

## **NMU Summer Research Aptitude Cultivation Workshop, June 2018**

### **(for undergraduate students of affiliated colleges)**

Knowledge and innovations are going to be the twin agents of change in present century. Whereas, the former strengthens the thought process, the latter transforms it into products/services. Basic research is the mother of all the applied research and technological innovations. It also provides vent to one's imagination and creativity. To motivate the young talented students studying in the graduate program of affiliated colleges towards this fascinating world of research and innovation, it is necessary to provide a suitable eco-system and carefully cultivate and nurture research aptitude in them. With this brief background, the aims/objectives of the program are -

#### **Objectives:**

1. To inculcate research aptitude, analytical abilities and independent thinking abilities among graduate students.
2. To familiarize them with research culture, activities, modern & sophisticated instruments and facilities on campus.
3. To attract and motivate the young students to pursue career in basic and applied research.

#### **Eligibility and Selection Process:**

- Student shall be a regular and meritorious student of the college with demonstrable inclination towards research.
- He/she should have appeared for S. Y. B. Sc. Examination with no backlogs of previous examinations.
- Each of the affiliated science college can provide names of up to 3 students by selecting among the interested students.
- Names of the shortlisted students shall be uploaded by the respective colleges online on University Website along with a form on a link to be made available separately.
- The University will screen all the applicants and select the required number. Names of the selected students shall be made available on website.

**Duration** = 10 days : (June 1-10, 2018)

**No. of students** : 50

### **Activities on Campus:**

- ◆ Lectures by Scientists/Academicians on frontier topics in Physics, chemistry, computer science, mathematics/statistics, engineering and technology, Life sciences etc. shall be arranged for students
- ◆ Demonstration and visit to various facilities on campus
- ◆ Industry tour(s)/visit
- ◆ Screening of scientific movies/videos
- ◆ Exploration of Mobile Science Exhibition Unit

### **Time Line:**

- ◆ Announcement of summer school for undergraduate students on website. : 15/02/2018
  - ◆ Link and form to be made available for shortlisted Students : 1/03/2018 to 24/03/2018
  - ◆ Hard copy submission : 06/04/2018
  - ◆ Screening, final selection and uploading the list of selected students. : 28/04/2018
  - ◆ Selected students arrive on campus : 31/5/2018 (Thursday)
  - ◆ Workshop duration : 1/06/2018 to 10/06/2018
- Each participant shall be given a certificate by the University after completion of the workshop
  - University shall make lodging and boarding arrangements for the students on campus
  - No student shall be allowed to leave the workshop in the middle for any reason
  - Students shall have to submit a feedback form after the completion of workshop

### **Workshop Co-ordinators**

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