

academic and administrative systems. The working of the college is run by the active participation of the staff.

## **Best Practice No. I**

### **1. Title of the Practice: Extension of Chemistry Laboratory for the Benefit of Society.**

- a) Soil and Water Analysis
- b) Detection of food Adulteration.

### **2. Objectives:**

- 1) To make the farmers aware of their soil health.
- 2) To counsel the farmers to reduce production cost and increase crop yield.
- 3) To make awareness among villages and farmers about quality of drinking water and irrigation.
- 4) To make the people aware about the kind of adulteration of the food products they use.
- 5) To suggest simple method for detection of adulteration in food items.
- 6) To make people aware of their consumer rights.

### **3. The Context:**

The soil is an essential part of agriculture. However, the farmers are neglecting this important aspects thereby their cost of production increases and there is considerable decrease of crop yield. Either the soil is overdosed with the fertilizer or there is a deficiency of fertilizer thereby reducing the productivity of the soil considerably followed by a great decrease in the crop yield. If the soil analysis is carried out it is possible for the farmers to know the nature of their soil deficiency of the nutrients in the soil so that they can improve the soil accordingly.

There is a complete awareness about the quality of water. The people are using for drinking water as well as water for irrigation. This leads to serve health problems hence it is essential to analyze the quality of water so that many waterborne diseases can be avoided.

It is absorbed that many of our food items are adulterated leading to number of diseases. If people are made aware about the adulteration in foods the diseases could be avoided

### **4. The Practice:**

The collection of the soil sample is the first step of soil analysis. The college has prepared pamphlets about how to collect soil sample from the field. These pamphlets are distributed among the farmers on the weekly bazaar day. The farmers accordingly collect the soil sample from their fields

and bring them to our chemistry lab for soil analysis. The soil sample thus received is analyzed by the college staff and students using soil testing kits and standard given method of analysis. The soil test reports are prepared and farmers are asked to come on the nearest possible date on which they are counseled on the cropping pattern, the type and dose of fertilizer on the basis of their soil test report.

The students are made aware about the importance of the soil and water analysis and bring about the collection of soil and water samples from the respective villages and bring them for analysis in the college. The students are involved in the soil and water analysis.

A demonstration is given to the students about the adulteration in food items. A demonstration is also given before the people about the food adulteration so that their awareness about the same should be improved.

### **5. Evidences of Success:**

Feedback from the farmers about the soil test reports is very encouraging to us. The farmers mentioned that their expenditure on fertilizers has been reducing considerably and the crop yield has also increased. Many farmers have mentioned that water analysis has helped them to reduce the irrigation problem. The Villages came to know about the quality of water they are using thereby they take proper care for using the same. The people expressed that they never knew about the adulteration in food items.

### **6. Problems Encountered :**

- The farmers are very much reluctant upon soil testing.
- The farmers do not want to change their traditional method of agriculture.
- They completely neglect the quality of water for drinking as well as for irrigation.
- The eating habits of the people are responsible for neglecting the food adulteration issues.

### **7. Resources Required :**

- Herculean efforts are needed to make people aware about soil, water and food.
- We need the atomic Absorption spectrometer for micronutrients analysis
- Incubators are needed for the microbial analysis of water and soil.

## **Best Practice No.II**

## **1. Title of the Practice: Student Board**

### **2. Objectives**

- a) To enhance and maximize the information resources available for the students.
- b) To share the collected information and their views on different topics of current interest.
- c) To encourage about the development of artistic and literary side among the students.
- d) To promote the students to express their literary talent.
- e) To promote the students for prosperous use of their leisure time.
- f) To develop the various skills like writing, communication and creativity among the students.
- g) To develop, organize and maintain the user centered environment conducive to intellectual vitality, exploration and exchange of ideas among the students.
- h) To encourage the diversity of forms in literary expression like poetry, short story, articles, humor, graffiti Award in the teaching field etc.
- i) To provide a proper learning and living environment for the cultivation of scholarly people.
- J) To promote and share information necessary for competitive examinations.

### **3. The Context**

The students need a platform where they can express, share and exchange their views on the topics of current interest and information collected by them in different forms. Publication of the magazine is time consuming and lengthy process. On the other hand, the students go very fast and in expansive method and share their knowledge. The college has employed a good board method for the convenience of the students.

### **4. The Practice**

The students who wish to share their information come and submit it to the concerned teacher. The information is scrutinized by the editorial board and displayed on the "Student Board". The information such as news paper cutting on current issues, small articles written by the students, some Net searched material are usually displayed on the "Student Board".

### **5. Evidence of Success**

The students regularly observe the student board and get motivated to share information among themselves. The students also express that the Student Board serves as a ready and a useful resource for competitive examinations.

### **6. Problems Encountered**

There was a very slow response from the students initially. Our staff members had to initiate that particular activity first as a part of demonstration. Due to lack of expression power, the students are highly reluctant to come forward. But later on, they get proper grooming and overcome this particular difficulty. Obviously, they become aware of various information resources. The attitude of the students regarding not sharing their information even about the relevant information had been a great problem we had to face.