

# **FACULTY DEVELOPMENT PROGRAMME**

**Faculty development programme was organized by star scheme ,at GM Momin Women's College in the month of january. The programme was arranged for the lab attendants. For the batter understanding of handling of deferent instruments like PH meter, conductometers, spectrophoto meters, thermostats etc before conducting the practical exams.**

**The experts from the star scheme have briefly explained the methods of calibration of glass apparatus and standardization of electrical instruments. Approximately 35 lab attendants from the different colleges have been benefited by this programme.**

Momin Fareha mohd sabir  
Asst prof.  
Department of chemistry

# **Guest lecture programme on organic synthesis via enolate.**

**Date: 21<sup>st</sup> of september2019**

**Time: 9:30am to11:30 am**

**Location: Aqsa Women's Degree College Bhiwandi**

**Category: Department of Chemistry**

**Lecture on: ORGANIC SYNTHESIS VIA ENOLATE**

**Resource person: Dr. Manisha Khemani**

**Beneficiaries: Student of UG level Science faculty (Total no.40)**

The activities of Chemistry Department for the semester IV in the academic Year 2018-2019 commenced with the organization of a seminar on **ORGANIC SYNTHESIS VIA ENOLATE** on 21<sup>ST</sup> of September 2019 in the college. The seminar was conducted by **Dr. Manisha Khemani** an Associate Lecturer of G. M. Momin Women's College.

Dr. Manisha Khemani Shared very Important Knowledge about organic synthesis, active methylene group and deferent methods of preparation of synthesis via enolate. She also discussed about methods of synthesis and different problems with the solution.

The lecture was even more interesting with the example she gave related to each topic.

The Students were highly enlightened by her session. 40 students of T.Y.B.Sc. Chemistry attended the seminar with complete zeal and enthusiasm. The session conducted by Dr. Manisha Khemani was very productive for all of us.

Report By,

Momin Fareha



Introduction and felicitation of

DR. MANISHA KHEMANI by the  
HOD of chem.Department MOMIN FAREHA



Dr. MANISHA KHEMANI discussing  
topic.



DR. MANISHA KHEMANI explaining  
topic "organic synthesis via enolate"



DR. MANISHA KHEMANI presenting The  
power point

## **Guest lecture programme on Spectroscopy**

**Date: 18<sup>th</sup> of January 2019**

**Time: 9:30am to 11:30 am**

**Location: Aqsa Women's Degree College Bhiwandi**

**Category: Department of Chemistry**

**Lecture on: Spectroscopy**

**Resource person: Dr. Pradeep Shimpi sir.**

**Beneficiaries: Student of UG level Science faculty (Total no.60)**

The activities of Chemistry Department for the semester III/V in the academic Year 2019-20 commenced with the organization of a seminar on **Spectroscopy (physical chemistry)** on 18<sup>th</sup> of august 2019 in the college. The seminar was conducted by **Dr. Pradeep Shimpi** an Associate Lecturer of B.N.N. College.

Dr. **Pradeep Shimpi** shared very Important Knowledge about different types of Spectroscopy like Electronic, Infra Red etc. She also discussed about Interpretation of molecules by different methods.

The lecture was very informative and interactive and the students were able to know about the different spectroscopic techniques. It was wonderful knowledge sharing and gaining lecture on spectroscopy.

The Students were highly enlightened by his session. The Students of S.Y.B.Sc and T.Y.B.Sc. Chemistry attended the seminar with complete zeal and enthusiasm. The session conducted by Dr. **Pradeep Shimpi** was very informative and productive for all of us.

Report By,  
Momin Fareha  
Ansari sabri



**Dr pradeep shimpi interacting with the students**



**Dr pradeep shimpi explaining the topic”spectroscopy”**



**Students in guest lecture programme.**



## **Invitation and registration link:**

Sabrin Ansari is inviting you to a scheduled Zoom meeting.

Topic: Guest Lecture Programme.

Resource Person: Dr. Shaziya Momin. G. M. Momin Women's College.

Organiser: Momin Fareha. Aqsa Women's Degree College.

Time: Jun 12, 2021 12:00 PM Mumbai, Kolkata, New Delhi

Join Zoom Meeting

<https://us04web.zoom.us/j/9995966606?pwd=MThiREhyZGtIWnhmS29JWXZ3b3I3QT09>

Meeting ID: 999 596 6606

Passcode: fmW3qC

## **Guest lecture programme(online)**

**Date: 12<sup>th</sup> june 2021**

**Time: 12:00pm to 1:30 pm**

**Location: Aqsa Women's Degree College Bhiwandi**

**Category: Department of Chemistry**

**Lecture on: colligative properties**

**Resource person: Dr. Momin Shaziya**

**Beneficiaries: Student of UG level Science faculty (Total no.40)**

The activities of Chemistry Department for the semester IV/VI in the academic Year 2020-21 commenced with the organization of a seminar on **colligative properties** on 12<sup>th</sup> of June 2021 in the college. The seminar was conducted by **Dr. Momin Shaziya** an Associate Lecturer of G. M. Momin Women's College.

Dr. **Momin Shaziya** Shared very Important Knowledge about colligative properties and explain colligative properties with examples. She also discussed about methods and different problems with the properties like elevation in boiling points, decreasing in freezing points etc.

The lecture was even more interesting with the example she gave related to each topic.

The Students were highly enlightened by her session. 40 students of S.Y.B.Sc/T.Y.B.Sc. Chemistry attended the webinar with complete zeal and enthusiasm. The session conducted by Dr. Shaziya Momin was very productive for all of us.

Report By,  
Momin Fareha

Attendance:



17 AM

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6/12/2021 13:33:26	Nagori Asma Bano Mohammad kasam	
6/12/2021 13:33:37	Ansari Umme Hafsa Javed Akhtar	
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6/12/2021 13:40:37	Shaikh Rozisha Mohd Imran	
6/12/2021 13:41:44	Ansari Alfiya Bano Zubair Ahmad	
6/12/2021 13:43:23	Afrin Tabassum Mohammad Ayyub	
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6/12/2021 14:12:08	Safina	
6/12/2021 14:12:24	Humaira	
6/12/2021 14:16:31	Ansari nasima abubakar	
6/12/2021 14:23:19	Aatiqua	
6/12/2021 14:37:03	Chaudhary Tuba zarin Abdul Muttalib	
6/12/2021 14:51:46	Mirza iffat	
6/12/2021 14:52:32	Ansari gulafshan MD sohen	
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6/12/2021 14:53:11	Mulla Ammara Navid	
6/12/2021 15:18:26	Khan Jabeen Ramzan	
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6/12/2021 13:33:30	Shaikh Nausheen Fakeer Ahmad	
6/12/2021 13:35:02	Shaikh Nameera Abu Talib	
6/12/2021 13:41:06	Shaikh Ayesha Wakeel Ahmad	
6/12/2021 13:57:11	Shaikh Sumayya Samiuddin	
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6/12/2021 14:13:56	Ansari eram sharfuddin	
6/12/2021 14:25:01	Umme kulsum	
6/12/2021 14:46:16	Momin nazmeen Nasir husain	

Form Responses 1 ▾ +



Feedback form link:

<https://docs.google.com/forms/d/1DS2N0EDIdq7h0MAsjJjqRG-SjVlmBa1lqXOjuO2wH98/edit>

## Guest lecture programme(online)

**Date: 8<sup>th</sup> of June 2021**

**Time: 9:30am to11:30 am**

**Location: Aqsa Women's Degree College Bhiwandi**

**Category: Department of Chemistry**

**Lecture on: Spectroscopy**

**Resource person: Dr. TANAJI N BANSODE SIR.**

**Beneficiaries: Student of UG level Science faculty (Total no.60)**

The activities of Chemistry Department for the semester IV/VI in the academic Year 2020-21 commenced with the organization of a seminar on **Spectroscopy (organic chemistry)** on 8<sup>th</sup> of June 2021 in the college. The webinar was conducted by **Dr. Tanaji N bansode sir.** an Associate Lecturer of B.N.N. College.

Dr T.N Bansode shared very Important Knowledge about different types of Spectroscopy like UV, Electronic, Infra Red, NMR etc. She also discussed about Interpretation of molecules by different methods.

The lecture was very informative and interactive and the students were able to know about the different spectroscopic techniques. It was wonderful knowledge sharing and gaining lecture on spectroscopy.

The Students were highly enlightened by his session. The Students of S.Y.B.Sc and T.Y.B.Sc. Chemistry attended the seminar with complete zeal and enthusiasm. The session conducted by Dr. T.N Bansode was very informative and productive for all of us.

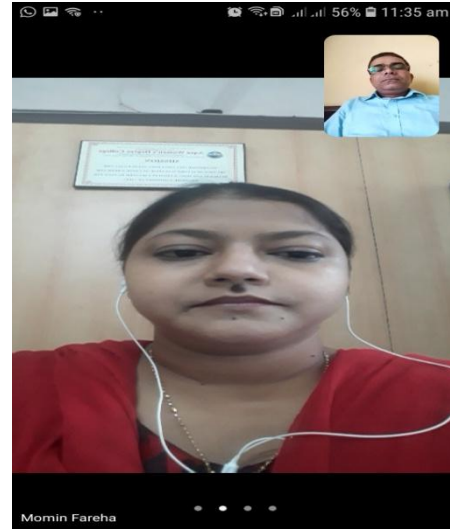
Reported By,

Momin Fareha mohd sabir

H.O.D of chem. department



**Dr.bansode delivering lect. By ppt**



**Introduction of dr. bansode by momin fareha**



**Students enjoying and discussing the points with dr. bansode sir.**

**Link:**<https://us04web.zoom.us/j/6586041552?pwd=UXd0Q3JMeVRLSHBNd0JMT0>

**Attendance and Feed back form link:**

[https://docs.google.com/spreadsheets/d/1ybofJxpUqwD0aT61Lyzmbjw7efB6uB2\\_gA0NFZytxZo/edit#gid=442737888](https://docs.google.com/spreadsheets/d/1ybofJxpUqwD0aT61Lyzmbjw7efB6uB2_gA0NFZytxZo/edit#gid=442737888)

## **Industrial Visit, Reliable laboratory (RALAP) - Report**

**Date of visit:** 18/01/2020

**Place of visit:** Reliable Laboratory,  
Mankholi Naka, Thane.

**Coordinators (Faculty):** Ms. Momin Fareha, Ms. Ansari Sabrin,  
Momin Heena, Shaikh Naureen Fatima

**Coordinators (industry):** (1) Mr. R.S. Patil, Authorized person of lab and Head of  
Instrumentation department

(2) Mr. Kuldeep Mishra, Manager of Marketing and training department

(3) Ms. Shruti, Asst. manager of Marketing and training department

**Participating student:** Final Year B.Sc .(Chemistry) and D.M.L.T Students, (50 students)

### **Report:**

Aqsa Women's Degree College organized an industrial visit for the students of Final Year B.Sc (Chemistry) and D.M.L.T on 18<sup>TH</sup> Jan 2020 at Reliable Laboratory, Mankholi Naka, Thane. Industrial visit are part of curriculum at Aqsa Women's Degree College, Bhiwandi. All the students assembled at the college at 9:00 am and left college in a bus. We reached the lab at 10:30 am.

The Asst. manager of Marketing and training department, Ms Shruti received us at the entrance and gave a registration form. Forms were filled and we were taken to the conference room. The manager of Marketing and training department, Mr. Kuldeep Mishra gave brief information about laboratory like, the laboratory was completed 32 years successfully and it is 2<sup>nd</sup> largest laboratory in Asia, an ISO: 9001-2008 and ISO: 17025-2005, accredited. They analyse all types of food samples, fresh fruits, vegetables, water samples, textiles, electronics, packaging and GMO testing etc. They analyse all types of samples using basic instruments, hybrid instruments, microbial testing and by bio-chemical processes. The Authorized person of lab and Head of Instrumentation department, Mr. R.S. Patil explained the different kinds of processes by power point presentation.

Then Ms shruti took us around one section and explained the process involved in analysis of textiles, electronic, food testing, packaging of glass and plastic bottles, cold storage for food items and hot chambers (High temperature oven). Students visited different sections of the laboratory which had instruments like HPLC, Gas Chromatography, GC-MS, LC-MS, GC-MS-Quadruple, AAS, pH-Meter, Conductometer, Turbidimeter, and Spectrophotometer, GLC, Real time PCR, ICP-MS, LC-MS-MS etc. All the products were analysed as per regulatory guidelines of ISO, FSSAI, AGMARK, NABL, APEDA, BIS, EIC. Students were allowed to closely observe the online analysis of various products. This made our students to correlate their theory with practical application in the analytical field. Our students have been offered internship project and training on different instruments at RALPL, Thane. The students were very happy and felt enriched after visiting Reliable Analytical Laboratory.

Reported By,  
MOMIN FAREHA  
(Head of Chemistry Dept)  
ANSARI SABRIN  
(Faculty member)



Students reached to the lab



students at the time of departure



In the evening leaving the lab



learning about the instrumentation



Students getting the information regarding working of chromatography technics



students understanding gas chromatography.



Students at liquid chromatography



gas-liq chromatography



At the conference hall



busy in listning lecture

# Seminar report

Date: 13/01/2020

Time: 9:00 am -11:00am

Number of students: 40

Class: S.Y.B.Sc

Organized by: department of chemistry.(inorganic chem..)

The department of chemistry organized a seminar, the topic of the seminar were chosen by the students on the basis of their syllabus. Students prepared their respective topics.

The topics were from inorganic chemistry and organic chemistry .it was held on 20th September 2017.

The purpose of the seminar was to bring interest amongst the student and to encourage them variety of promote discussion, compare alternative study designs for data collection, share information and approaches to key problems, disseminate and encourage the use of existing sources, and foster the development of new sources.

.. Sessions were organized around common themes, to facilitate discussions and the emergence of new, revised methods of teaching. The topics discussed were:

- ✓ Acid and bases.
- ✓ Chemistry of transition elements.
- ✓ Gravimetric analysis
- ✓ Co ordination chemistry.

Approximately 40 students attended the seminar from S.Y.B.Sc. The discussion revealed that the problems faced by students by the time of study and to study specific problems from a different angle. 15 students presented the seminar. The name of those students are:

The topics were very well explained by the students. The question answer session had done and the students satisfied with the topics explained by the other students.

Participants also agreed that new studies need to be planned only after having learned from existing methods, their failures and successes, and only after assessing well the contents of tools of data collection. There was emphasis on the need to preserve and enhance data collection that reveals unique aspects of a particular topic.





A student presenting a seminar  
**“ACID AND BASES”**  
on **“GRAVIMETRIC ANALYSIS”**



A student of **S.Y.B.Sc** attend seminar  
**“TRANSITION**

A student presenting a seminar on **“ACID**



A student presenting a seminar on

**ELEMENTS”**

## Power point presentation

Date: 3/02/2020

Time: 9:00 am -11:00am

Number of students: 40

Class: T.Y.B.Sc

Organized by: department of chemistry.(inorganic chem./organic chem...)

Power point presentation was organized by the department of chemistry. power point presentation was held on 3<sup>rd</sup> Feb. 2020.it was organized for T.Y.B.Sc chemistry.

The students of T.Y.B.Sc. prepared their own ppt with the help of their co coordinator Ms MOMIN FAREHA.all the students prepared their ppt.it was presented very nicely. the topics were from their syllabus.i.e

- Polymers
- Carbohydrates
- Catalyst
- Heterocyclic compounds
- Electronic spectra
- Substitution reaction in octahedral complexes.
- Bio inorganic chemistry.

The purpose of the power point presentation is to encourage the students towards their further studies and to overcome the problems arrived while they studied. and to encourage them for self study and power point making. So that the students learn the new techniques of study.

The students clear their doubts by asking the questions to their respective professors. The students of T.Y.B.Sc fulfill the requirement and solved the problems. it was a very successful event.

**Reported by**  
**Momin Fareha m.d sabir**  
**Chem.. lecturer**



A student explaining the topic



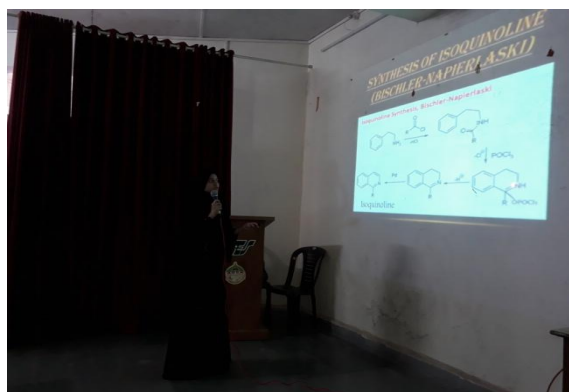
a student presenting ppt



Student explaining heterocyclic comp.



student discuss the molecular str.



A student explaining the preparation of isoquinoline

the students I attending the ppt

## **Seminar on Spectroscopy**

**Date: 18<sup>th</sup> of January 2019**

**Time: 10:30am to 12:30 pm**

**Location: Aqsa Women's Degree College Bhiwandi**

**Category: Department of Chemistry**

**Lecture on: Spectroscopy**

**Resource person: Dr. Manisha Khemani**

**Beneficiaries: Student of UG level Science faculty (Total no.40)**

The activities of Chemistry Department for the semester IV in the academic Year 2018-2019 commenced with the organization of a seminar on **Spectroscopy** on 18<sup>th</sup> of January 2019 in the college. The seminar was conducted by **Dr. Manisha Khemani** an Associate Lecturer of G. M. Momin Women's College.

Dr. Manisha Khemani Shared very Important Knowledge about different types of Spectroscopy like Electronic, Infra Red etc. She also discussed about Interpretation of molecules by different methods.

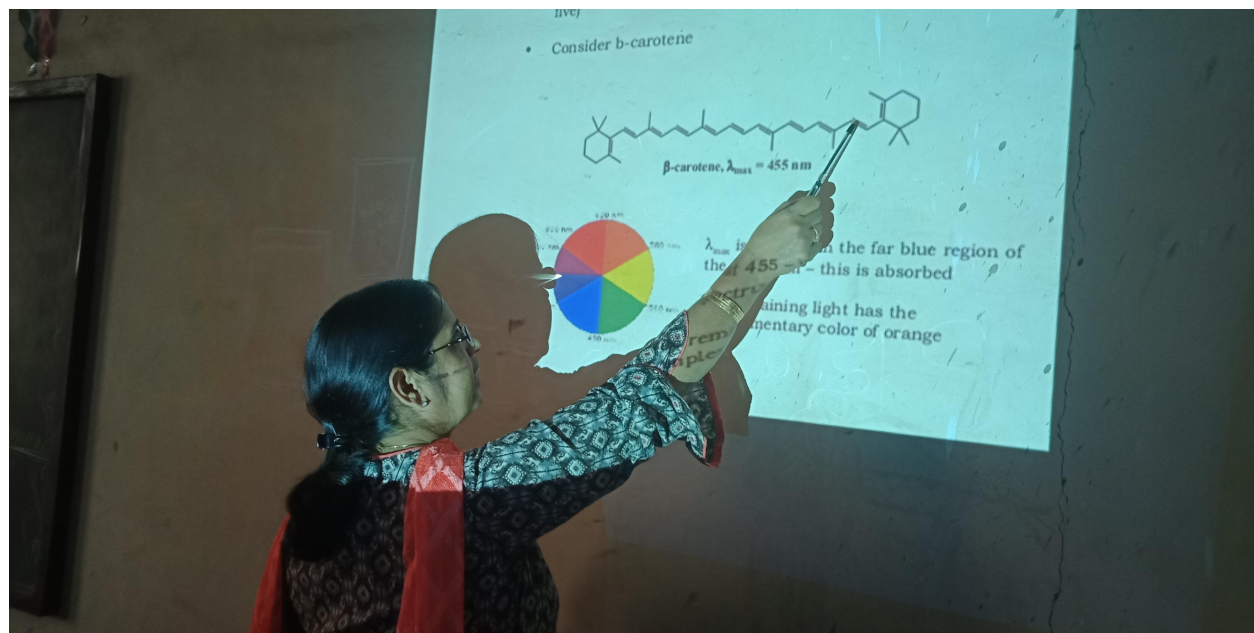
The Students were highly enlightened by her session. The Students of T.Y.B.Sc. Chemistry attended the seminar with complete zeal and enthusiasm. The session conducted by Dr. Manisha Khemani was very productive for all of us.

Report By,

Momin Fareha

Ansari Sabrin

Dept. of Chemistry



## **WORKSHOP ON “EXAMINATION SYSTEM: EMERGING PROBLEMS AND PROBABLE SOLUTIONS”**

In education an examination is a test to show the knowledge and ability of a student and therefore, the examination system should be fair, efficient, reliable and transparent. Credibility is an important measure in the success of the examination system. The conduct of examinations is a back bone any institution.

A workshop on examination was held on 02/10/19 on Wednesday in the conference hall of the college by the examination committee. Principal, head of the departments ,sr. lecturers and lecturers participated in the workshop.

Two sessions was conducted during the workshop. First session was conducted by Momin Fareha Mohd Sabir, the exam co-ordinator. In this session, the examination system, emerging problems and their probable solutions were discussed in detail. the respective supervisors finds various problems during the examination and during supervision.

- 1) The problems are regarding student's hall ticket.
- 2) Filling of wrong information
- 3) Become late for particular exam.
- 4) Malpractices and so on.....

The speaker explained how to overcome the problems according to the university norms, rules and regulations.

The second session was conducted by sr. supervisor of exam committee, Momin Nargis Imtiyaz. She explained the duties of the supervisors, the rules which have to be followed by supervisor during the supervision, filling of different necessary requirement given by the university.

In both the deliberated sessions, all the members emphasized that the exam play an important part in teaching learning process and It was also discussed that

Supervisory report, attendance sheets and absent report should be efficiently filled. How to filled these requirements was explain in second session. Board

should equip itself to implement modern methods of examination which is the requirement of future exam. the related doubts were also cleared by both the speakers .

The superintendent of exam Mrs. Oneza Farid addressed to the participants of the work shop and she discussed the valuable things related to exam, exam duties and problems and solutions of the problems.

The workshop ends with the vote of thanks and national entHEME.

Reported by

Momin fareha Mohd sabir.

Co ordinators of exam committee.



