

Sri GVG Visalakshi College For Women, (Autonomous), Udumalpet.

**DBT Sponsored One day training Programme for Chemistry Lab Assistants
from Schools and Colleges**

DEPARTMENT OF CHEMISTRY

Workshop on Lab Safety and Hygiene

Date: 16.12.2017

Time: 10.30 a.m -12.30 pm

Programme

Prayer Song : M.Mahalakshmi, I B.Sc., Chemistry
E.Rajalakshmi, I B.Sc., Chemistry

Welcome Address : Mrs.M.Malarvizhi,
Head , Department of Chemistry.

Resource Persons : 1. Mr.K. Krishnamoorthy , Lab assistant,
Department of Chemistry,
Gandhigram Institute, Gandhigram
2. Mr. G.M. Subramani, Glass Blower,
Department of Chemistry,
Gandhigram Institute, Gandhigram.

Vote of thanks : Mrs.R.Chitradevi,
Assistant Professor in Chemistry.



Sri GVG Visalakshi College for Women (Autonomous)
Department of Chemistry
Report for Workshop on Lab Safety and Hygiene
Date : 16.12.2017

A one day Workshop on Lab Safety and Hygiene was organized on 16.12.2017 by department of Chemistry under DBT – Star College Scheme Programme 2017-2018.

Mr.K.Krishnamoorthy, Lab Assistant, Department of Chemistry, Gandhigram Rural Institute, Gandhigram and Mr.G.M.Subramani, Glass Blower, Department of Chemistry, Gandhigram Rural Institute, Gandhigram were the resource persons of the programme.

Participants from our college, other schools and colleges attended the programme and get benefitted.

In the first session Mr. K. Krishnamoorthy insisted the important duties of Lab assistants, Lab safety and Hygiene which is to be followed in the laboratories.

- Laboratory assistants work in scientific laboratories includes, settings preparing experiments, processing specimens, maintaining lab equipment, and cleaning up after experiments.
- Before an experiment, laboratory assistants should process specimens and prepare the proper experimental set up. Afterward, they clean and maintain the lab and equipments
- They are responsible for setting up lab equipment such as microscopes, test tubes, calibrate glass flasks , as well as preparing and processing lab samples. They must know how to properly handle specimens according to established protocols and follow any regulations related to the type of sample.
- Laboratory assistants are in charge of cleaning lab instruments, sterilizing the test area, calibrating test equipment and following safety procedures when handling dangerous chemicals. They also ensure that the laboratory is stocked with the necessary supplies. .They prepares simple reagents regularly used during lab procedures and ensure that the lab is stocked with the necessary supplies. This includes monitoring all of the supplies used in the lab and restocking them as needed.
- One of the integral duties performed by student lab assistants is securing the lab. This is done by cleaning up any spills, washing the equipment and glassware, such as conical flasks, pipettes and beakers used by students. Assistants also ensure that all caps and tops of reagent bottles are firmly fastened to prevent spills or leakage. They also put back all the reagents and equipment in the designated place after the lesson ends.

- Accidents in a laboratory may lead to injuries, lost lives and property damage. A lab assistant ensures that students do not practice any unsafe behaviors in the lab. They lock up all the reagents and unplug all electrical equipment to minimize the chances of accidents and fires. Assistants show the students how to handle chemical spills, dispose of broken glassware and get rid of non-hazardous and chemical waste safely. They also ensure that students adhere to the lab dress code and wear protective gear, such as safety goggles, during experiments.

In the afternoon session Mr.G.M.Subramani, Glass Blower, Department of Chemistry, Gandhigram Rural Institute, Gandhigram explained how to design and produce glasswares from old glassware, how to repair glass wares, replace stopcock keys etc. He also explained that repairing more complicated pieces can result in very significant savings..

He demonstrated the conversion of waste tube lights into useful boiling tubes and glass tubes via Bunsen burner in an interesting way. Hands on training were given at the end of the session.



After this session all the participants were offered a nice lunch.

This workshop was highly useful for all the Lab assistants in terms of practical knowledge about Lab safety and Hygiene

The participants thank the management and Department of chemistry for arranging such a wonderful programme .