put into action,

It helped to bridge the gap between classroom theoretical training and practical learning in a real-life environment.

Students came across an opportunity to ask questions about their area of interest. Therefore, they were able to identify the prospective work areas like Testing, R&D, etc.

“Advanced Instrumentation” is a vital part of courses. It helps to bridge the gap between the classroom and the real field world.

**Link of activity (If Online) - offline**

**Certificates received for activity by students (Google Drive link):**

[https://drive.google.com/file/d/1CRa6-IxmOg7PNatasceLVS8u3xMbOQTu/view?usp=drive\\_link](https://drive.google.com/file/d/1CRa6-IxmOg7PNatasceLVS8u3xMbOQTu/view?usp=drive_link)

**For internship certificates of students under MOU (Google Drive link): NA**

**Attendance of participating students with their signature (Google Drive link):**

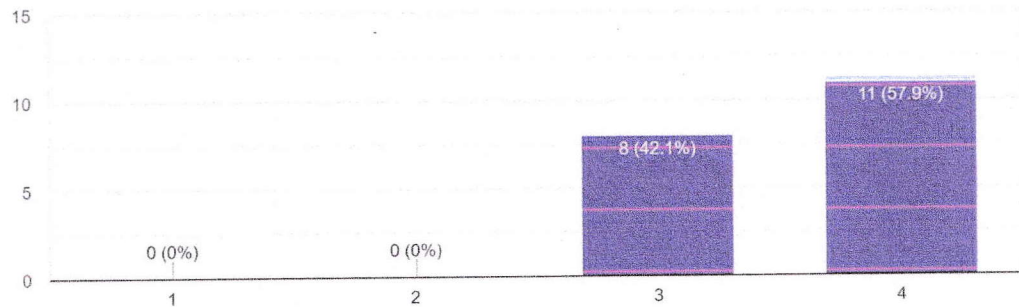
[https://drive.google.com/file/d/1FtLAGAMyVppB-Fbu3aRPJc6MxNw1Fas/view?usp=drive\\_link](https://drive.google.com/file/d/1FtLAGAMyVppB-Fbu3aRPJc6MxNw1Fas/view?usp=drive_link)

**Feedback of activity (Google Drive link):**

<https://docs.google.com/spreadsheets/d/1yOO1b5ScB3Y0OmCcSFireFB-tyIroIXOTmzZMr51gyw/edit?usp=sharing>

Relevance of Instruments included in the training program

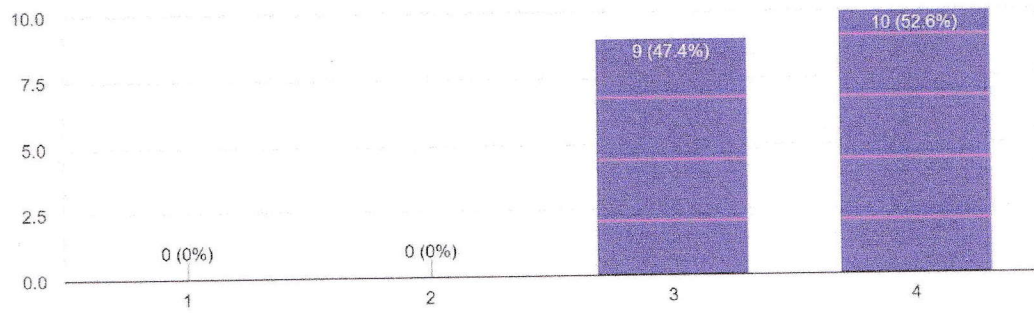
19 responses



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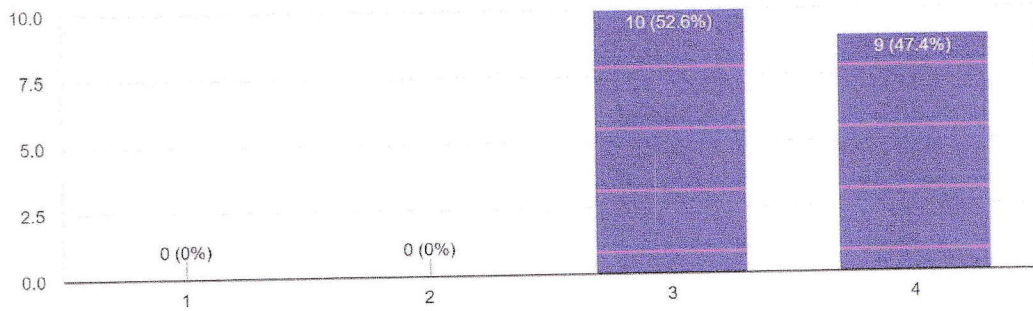
### Explanation of theoretical background of instruments

19 responses



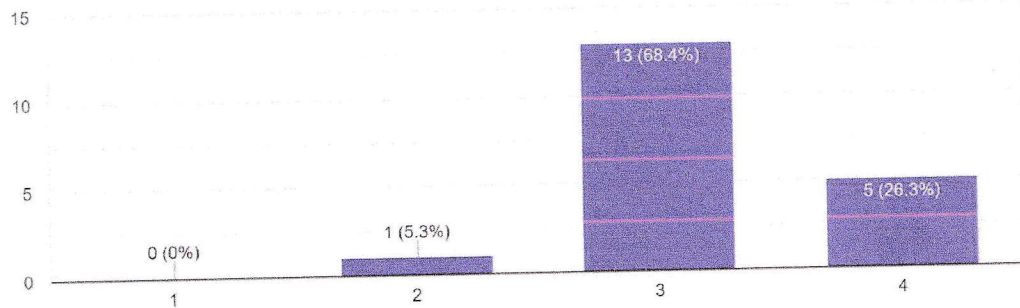
### Method of teaching

19 responses



### Time duration allotted for lectures

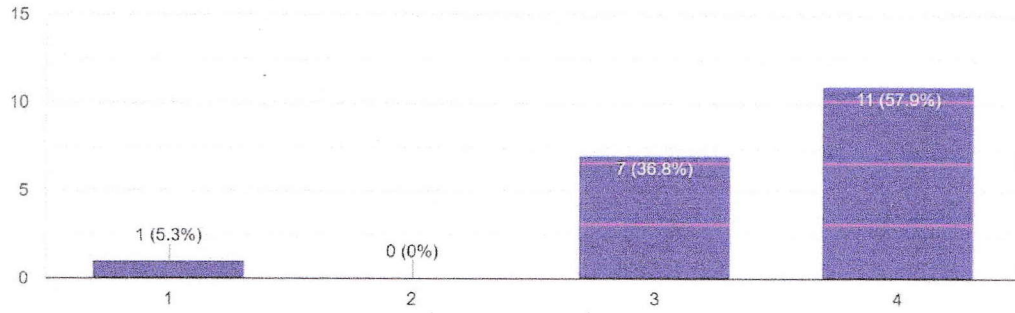
19 responses



*JKCO*  
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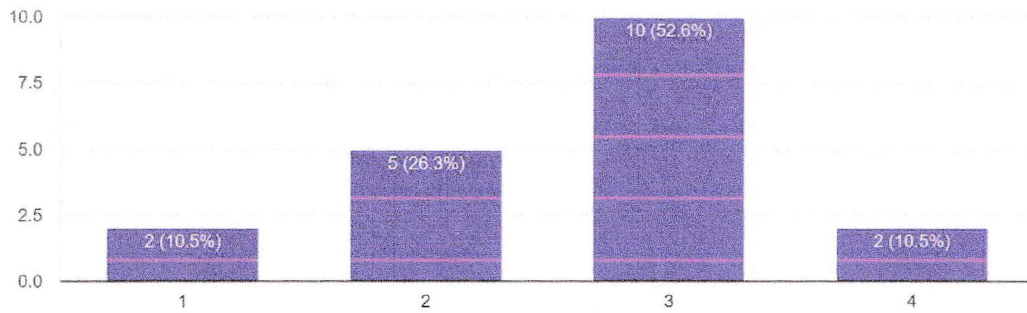
### Time duration allotted for practical sessions

19 responses



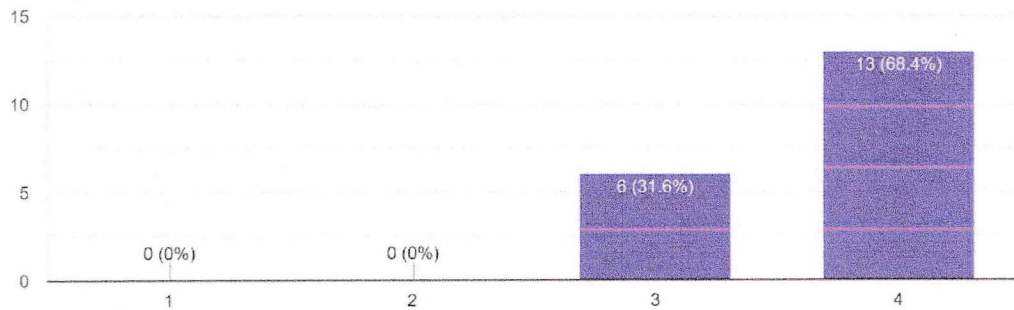
### Hands-on training

19 responses



### Interaction of instructor with students

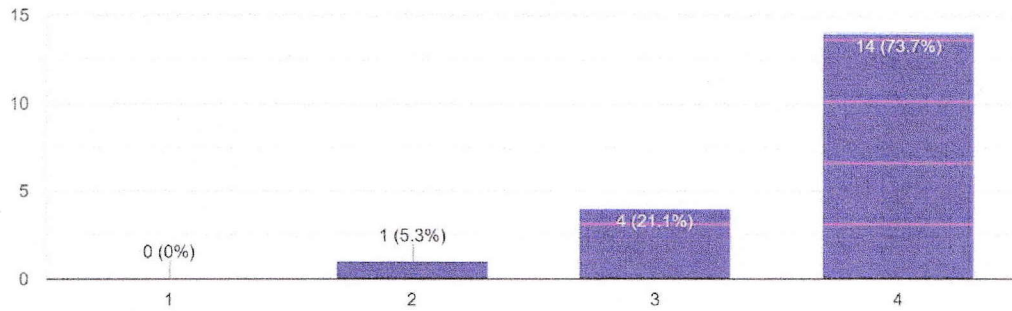
19 responses



*[Signature]*  
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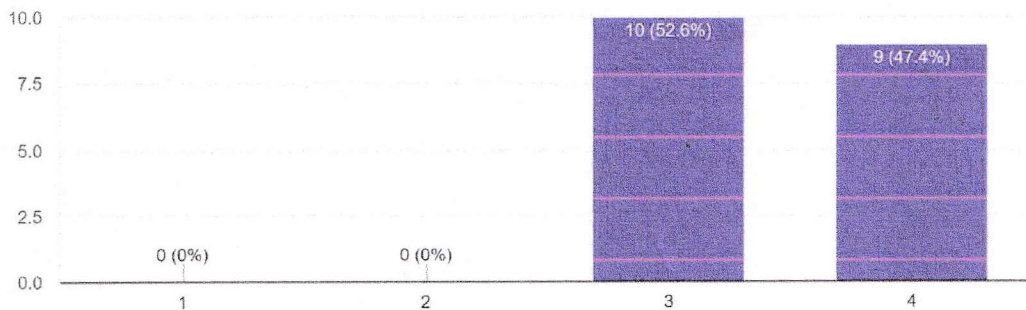
### Approach and efforts of instructor towards doubt-solving.

19 responses



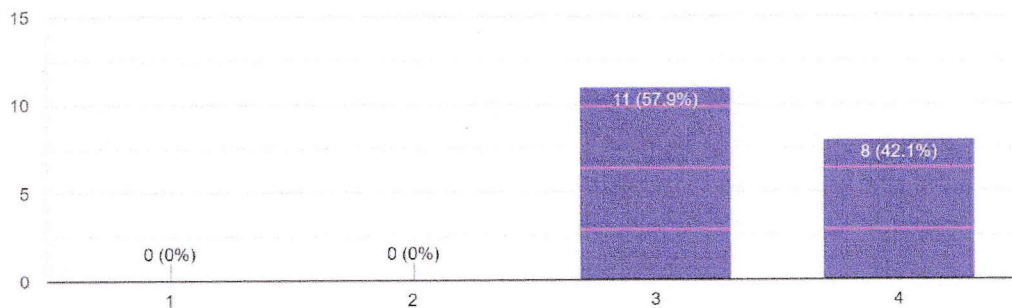
### Extent of knowledge gained by students during this training program

19 responses



### Method of assessment

19 responses



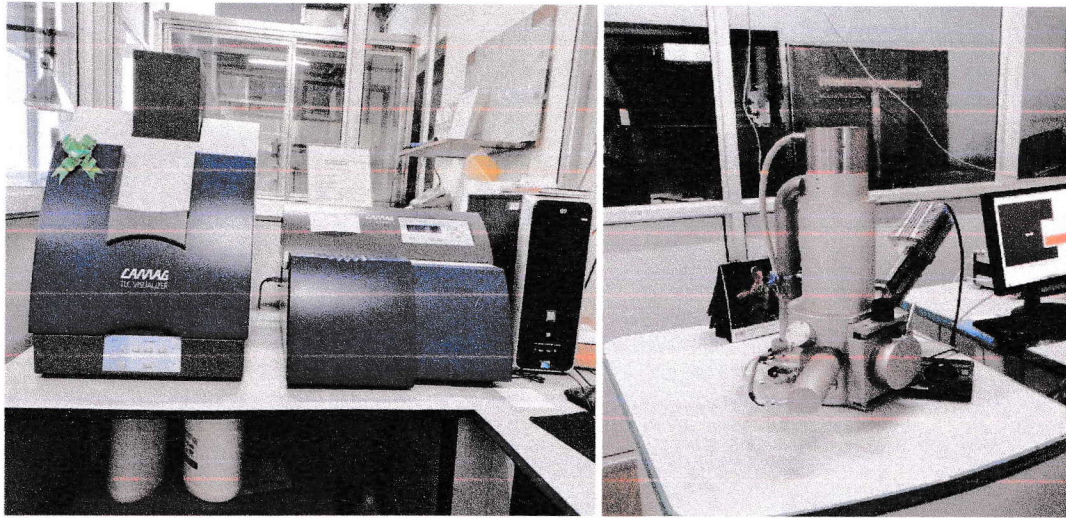
**Photos of Activity (Geotag):**



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Participants in the SASMIRA campus for training



Advanced instrumentations in SASMIRA

Newspaper cutting of activity: N.A.

*Nayak*

HEAD

Department of Microbiology  
K.B.P College, Vashi, Navi Mumbai

Signature of HOD

For THE SYNTHETIC & ART SILK MILLS  
SASMIRA, Mumbai  
RESEARCH ASSOCIATION

*[Signature]*  
EXECUTIVE DIRECTOR

Signature of MOU authority (second party)

*[Signature]*  
PRINCIPAL

Karmaveer Bhaurao Patil  
Vashi Navi Mumbai - 401 101

Signature of  
Principal




# sasmira

The Synthetic & Art Silk Mills' Research Association,  
(Linked to the Ministry of Textiles, Govt. of India)

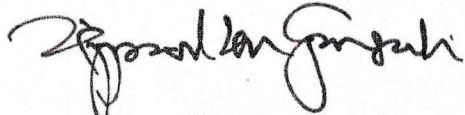
## *CERTIFICATE OF TRAINING*

This is to certify that **Anit Maurya**, studying in **MSc Part II (Microbiology)**  
of **Karmaveer Bhaurao Patil College, Vashi** has completed five day (30 Hrs) Training program  
on 'Advanced Instrumentation' organized from 5<sup>th</sup> - 9<sup>th</sup> Nov 2019.

Date: 11<sup>th</sup> Nov 2019

  
**Dr. Manisha Mathur**  
Quality Manager



  
**Dr. U. K. Gangopadhyay**  
Executive Director



  
PRINCIPAL  
Karmaveer Bhaurao  
Vashi, Navi Mumbai

## Student Training Program (30 hours) on Advanced Instrumentation Training

5<sup>th</sup> to 9<sup>th</sup> November 2019

M.Sc. Part II Microbiology (2019-2020)

## Attendance Sheet

| Roll No. | Name of the student | Day 1<br>(05.11.19) | Day 2<br>(06.11.19) | Day 3<br>(07.11.19) | Day 3<br>(08.11.19) | Day 3<br>(09.11.19) |
|----------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 199141   | Tanvi Ghodke        | Tanvi               | Tanvi               | Tanvi               | Tanvi               | Tanvi               |
| 199142   | Pradnya Mukadam     | Pradnya             | Pradnya             | Pradnya             | Pradnya             | Pradnya             |
| 199143   | Shruti More         | Shruti              | Shruti              | Shruti              | Shruti              | Shruti              |
| 199144   | Sweety Tandel       | Sweety.T            | Sweety.T            | Sweety.T            | Sweety.T            | Sweety.T            |
| 199145   | Parbonee Dey        | Parbonee            | Parbonee            | Parbonee            | Parbonee            | Parbonee            |
| 199146   | Ravikumar Yadav     | Ravikumar           | Ravikumar           | Ravikumar           | Ravikumar           | Ravikumar           |
| 199147   | Rahul Wadekar       | Rahul               | Rahul               | Rahul               | Rahul               | Rahul               |
| 199148   | Shilpa Adhikari     | Shilpa              | Shilpa              | Shilpa              | Shilpa              | Shilpa              |
| 199149   | Krutika Khatate     | Khatate             | Khatate             | Khatate             | Khatate             | Khatate             |
| 199150   | Mayur Atpadkar      | MAtpadkar           | MAtpadkar           | MAtpadkar           | MAtpadkar           | MAtpadkar           |
| 199151   | Vidhyesh Karnjavkar | V.Karjaka           | V.Karjaka           | V.Karjaka           | V.Karjaka           | V.Karjaka           |
| 199152   | Shinu Yadav         | Shinu               | Shinu               | Shinu               | Shinu               | Shinu               |
| 199153   | Priyanka Pandey     | P.Pandey            | P.Pandey            | P.Pandey            | P.Pandey            | P.Pandey            |
| 199154   | Dhanashri Patil     | Dhanashri           | Dhanashri           | Dhanashri           | Dhanashri           | Dhanashri           |
| 199155   | Pooja Vengurlekar   | Pooja..             | Pooja..             | Pooja..             | Pooja..             | Pooja..             |
| 199156   | Ajinkya Pawar       | AP                  | AP                  | AP                  | AP                  | AP                  |
| 199157   | Anit Maurya         | Anit                | Anit                | Anit                | Anit                | Anit                |
| 199158   | Jayashri Pawar      | J. Pawar            | J. Pawar            | J. Pawar            | J. Pawar            | J. Pawar            |
| 199159   | Kajal Phadtare      | Kajal               | Kajal               | Kajal               | Kajal               | Kajal               |
| 199160   | Sonia Bhekre        | Sonia Bhekre        | Sonia Bhekre        | Sonia Bhekre        | Sonia Bhekre        | Sonia Bhekre        |
| 199161   | Komal Chavan        | Komal               | Komal               | Komal               | Komal               | Komal               |



Head

MICROBIOLOGY DEPARTMENT  
KARMAVEER BHURAO PATIL COLLEGE  
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Principal

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