

Outreach Activity Report

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

Activity: Science and Engineering Workshop

Date: 05-08-2017

Place of Activity: DAV School, Bilaspur, H.P. and DAV School, Barmana, H.P.

Outreach activity was done in two reputed DAV schools, one in the morning (Bilaspur) and other in the evening (Barmana) on same day.

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

Number of Participants: 140-150

Media Reports: Divya Himachal: 06/08/2017



छात्रों ने जानी बायो टेक्नोलॉजी



सोलन- जेपी विश्वविद्यालय में अनोखी कार्यशाला का आयोजन किया गया। ज्ञात रहे कि जेपी विश्वविद्यालय समय-समय पर पूरे हिमाचल प्रदेश में स्कूलों के छात्रों के लिए विज्ञान एवं प्रौद्योगिकी की कार्यशालाओं का आयोजन करता है। शनिवार को ऐसी ही दो कार्यशालाओं का आयोजन किया गया। इस बार यह कार्यशाला डीएवी स्कूल बिलासपुर एवं डीएवी स्कूल बरमाना में की गई। जेपी विश्वविद्यालय की एक टीम ने डा. सुधीर कुमार के नेतृत्व में बायोटेक्नोलॉजी, बायोइंफार्मेटिक्स, इलेक्ट्रॉनिक्स, कम्यूनिकेशन एवं रोबोटिक्स के बारे में विस्तृत जानकारी दी। डा. तीर्थराज सिंह ने बायोइंफार्मेटिक्स पर तथा डा. नवीन जगलान ने इलेक्ट्रॉनिक्स पर छात्रों को संबोधित किया। इस्माइल व प्रमोद ने तक्रीशियन की भूमिका अदा की व पीएचडी छात्र तुषार की सहायता से बच्चों को वैज्ञानिक परीक्षण करवाए। डा. अनिल कांत ने भी परीक्षणों में मदद की तथा बच्चों को डीएनए इलेक्ट्रोफोरेसिस तथा पीसीआर के बारे में बताया। छात्रों व शिक्षकों ने कार्यशाला का भरपूर आनंद उठाया व नई जानकारीयां हासिल कीं।

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. Sudhir Kumar, Associate Professor, Department of BT and BI
2. Dr. Tiratha Raj Singh, Assistant Professor (Senior Grade), Department of BT and BI
3. Dr. Anil Kant, Assistant Professor (Senior Grade), Department of BT and BI
4. Dr. Naveen Jaglan, Assistant Professor (Grade-II), Department of ECE

Lab Staff:

1. Mohd. Ismail Siddiqui, Department of BT and BI
2. Mr. Pramod Kumar, Department of ECE

Students:

1. Tushar Barwal (BTDD final Year) Department of BT and BI

Content of the activity:

Lectures: Dr. Sudhir Kumar, Dr. Tiratha Raj Singh and Dr. Navin Jaglan interacted with the students about various career opportunities in Biotechnology, Bioinformatics and Electronics.

1. Lab demonstrations: By all faculty, lab staff and students
2. Interaction with school teachers and 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. 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.

Group Photo With students from the event:


