

Educational Visit

## VISIT TO NATIONAL AGRI-FOOD BIOTECHNOLOGY INSTITUTE, MOHALI

May 12, 2022

An academic visit was carried out to National Agri-Food Biotechnology Institute (NABI), Sector 81, Mohali on 12<sup>th</sup> May 2022 for M.Sc and B.Tech Biotechnology first year students. The purpose of the visit was to expose students to various research activities undertaken in the premier research institution in government sector, and to give students a chance to interact with scientists and scholars working on cutting-edge biotechnology research. It was also an opportunity for the students to see the latest infrastructure used in the biotechnology sector.

National Agri-Food Biotechnology Institute is the very first food biotechnology institute established



by Department of Biotechnology, Government of India. The institute's mandate is to carry out research in agri-food sector and improving nutritional quality through biotechnology research. It is established with an aim to become a center of excellence to provide leadership in agri-food research. Dr Abhishek Chaudhary and Dr. Rahul Shrivastava along with 19 students visited NABI. At NABI the JUIT group was received by Dr.

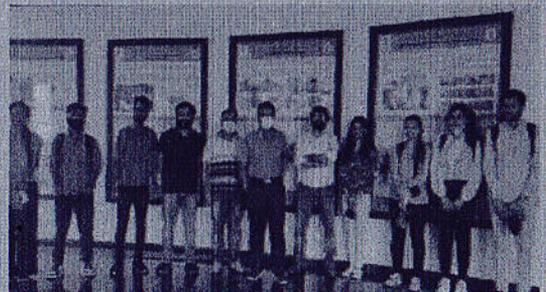


Kaushik Majumdar. Dr. Kaushik Majumdar addressed the students and explained major research themes undertaken by the institute which included agricultural biotechnology, food and nutrition biology, development of high yield crops, genomics and computational biology, and nutraceuticals for better health.

After Dr. Majumdar's address, the students were taken to the instrumentation facility by Mr. Jagdeep Singh, and he showed the students various equipments used in biotechnology research at NABI. Students were shown gas chromatography and liquid chromatography systems and their functions were explained to



them. Mr. Jagdeep Singh also showed and explained the equipment for high performance thin layer chromatography, scanning electron microscopy facility and particle size separator. Students were then taken for a tour to high performance tissue culture facility. They were shown and explained the purpose of clean air areas fitted with high efficiency particulate air (HEPA) filters and air showers.



Educational Visit

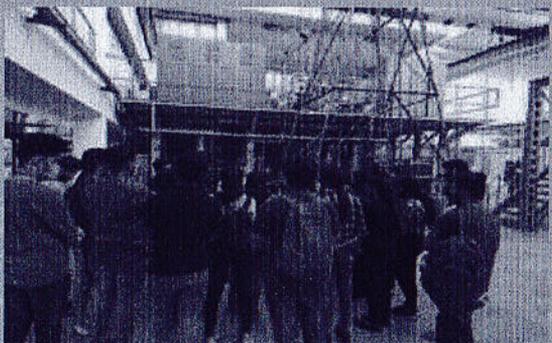
## ACADEMIC VISIT TO IMTECH, CHANDIGARH

May 05, 2022

An academic visit was carried out to Institute of Microbial Technology (IMTECH), Chandigarh on 5<sup>th</sup> May 2022 for MSc Microbiology and BTech Bioinformatics first year students. The purpose of the visit was to expose students to various research activities undertaken in the premier research institution in government sector, and to give students a chance to interact with scientists and scholars working on cutting-edge microbiology, biotechnology and bioinformatics related research.



Dr Tiratha Raj Singh and Dr Gopal Singh Bisht both Associate Professors in the Department of Biotechnology and Bioinformatics, along with 37 students visited IMTECH. Dr. Kailash T.



Bhamare coordinated the visit from the side of IMTECH. Dr. Kailash addressed the students and explained major research themes undertaken by the institute which included microbial technology and bioinformatics. After Dr. Kailash's briefings about the institute, the students were taken to a detailed tour of the institution. Students were shown all the experimental and computational facilities available in the institute at various research labs and central facilities. Last visit of the day was in the Virology and Bioinformatics lab of Dr. Manoj Kumar. Students enjoyed the facilities available at the institution and learned so many new and interesting things during this visit. The whole tour took more than 4 hours and students got a feel for microbiology, biotechnology and bioinformatics research at the institute. Students benefited from getting an opportunity to relate their theoretical knowledge to practical implications. The JUIT team extended gratitude to the Director, IMTECH for his permission and support to make this visit possible. Special thanks to host Dr. Manoj Kumar and Dr. Kailash for their wonderful hospitality during the visit.





VISIT

Kaushal Kumar &lt;kaushal.kumar@juitsolan.in&gt;

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## Students interaction with NHA officials and Work Visit to 'Kandaghat Tunnel and Chambaghat Flyover'

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**Kaushal Kumar** <kaushal.kumar@juitsolan.in>

26 May 2022 at 13:39

To: CE81 <ce81@juitsolan.in>, CE82 <ce82@juitsolan.in>, CE83 <ce83@juitsolan.in>, "Civil Engineering (CE61)" <ce61@juitsolan.in>, ce62@juitsolan.in

Cc: Ashish Kumar <ashish.fce@juitsolan.in>

Dear Students,  
NHA officials will be visiting JUIT Campus on 27th May 2022.

An interaction session with them is scheduled from 11.00 AM on 27th May 2022.  
After which all students can go along with the NHA team for site visits in JUIT buses.  
Refreshments will be organised at the site by Aired, Kandaghat.

feel free to contact me in case of any query.

regards  
Mr. Kaushal Kumar  
Asst. Professor  
CED, JUIT  
9891076078



## Construction Site Visit to Solan-Kaithleeghat Highway

**Date of Event:** May 27, 2022

**Organizers:** Civil Engineering Department, JUIT, and National Highway Authority of India

B.Tech. 3<sup>rd</sup> and 4<sup>th</sup> year along with M.Tech. Structures students of Civil Engineering Department, JUIT, Waknaghat along with three faculty members visited NHAI's tunnel Construction Site at Kandaghat, Solan and Bridge Site No. 115, Kandaghat, Solan on May 27, 2022. Approximately 55 students assembled at 12:30 pm at the main gate of JUIT and left the campus in two university buses that were arranged for the occasion. The buses reached the first destination, Tunnel site in Kandaghat, by 1:00 pm. The engineers working at the site apprised the students about methodology used for tunnel construction as well as various challenges faced during such projects. After the tunnel site, AIREF Engineers organized a few snacks for the students and faculty at their office. The students were then taken to the Bridge site No. 115 where description of bridge design and construction techniques was given to the students by the design engineers.

### **Aim of Construction Site Visit:**

Civil Engineering students require more practical experience to excel in the field. Hence, by organizing site visits, the students are introduced to various aspects of the profession. Furthermore, such visits give opportunity to students to develop their professional network and secure future internships and jobs.

### **Details of Industrial Visit are as below:**

#### **Kandaghat Tunnel construction site and Bridge No. 115, Kandaghat, Solan, H.P.**

- Date of Visit: 27<sup>th</sup> May 2022
- Under the Co-operation of: NHAI and Sushil Ahuja, Project Manager, AIREF
- Faculty during visit: Dr. Sugandha Singh, Mr. Niraj Parihar, and Mr. Kaushal Kumar
- No of Students: 55 [3<sup>rd</sup> Year - 21, 4<sup>th</sup> Year - 29 and M-Tech Structures – 05 of Department of Civil Engineering, JUIT Waknaghat]

### **Description of Visit:**

National Highway 22 (Now NH-5) originates at its junction with NH-1 at 'Ambala' in Haryana and ends at 'Khab' in Himachal Pradesh. Govt. of India through National Highways Authority of India (NHAI) has taken up the work of "Four Laning of Solan to Kaithlight of NH - 22 (now NH-05) from Km. 106+139 to Km. 129+0.5 under NHDP Phase-III on EPC mode pattern in the state of Himachal Pradesh". M/s. Airef Engineers Pvt. Ltd. & Prakash Asphaltings & Toll Highways (I) Ltd. has been awarded the project through competitive bidding. EPC Contractor M/s. Airef Engineers Pvt. Ltd. & Prakash Asphaltings & Toll Highways (I) Ltd. has appointed M/s Saanvi Infrastructure Pvt. Ltd. as "Design Consultant" for the work of detailed engineering design.



### **Tunnel at Kandaghat:**

Tunnel at Kandaghat is 460 m in length with bottom width 10.7 meter, followed by 390 m of railway over bridge, in order to accommodate two lane carriage way for bi-directional traffic connecting Solan to Kaithlight in Himachal Pradesh.

Officials from NHA and Airef Engineers on site provided practical insights to the students about latest machinery being used for the construction of tunnel in tough terrain in the regions.

### **Minor Bridge (Steel) near Kandaghat:**

The Bridge is 35m long skew bridge having a width of 20m. Its girder is made up of built-up I-sections. It's a 4 lane bridge. It has the super elevation of 15 degree. The bridge is located 1 Kilometer from Kandaghat railway station towards Solan.

Officials on site provided practical insights to the students about latest machinery being used for the construction of tunnel in tough terrain in the regions.

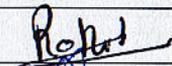
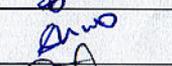
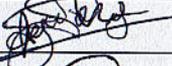
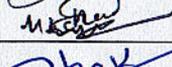
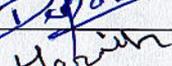
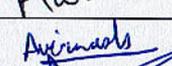
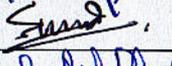
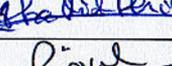
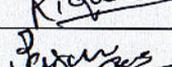
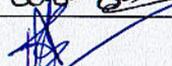
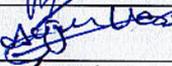
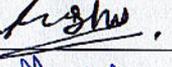
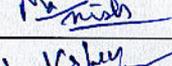
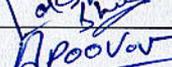
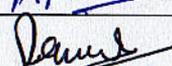
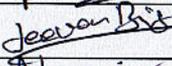
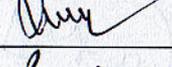
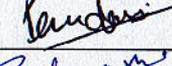
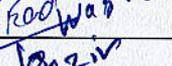
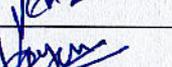
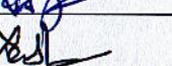
### **Pictures from Site:**



**Jaypee University Student along with NHA officials and Airef's Engineers at  
Kandaghat Tunnel Site.**



List of students visited the Tunnel Site at Kandaghat and Bridge No. 115, Solan on 27th May 2022

Sno.	Roll No.	Name of Student	Year	Signature
1	191009	Ronit Mahajan	B.Tech 4th year	
2	191437	Shivankar Partap Singh Guleria	B.Tech 4th year	
3	191601	Shubham Sharma	B.Tech 4th year	
4	191602	Ayush Thakur	B.Tech 4th year	
5	191603	Nischay Thakur	B.Tech 4th year	
6	191604	Deepak Thakur	B.Tech 4th year	
7	191605	Harish Singh Kanwar	B.Tech 4th year	
8	191606	Avinash	B.Tech 4th year	
9	191607	Naman Bhardwaj	B.Tech 4th year	
10	191608	Sumit Chahar	B.Tech 4th year	
11	191609	Hardik Dhillon	B.Tech 4th year	
12	191610	Rijul Thakur	B.Tech 4th year	
13	191612	Paras Jaswal	B.Tech 4th year	
14	191614	Akhil Janawa	B.Tech 4th year	
15	191616	Arjun Verma	B.Tech 4th year	
16	191617	Astik Prashar	B.Tech 4th year	
17	191618	Manish	B.Tech 4th year	
18	191620	Lakshay Sharma	B.Tech 4th year	
19	191622	Apoorav Bedi	B.Tech 4th year	
20	191624	Devendra Ahlay	B.Tech 4th year	
21	191625	Jeewan Biswa	B.Tech 4th year	
22	191626	Karma Choden	B.Tech 4th year	
23	191627	Pem Dorji	B.Tech 4th year	
24	191628	Rada Wangmo	B.Tech 4th year	
25	191629	Tenzin Wangchuk	B.Tech 4th year	
26	191630	Ugyen Phuntsho	B.Tech 4th year	
27	191631	Yeshi Jatsho	B.Tech 4th year	
28	191632	Ujjwal Tyagi	B.Tech 4th year	
29	201639	Sidharth Dogra	B.Tech 3rd year	

30	201642	Mohit Thakur	B.Tech 3rd year	<i>Mohit</i>
31	191633	Vardhan Khajuria	B.Tech 4th year	<i>V. Khajuria</i>
32	201601	Paras Sharma	B.Tech 3rd year	<i>Paras Sharma</i>
33	201602	Piyush Chauhan	B.Tech 3rd year	<i>Piyush</i>
34	201603	Karma Yoezer	B.Tech 3rd year	<i>Karma</i>
35	201604	Phurpa Dorji	B.Tech 3rd year	<i>Phurpa Dorji</i>
36	201609	Pradyumn Sharma	B.Tech 3rd year	<i>Pradyumn Sharma</i>
37	201612	Jitender Verma	B.Tech 3rd year	<i>Jitender</i>
38	201614	Shashwat Nandan Sharma	B.Tech 3rd year	<i>Shashwat</i>
39	201615	Neeyati Gupta	B.Tech 3rd year	<i>Neeyati</i>
40	201617	Pramod Kumar	B.Tech 3rd year	<i>Pramod Kumar</i>
41	201618	Astha Sharma	B.Tech 3rd year	<i>Astha</i>
42	201619	Jatin Gupta	B.Tech 3rd year	<i>Jatin</i>
43	201620	Saurabh Kharyal	B.Tech 3rd year	<i>Saurabh</i>
44	201621	Sharad Singh	B.Tech 3rd year	<i>Sharad</i>
45	201623	Chandan	B.Tech 3rd year	<i>Chandan</i>
46	201625	Arushi	B.Tech 3rd year	<i>Arushi</i>
47	201626	Prateek Sharma	B.Tech 3rd year	<i>Prateek</i>
48	201627	Pranjal Srivastava	B.Tech 3rd year	<i>Pranjal</i>
49	201628	Ankit Ravi	B.Tech 3rd year	<i>Ankit</i>
50	201629	Avishya Jaswal	B.Tech 3rd year	<i>Avishya</i>
51	212651	Ananay Sambyal	M.Tech 1st Yr.	<i>Ananay</i>
52	212652	Ayush	M.Tech 1st Yr.	<i>Ayush</i>
53	212653	Nikhil Gupta	M.Tech 1st Yr.	<i>Nikhil</i>
54	212654	Manish Kumar	M.Tech 1st Yr.	<i>Manish</i>
55	212655	Digvijay Singh Thakur	M.Tech 1st Yr.	<i>Digvijay</i>

*Kaushal K.*  
27/5/22  
(Mr. Kaushal Kumar)  
Training & Placement Coordinator  
Dept. of Civil Engineering

