

## DEPARTMENT OF MATHEMATICS

### **Title of the Practice:**

### **Preparing Students for Competitive Examinations in Mathematics**

### **Objectives of the Practice**

- To arrange lecture series on various life-oriented mathematics topics
- To create interest in various competitive examinations among the students
- To prepare students for competitive examinations
- To enrich students' skill-based knowledge in operation research and various mathematical software

### **Intended outcomes:**

- The students are prepared for competitive examinations.
- Interest in various competitive examinations was created among them.
- Among fifteen enrolled students two participated in the activity
- students' skill-based knowledge in operation research and various mathematical software was enriched.

### **The Context:**

S.P.H. Arts, Science and Commerce College, Nampur is located in a hilly area. The students admitted to the department are chiefly coming from this mofussil area. They find various difficulties in acquiring skill-based knowledge in operation research and various mathematical software. Therefore, the Department of Mathematics commenced a lecture series for these students. Scholarly lectures with hands-on training were arranged by the department. As a result of these fifteen students continuously participated in the lecture series two students got the experience of going through competitive examinations such as the Aryabhata National Math Competition held by the All-India Council for Technical Skill Development,

and Mini Mathematics Training and Talent Search Program, by Bhaskaracharya Protistans, Pune.

### **The Practice**

Taking the needs of the students into consideration topics were allotted to the scholarly professors invited for the lecture series. Prof. N. O. Dabhade, Dept. of Math, Swami Muktanand College of Science, Yeola, Nashik, enlightened the students on the topic, 'Lecture on Simplex Method of the Course Operations Research', 'Simplex Method by Big- M'. Prof. Dr K. C. Takale, Dept. of Math, R.N. C. Arts, JDB Commerce and NSC Science College, Nashik Road, enlightened students on 'Maxima Software'. Twenty students benefitted from the lectures.

### **Evidence of Success**

The department made efforts for the attendance of the maximum number of students along with their participation in various competitive examinations. As a result, these two students participated in prestigious competitive exams, such as the Aryabhata National Math Competition held by the All India Council for Technical Skill Development, and the Mini Mathematics Training and Talent Search Program, by Bhaskaracharya Protistan, Pune. This is an indication of success for the students in the mofussil area.

## EVIDENCE OF SUCCESS:

Certificate obtained by the student on 'Aryabhata National Maths Competition'



Certificate obtained by the student on 'Mini MTTs Program'

