

## **Best Practice I**

**Title: Skill Development for self-employment of the rural youth.**

### **Objectives:**

- To give students hands on trainings in different fields that is relevant to the rural youth, especially the girls.
- To undertake the skill development programs which have direct potential to generate self-employment.

### **The context:**

The College has been a knowledge hub to the area since last hundred years. In the present scenario it is realized that knowledge alone cannot serve the purpose in the market oriented world. The college has a good pool of hard working youth that needs a different orientation than the usual job seeking mentality. They need to be convinced, if they have skill along with knowledge they need not to look for jobs but can generate self-employment. The skills were chosen while keeping in mind that the most of the students are rural and from economically backward strata.

### **The programs undertaken**

#### **I. Training Program on Tailoring for Rural Girls:**

The College organized two consecutive training programs on tailoring for girls during the year 2019-2020. The first Training Program on Tailoring was 30 days program (16 Nov. 2019 - 16 Dec. 2019) and the similar second training program of 25 days was organized (04 Feb. 2020 to 28 Feb. 2020). The Students were trained by a qualified tailoring professional. 76 girl students completed the programs successfully. The students felt confident enough to follow up the skill further and could enter into the field of tailoring as a professional. The program was a huge success and appreciated by the local society.

#### **II. Training Programme on Food Processing:**

Since the college has a unique location as it is surrounded by agricultural belt, it was natural to come up with some training programs related to agriculture. The initiative was taken by the department of Horticulture which organized 11 days training programme on preparations of food products (05 Feb. to 15 Feb 2020).

31 students participated in the training program undertaken by a professional trainer. The students were given hands on training for preparation of food products such as jams, jelly, prickles and murabbas. Even the products were sold both inside and outside the campus and liked by the people.

### **III. Training Program on preparation milk products :**

In the same line of action, two more agriculture based training programs were undertaken by Department of Dairy Science and Technology. The first Training, a 15 days Program, under UGC-CPE Grant was organized on preparation of different milk products (15.11.2019 to 29.11.2019). In this training program the students were trained for preparation of milk products such as Sweets, Ice-cream and Cheese. 15 students participated and completed the program successfully.

The second similar 10 days Training Program, under UGC-CPE Grant was also organized exclusively for girl students (01.02.2020 to 10.02.2020). 15 girl students participated and completed the program successfully.

### **IV. Preparation of Herbal Hand Sanitizer:**

In the wake of the novel coronavirus disease (COVID-19) pandemic, demand for hand sanitizer increased in the market. The idea of producing cheaper, small scale preparation of hand sanitizer for personal use was realized. The college organized the two days program (06.03.2020- 07.03.2020). 41 students participated in the program.

### **V. Preparation of White Phenyle:**

A two day training programme on the Preparation of white Phenyle was organized by the college (04.03.2020 to 05.03.2020). 41 students of different stream were trained in the program.

### **Evidence of Success:**

The success of these programs is evident from the fact that the students have shown positive response towards the programs. After taking those trainings the student felt more enthusiastic about their career goals. They gathered confidence, at least they have some basic skills along with their degrees and they can avail opportunities with those skills in hand. In near future there seems a good scope for the students to start a Small Scale Industry.

### **Challenges encountered:**

Many more students were willing to participate in these programs. They could not take part in the programs, because of being situated in a rural set up, where those students have to devote time in travelling, doing agricultural related activities at home and perform other household works.

## **Best practice II**

**Title of the Practice: Enhancement of the teaching learning capacity of the teachers in sync with advancements in teaching technology and methodology.**

### **Objectives:**

- To enhance competency of the teachers in teaching, learning and research
- To encourage faculty members to update their specialized knowledge base.
- To push forward faculty members for learning emerging education technologies and methodologies.

### **Context:**

The last decade has shown an unprecedented growth in the computing power and internet reach. The covid-19 pandemic has steered teaching learning process towards online mode. These factors lead to emergence of entirely new way of dissemination of knowledge and that has changed the face of the teaching learning arena. Owing to being an institution that UGC has considered as “potential for excellence” it was obvious choice to prepare its human resource for excellence in teaching.

### **The Programs:**

#### **Encouraging Research in the institute:**

The Institution facilitated the research oriented atmosphere and conducted the workshops/webinars to promote the research. Department of Dairy Sciences and Technology organized a one day national Webinar on “COVID-19 Challenges and Approaches in Animal Production in India” on 25 May 2020 and Department of Hindi organized two national webinars: two days national webinar on 17.02.2020- 21.02.2020 and one day national webinar on 28.06.2020.

#### **Faculty enrichment programs:**

23 faculty members of the college enrolled in different subject specialized programs and completed those programs successfully. They participated in different learning programs such as Faculty Development Programs, short time online courses, National web series cum training programs, orientation programs and refresher courses. The faculty members of the college completed 23 Faculty Development Programs, 27 Short Time Online Courses, 01 National Web Series cum Training Program, 08 Orientation Programs and 02 refresher courses.

The faculty members acquired new insight through these programs. Out of plethora of specialized knowledge, few specialized fields are worth declaring here which were imbibed by the teachers: MOOCS, e- content writing, writing and assessment tools, drug discovery, GM crops, Open source tools for research, Biofuels, intellectual property rights, climate change and Health, genomic technology, Machine Learning and Deep Learning,

Nanotechnology in Agriculture, Machine Learning Using SAS Viya, Data Science Training and Agripreneurship.

Beside these Faculties participated in National, International conferences/workshops and enhanced knowledge and acquired new skills for effective teaching.

### **Teaching- Learning through field survey:**

Field survey on one hand can give students real time learning and understanding scientific phenomenon practically. On the other hand teachers may also get new perspective from live observation in the field. Department of Botany took the initiative and organized a three days field survey tour for M. Sc. students to Dehradun, Mussoorie and Dhanaulti Eco Park. (23 - 25 September 2019). The students visited Doon Herbarium and witnessed depositary of more than 03 lakh plants, Also taken glimpse of rare plants at Forest Research Institute's Botanical Garden and Eco Park at Dhanaulti. The students collected around 45 Angiosperm plant species along with Pteridophyte and Gymnperm specimens for practical laboratory work. The students considered it joyful and life time learning experience.

### **Seminars and discussion:**

Most of the Post Graduate departments of the college organize weekend departmental seminars. The students are encouraged to participate in such seminars that enhance their expression and communication skills.

### **Network (INFLIBNET):**

The institution provides this digital platform to provide free access and downloading of articles for the students and the staff.

### **Wi-Fi Campus:**

The institution provides the internet facility to all the departments and office.

### **Evidence of Success:**

The institution is one of the leading centre of education, recognized by UGC as Centre with potential for excellence. The faculty members of the institution have a good research background and a number of research papers have been published in good impact factor journals. The faculty members actively participated and presented their papers in national/international conferences.

### **Challenges Encountered:**

In many departments of the institution the posts of teachers are lying vacant. Due to the shortage of the teaching staff, the departments are facing hard times and trying to give extra time for teaching to compensate the lack of teachers that causing shrinkage of time for personal growth and exploration.