

Report on World Earth Day Held on 22 April 2022

Date of Event	8 April 2022
Name and Type of Event	UCIL industrial cum Educational visit
Conducted by	Dr. Santosh Kumar Singh
No. Of Participant	30

On 8th April 2022, industrial trip to Uranium Corporation of India Limited (UCIL), Jamshedpur, was organized by Department of Biotechnology, ARKA Jain University in association with CII-Yi for B.Sc. Biotechnology students.

Uranium Corporation of India Limited was incorporated on 4th October 1967. It is a Public Sector Enterprise under the Department of Atomic Energy with a special standing at the forefront of Nuclear Power cycle. It plays a very significant role in India's nuclear power generation program. Thirty B.Sc. Biotechnology students visited the mining area of UCIL to understand the occurrence of uranium and other ores, their mining process, effects of radiation as well as the risk associated with it. Students visited the arch room which consists of six detectors, four are on the side and two are on the ceiling which detects the gamma radiation coming from the ore extracted so that the percentage of uranium can be detected. Dr. Prashant Das, Additional Manager Geological Department, UCIL brief about the purity percentage of uranium which was 0.5% & the amount of uranium extracted. Then, they told about the further processing of grinding and processing & the final sample goes to the lab for the chemical & purity testing.

After the mining area visit, students visited the Health Physical center that is under Bhabha Atomic Research Centre. Mr. B. K Rana, Radiological Safety Officer briefed about the history of Homi Jehangir Bhabha and HBNI. Dr. Sameem showed various laboratories for testing water, soil, air and plants samples taken from the uranium mine area. The students saw the latest laboratory equipment which would be helpful for their research.

The trip was organized under the guidance of Dr. Santosh Kumar Singh, Program coordinator, Department of Biotechnology. Such educational trips are important in

providing real life experiences and developing scientific temperament in the students. Dr. Chandra Prabha Sahu, Dr. Jyoti Khurana, Mr. Rahul Pasari, Mr. Harsh Kedia accompanied the students during the trip.

Poster of the Event

The poster is for an industrial visit to UCIL. It features a large image of the UCIL industrial facility with yellow buildings and green piping. The text is primarily in white and yellow on a dark blue background. Logos for JGI, ARKA JAIN University, Young Indians, and CII-YI YUVA are present. The event is organized by the Department of Biotechnology in association with CII-Yi. The date is 8th April, 2022, for B.Sc. Biotechnology students in 2nd, 4th, and 8th semesters. Faculty Coordinator is Dr. Santosh Kumar Singh and CII-YI YUVA Chair is Mr. Rahul Pasari. Contact information for Dr. Santosh Kumar Singh is provided at the bottom.

JGI | **ARKA JAIN University**
Jharkhand (Jamshedpur)

YI | **YUVA**
Young Indians | YUVA
Youth United for the Service of the Nation

Department of Biotechnology in association with CII-Yi organized

UCIL
INDUSTRIAL VISIT
8th April, 2022
For: B.Sc. Biotechnology 2nd, 4th and 8th semester

FACULTY COORDINATOR
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Glimpse of the Event:

