

Outreach Activity Report

**Jaypee University of information Technology, Wagnaghat,
Solan-173234, H.P.**

Activity: Science and Engineering Workshop

Date: 14-06-2017

Places of Activity:

1. St. Marry School, Sundernagar, H.P.

Target Audience: Students of High School (+1) and higher secondary (+2) and teachers of the schools

Number of Participants: 120-130

Objectives of the activity:

1. Student awareness for new and exciting carrier opportunities at JUIT.
2. To make students familiar with new and emerging fields of studies such as Bioinformatics, Biotechnology and Electronics etc.
3. To provide the students hands on experience on several experiments, systems and techniques such as plant tissue culture, gel electrophoresis for DNA, Bioinformatics, Basic electronics, Robotics etc.

Team Members and Departments:

Faculty:

1. Dr. Tiratha Raj Singh, Assistant Professor (Senior Grade), Department of BT and BI
2. Dr. Rahul Shrivastava, Assistant Professor (Senior Grade), Department of BT and BI

3. Dr. Naveen Jaglan, Assistant Professor (Grade-II), Department of ECE

Lab Staff:

1. Mr. Baleshwar, Department of BT and BI
2. Mr. Kamlesh, Department of ECE

Students:

1. Tushar Barwal (BTDD final Year) Department of BT and BI
2. Ritika (PhD scholar) Department of BT and BI

Content of the activity:

1. Lectures
 - (i) Dr. Tiratha Raj Singh - Bioinformatics and Career Opportunities in Information Technology and Bioinformatics
 - (ii) Dr. Rahul Shrivastava - Career, Training and Placements after BTech in ECE, BT and BI.
 - (iii) Dr. Naveen Jaglan - Robotics and its applications.
2. Lab demonstrations: By all faculty, lab staff and students
3. Interaction with school teachers
4. Interaction with students

Outcome of the activity:

1. Informal feedback from participants in this activity has been very positive. For the activity; the responding students indicated that they had a better understanding of science, had an increased interest in looking up more information on their own.
2. The students responded that participating in the activity increased their interest in studying science such as biotechnology, bioinformatics, electronics and communication engineering and becoming scientists and engineers in the respective fields.
3. Some of the more memorable experiences that students reported while biologists include the following: hands on learning about bioinformatics and even performing gel

electrophoresis; examining cells using an electron microscope; plant tissue culture, micropipetting etc. and learning about robotics and nanotechnology.

- The results from activity show they seem to have a positive effect on students' interest in science. Overall, the student responses were very positive for the activity, and this may be due to the longer, more personal interaction with a scientist that students receive in this program.

Media Reports: Divya Himachal: 15/06/2017



छात्रों को ज्ञान

सोलन — जेपी यूनिवर्सिटी वाकनाघाट द्वारा सुंदरनगर में कार्यशाला का आयोजन किया गया। इसमें दस जमा एक व दो के विद्यार्थियों को बायोटेक्नोलॉजी, बायोइन्फार्मेशन व इलेक्ट्रॉनिक्स विषयों के बारे में जानकारी दी।



सोलन : जेपी यूनिवर्सिटी में छात्रों के लिए विशेष एकदिवसीय कार्यशाला का आयोजन किया गया। इस दौरान बुधवार को दिन भर छात्र विभिन्न क्षेत्रों की जानकारी जुटाते दिखे


