

Study tour (07 October 2017)

INDUSTRIES / ACADEMIC VISIT

Academic institution visit (a part of Industrial visit) was carried out at Central Research Institute, Kasauli- HP on 07th October 2017 especially for the third semester students. The purpose of the visit was to make students aware about how various activities related to microbiology, vaccine, antisera and diagnostic reagent production are carried out in Govt. research institution. This was also to provide



them feel of biotechnology applications as soon as they start their course.

Central Research Institute (CRI) is a premier research institution dedicated to research in the field of medical and public health, manufacture of vaccines and antisera, human resource development and to act as a national referral centre for public health problems. The contribution of the Institute towards vaccine production during the period of the Second World War for the immunization of troops to keep them fighting, finds no parallel.

Recent developments in regulatory requirements and introduction of Schedule M



concept in vaccine manufacturing emphasized the need of cGMP compliant infrastructure and processes. Creation of cGMP compliant DPT production facility has made CRI as the first Central Government Institute to have cGMP compliant infrastructure for vaccine production.

Dr. Sudhir Syal, Dr. Udaybhanu along with 32 students visited the research institute located in Kasauli – H.P. The faculty member had an interaction with CRI Director –Dr. Ajay Kumar Thalan and briefed him about the program of the department. The areas were identified for possible collaboration of JUIT-CRI. Mrs Preet Thakur of CRI guided the JUIT team to the respective laboratory, where an orientation of institution was given by Mrs. Thakur about history and main products developed at CRI. After introduction, all students were divided in two groups of 16 each and were headed by one staff member of respective research lab who helped them to understand the research work going on the respective lab.

Students took almost three hour to see complete set of instruments and production facilities of vaccine manufacturing. This was followed by questions of students. The JUIT team appreciated staff member who guided students and answers their queries.



CEC INDUSTRIAL TOUR

Civil Engineering Consortium (CEC) successfully organized its first industrial tour on **3rd Feb, 2018** under the guidance of Mr. Pankaj Gandhi (Manager HR), Ambuja Cement Plant. The total number of students that went for the industrial tour were 41 along with two faculty members

- Abhilash Shukla
- Niraj Singh Parihar

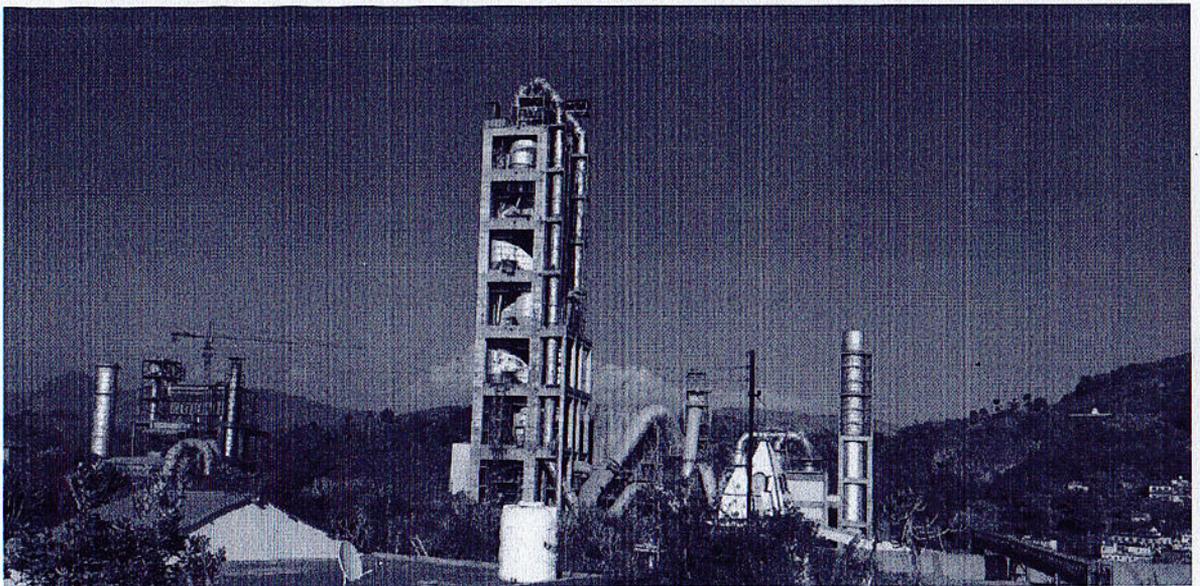


Civil students along with faculty and guides from Ambuja Cement



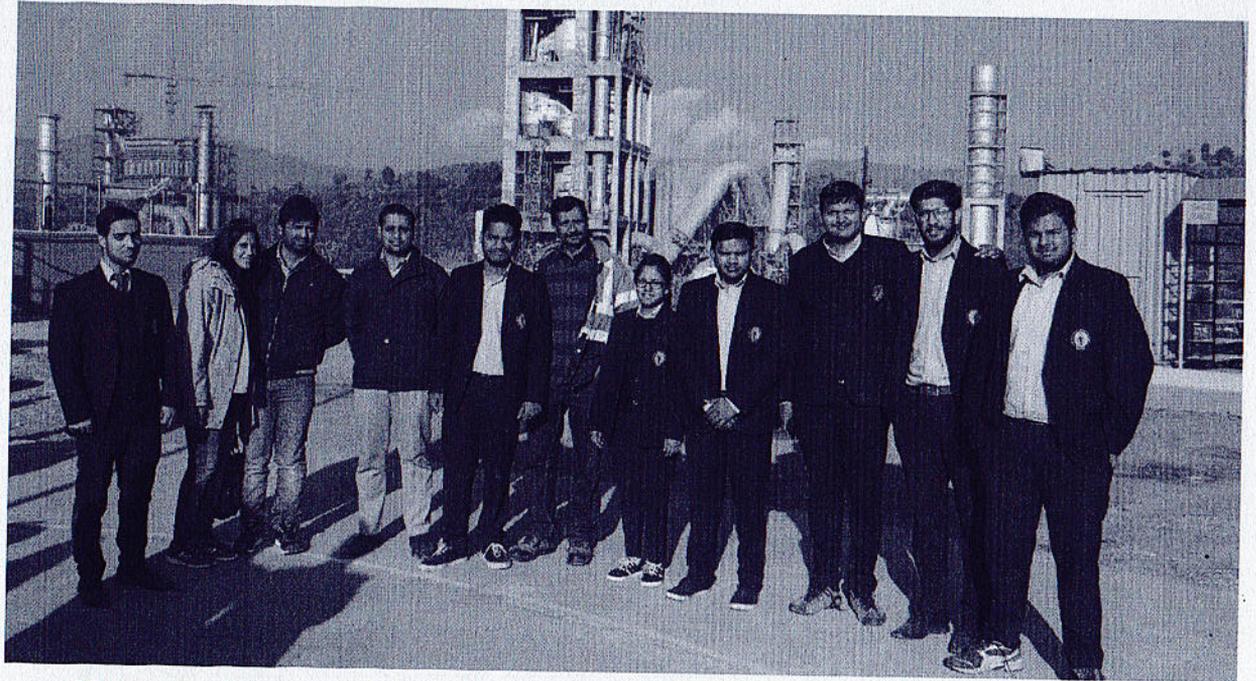


Guide discussing about the process in cement manufacturing



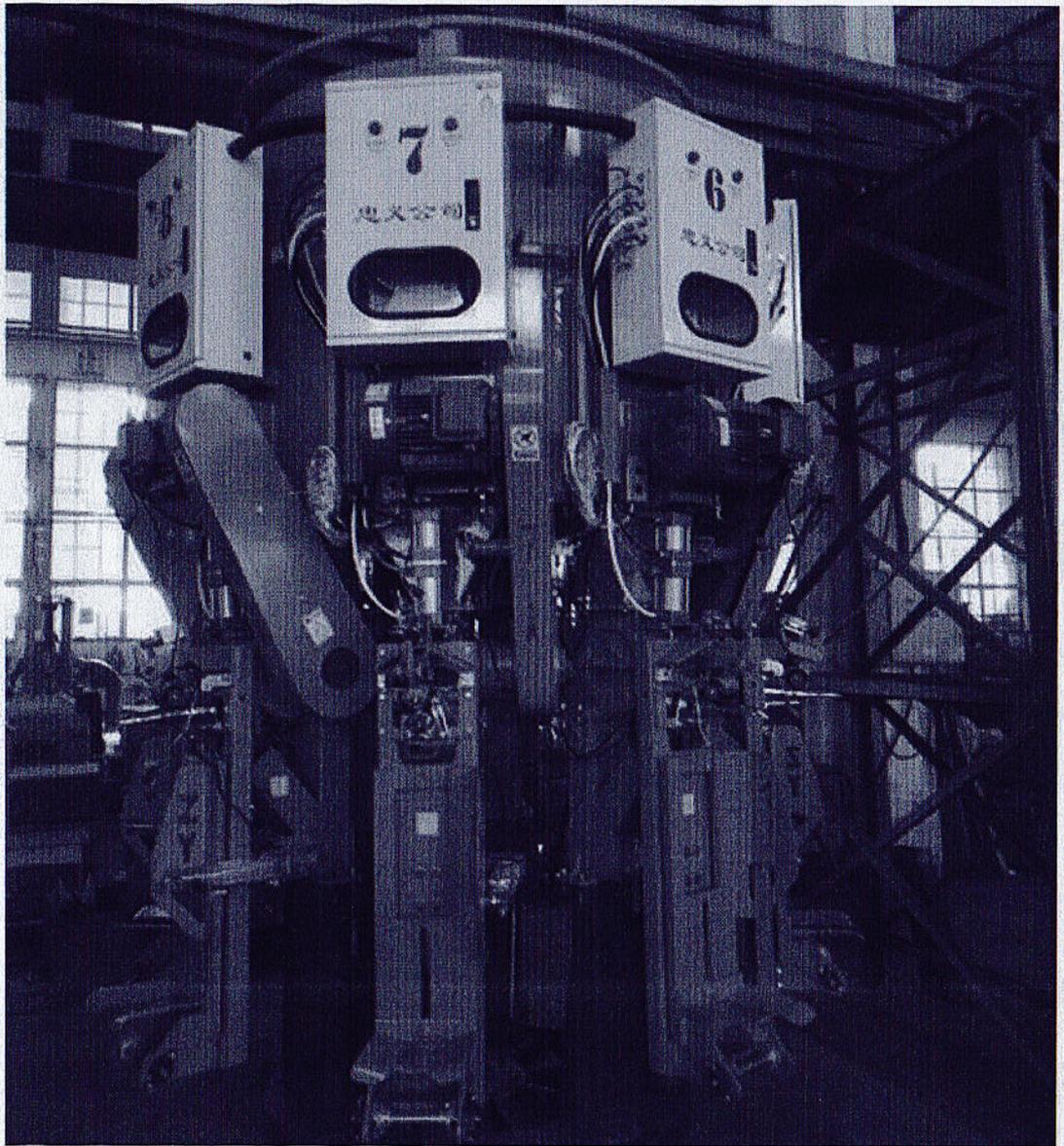
Preheater





CEC TEAM along with Faculty and Guide from Ambuja Cement Plant

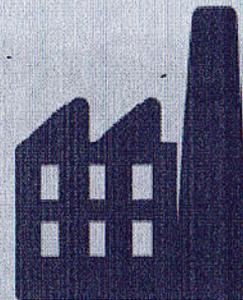




Packing Plant

INDUSTRIAL VISIT

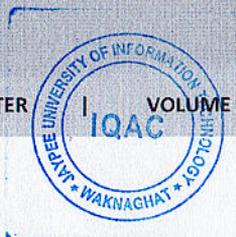
Visit of CSE/IT Department to
CDAC & Adonis Medical System Pvt Ltd (Mohali)
March 27th, 2018



Industrial Visits

A Group of 25 students (girls) from the Department of CSE/IT of JUIT visited CDAC, Mohali and Adonis Medical System Pvt Ltd, Mohali on a one day industrial tour on March 27, 2018. At Adonis Medical System Private Ltd students were appraised about use of various medical X-ray devices. At CDAC, students were informed about various advanced courses, and

research projects of CDAC. Dr. Sanjay Sood, Joint Director, CDAC Mohali encouraged all the students to choose Advanced Course. Dr. Pradip Singh and Dr. Yugal Kumar directed the industry tour from JP University School. Industry excursion was organized by the JUIT ACM Student Union.



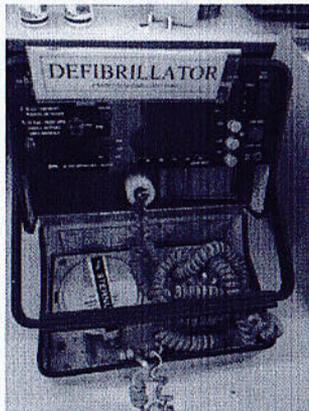
INDUSTRIAL VISIT

Visit of ECE Department to CDAC

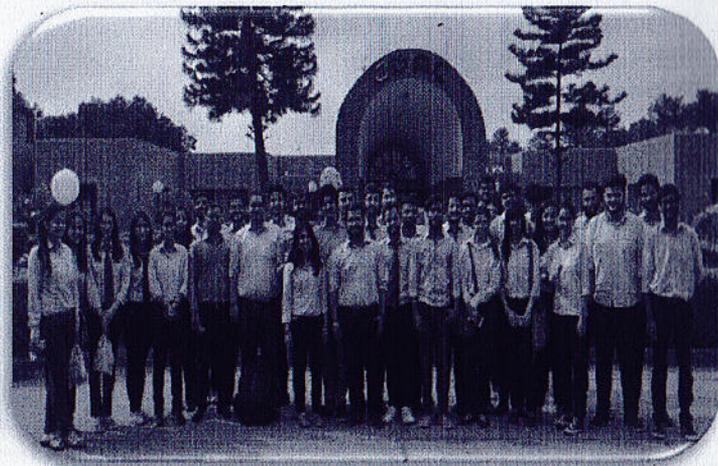
April 13th, 2018

An Industrial visit to C-DAC Mohali was organized by Dr. Shruti Jain, Electronics & Communication department of JUIT, Wagnaght on 13th April 2018 for B.Tech 3rd year students to familiarize them with various aspects of applied electronics, technology and applications. Dr. Vikas Baghel and Dr. Harsh Sohal accompanied them.

The Centre for Development of Advanced Computing (C-DAC) is the premier R&D organization of the Ministry of Electronics and Information Technology (MeitY) for carrying out R&D in IT, Electronics and associated areas. CDAC also prides itself for



being the first to build India's first super computer named "PARAM".



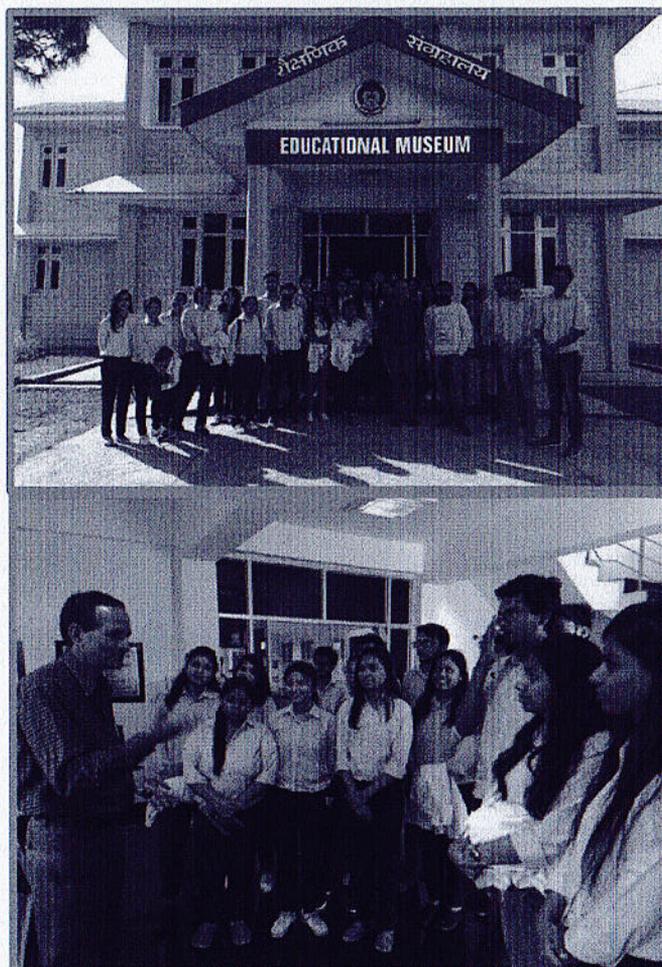
In the introductory session, students were introduced to the history of C-DAC, research and development at C-DAC, and different courses provided by CDAC. This session concluded with a very enlightening presentation which threw light on an organization where researchers develop and implement various world class products like High Performance, Grid and Cloud Computing (HGCC) systems, Professional Electronics, VLSI & Embedded Systems, Health Informatics systems etc. In the second session, a presentation on the IoT was given by Ms. Preeti Abrol (Principal Engineer). After the session the students were taken to different labs and briefed about the processes and operations undertaken in labs. During the lab tour, students were given a brief idea on the technical aspects and uses of different equipment. The curiosity of the students was finally satisfied when a question answer session was conducted by Mr. Harpreet Singh (Project Associate). The students were provided with deep insights about the C-DAC, Mohali and each and every question was patiently answered by him.

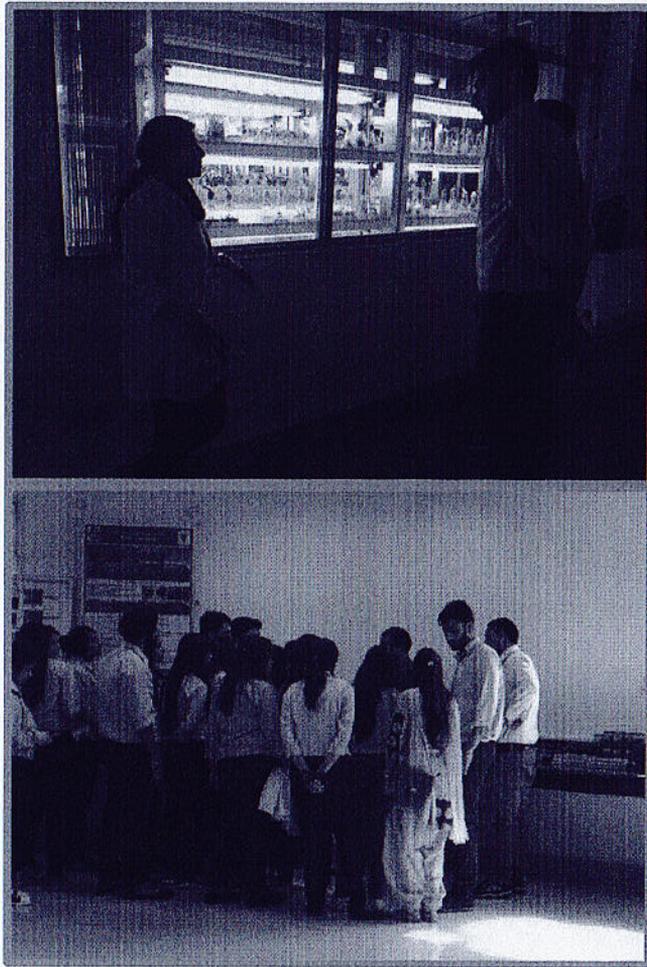


**ACADEMIC INSTITUTION VISIT TO
CSIR - Institute of Himalayan Bioresource Technology, Palampur
& CSK-Himachal Pradesh Agriculture University, Palampur
Himachal Pradesh – 176062**

An educational /research excursion was organised for the IIIrd year Biotechnology students from 16th April, 2018 to 19th April 2018. Dr Abhishek and Dr. Jitendraa along with IIIrd year students visited different labs of to Institute of Himalayan Bioresource Technology (IHBT) and CSK-Himachal Pradesh Agriculture University Palampur of Himachal Pradesh which are known for their repute national level in the area of Himalayan biotechnology research.

The purpose of visit was to educate the students towards various current research activities which have been practised in the premier research labs in government sector. Major visit of labs was done in 'natural product chemistry and process development'; advance molecular biology lab; plant biotechnology labs and 'aeroponics & hydroponics labs'. Students were also visited central instrument facility of IHBT where students got a chance of demonstration of state of art biotechnology instruments. During the visit, students interacted with various scientists and discussed the basics of various research programmes in IHBT.





Photographs of interaction at IHBT and Palampur University





Photo 3: B. Tech 4th year students in the lab of Floriculture at UHF Nauni Himachal Pradesh.



Photo 4: Lab of Toxicology (Left) and Floriculture (Right) at UHF Nauni Himachal Pradesh. Dr. S.K. Patyal teaching about the screening and quantification of pesticides in the crops and vegetables. Dr. Pooja Garla showing the ongoing research projects in floriculture laboratory.

