

# **SRI G.V.G VISALAKSHI COLLEGE FOR WOMEN**

(Autonomous)

Accredited at 'A' Grade by NAAC

An ISO Certified Institution

Udumalpet

## **DEPARTMENT OF CHEMISTRY**

### **Report on Hands on training funded under DBT Star College Scheme**

<b>Date</b>	:	2 <sup>nd</sup> March, 2018
<b>Resource person</b>	:	Dr. S. Dhana Kumar Assistant Professor Dept. of Environmental Science P.S.G college of arts and science Coimbatore-14
<b>Audience</b>	:	II B.Sc. Chemistry Students (52) and Staff members (5)
<b>Topic</b>	:	Oxidane analysis and its parameters.
<b>No. of Beneficiaries</b>	:	57

#### **About the Hands on Training:**

It is important to test the suitability of the water quality for its intended purpose, whether it is livestock watering, irrigation, or drinking water. This will assist a person in making informed decisions about the water and how we use it. The purpose of this hands on training on water sample analysis is to provide water quality testing information that will assist students using water from any source of supply. It provides information on the importance of water quality monitoring and how you can get it tested.

#### **Why to test the water?**

- Regular testing is necessary to determine specific water quality problems.
- To help ensure, one is using water suitable for the intended agricultural use.
- To help ensure that the drinking water is safe.
- To help determine the effectiveness of the water treatment system.

The quality of a water source may change over time, sometimes suddenly. Many changes can go unnoticed as the water may look, smell and taste the same as it always did.

Monitoring the water quality is necessary to ensure the treatment system is working effectively, providing the best quality water for the intended use.

The resource person trained the students for the determination of the following parameters in the water sample

1. pH
2. Conductivity
3. TDS
4. TSS
5. alkalinity
6. acidity
7. DO
8. chloride
9. Total hardness