

# Outreach Activity Report

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

**Activity:** Science and Engineering Workshop

**Date:** 12-10-2017

## **Places of Activity:**

1. DAV Public School, Saraswati Nagar, Rohru, H.P.

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

**Number of Participants:** 65-70

## **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. Anil Kant Thakur, Assistant Professor (Senior Grade), Department of BT and BI

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

**Lab Staff:**

1. Mr. Ismail, Department of BT and BI
2. Mr. Abhishek, Department of ECE

**Students:**

1. Mr. Vineet Mehta (PhD scholar) Department of BT and BI
2. Mr. Pulkit Anupam Srivastava (BTech student) Department of BT and BI

**Content of the activity:**

1. Lectures
  - (i) Dr. Tiratha Raj Singh and Dr. Anilkant Thakur interacted with students about Bioinformatics, Biotechnology and Dr. Naveen Jaglan about Electronics and Communication and Career Opportunities in these areas.
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.

4. 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 Report appeared in Divya Himachal dated 13/10/2017.

## जेपी विवि ने जगाया अलख



दिव्य हिमाचल ब्यूरो, सोलन

जेपी विश्वविद्यालय द्वारा शिमला जिला के डीएवी स्कूल रोहडू में एकदिवसीय कार्यशाला का आयोजन किया गया। इस कार्यशाला में बच्चों को इंजीनियर टेक्नोलॉजी के बारे में जानकारी दी गई। विश्वविद्यालय द्वारा इससे पहले भी कई स्कूलों में इस तरह की कार्यशाला आयोजित की जाती रही है। इस कार्यशाला में जेपी विश्वविद्यालय से सात लोगों की टीम ने बच्चों को करियर के बारे में बताया गया। कार्यशाला में बच्चों ने बढ़-चढ़ के भाग लिया। इस दौरान बच्चों को

बायोटेक्नोलॉजी, बायो इनफॉर्मेटिक व इलेक्ट्रॉनिक में करियर बनाने के बारे में बताया गया। इस कार्यशाला में डा. तीर्थ राज, डा. अनिल, डा. नवीन ने बच्चों को विस्तारपूर्वक जानकारी दी। डा. तीर्थराज ने बताया कि जेपी विश्वविद्यालय के कुलपति विनोद कुमार विवि के निदेशक प्रो. समीर गुप्ता के मार्गदर्शन से इस तरह की कार्यशाला का आयोजन विभिन्न स्कूलों में किया जा रहा है।

दिव्य हिमाचल  
13/10/2017

**Group Photograph of JUIT Team with school Principal, teachers, staff and students:**



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