

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS  
SECTOR-11, CHANDIGARH**



**COURAGE TO KNOW**

**Name of the Department -Chemistry  
(Session: 2018-19)**

**INDEX**

<b>Sr. No.</b>	<b>Activity</b>	<b>Date</b>	<b>Page No.</b>
1.	Hands-on training of PG students on Physical Chemistry Equipments	10 <sup>th</sup> August, 2018	1
2.	Field Visit to Environtech Laboratory of P.G students, Mohali	26 <sup>th</sup> February, 2019	2
3.	Science Day Celebration (Slogan writing competitions)	28 <sup>th</sup> February, 2019	3

*Maunihal*

**Principal**

**Post. Graduate Govt. College for Girls  
Sector 11, Chandigarh**

## **Hands-on Training of PG Students on Physical Chemistry Equipment's**

A demonstration of physical chemistry equipment's for M. Sc I and II was organised by the department of chemistry of PGGCG-11 on **10<sup>th</sup> August, 2018**. This demonstration was given on conductivity TDS meter and was aimed to acquaint the students with the use of this meter. The demonstrator, Mr Anuj Kumar explained how to calibrate the device using KCl as the standard solution. The students were taught, how to measure the conductivity of different solutions. He informed the students, how to manually adjust the temperature readings on the meter, in case the temperature probe does not work. For the better understanding of the working of apparatus, students performed a saponification experiment under the guidance of Mrs. Veneeta Anand. 20 took the readings at regular intervals and then plotted the same on the graph. It was indeed an interactive and informative session. Twenty-five students attended the training.



**Demonstration in Process**

## **Field Visit to Environtech Laboratory of P.G Students, Mohali**

The students of M.Sc- Chemistry II, got the chance to visit the Environ Tech Laboratories Sector-82 on **26<sup>th</sup> February, 2019**. They learnt various methods for soil and waste water analysis. The main purpose of the visit was to gain a practical insight about our subjects. They reached the lab at 10:00 am. They were shown two instruments for element detection namely atomic absorption spectrophotometer and gas phase chromatograph. They were also shown the various methods involved in analysis of waste water from various sources like hospitals, industries, hotels etc. Then, they learnt about soil analysis to find out the fertility of soil samples which is an important parameter for the farmers. They learnt the handling of UV Spectrometer and Flame Photometer and got the chance to take readings of different samples for each instrument. Lastly they went to the microbiology section where microbes are grown by giving them proper media and optimum temperature to grow. At the end there was a brief lecture by Dr. Adarsh to further explain them the importance of water and soil analysis. They came back from the lab at 5:00 pm. The visit to Environ Tech Laboratories was very enriching as it helped them to put their theoretical knowledge into practical use. Twenty Five students participated.



**Hands on Training of Digital Conductivity Meter**

## Science Day Celebration

A slogan writing competition was held on **28<sup>th</sup> February, 2019** with the theme 'Science in Modern Era' to mark the celebration of National Science Day. Around 50 students participated in the contest



**Slogans at Display**