

## Student Exchange Program: Biotechnology and Bioinformatics (2021-22)

JUIT – South Dakota School of Mines & Technology, USA

SD Mines Exchange with Jaypee University of Information Technology Exemplifies Strength in Diversity



Four students of Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Wahnaghat, Solan, HP are selected under Students' Exchange Program and joined in SDSMT University (14 February, 2022), USA under the mentorship of Prof. Rajesh Sani.

S. No.	Name of Students	Programme
1.	Aditya Tiku	B.Tech. Biotechnology (2019 Batch)
2.	Yash Sharma	M. Sc. Biotechnology (2019 Batch)
3.	Sarita Vatwani	
4.	Jasmeet Kaur	



*Rajesh Sani*  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wahnaghat, Distt. Solan (H.P.)

## Student Exchange Program: Biotechnology and Bioinformatics (2018-19)

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SD Mines Exchange with Jaypee University of Information Technology Exemplifies Strength in Diversity



Six students from Jaypee University of Information technology went in the exchange program with South Dakota School of Mines & Technology USA for carrying out six month project (left to right): Kunjan , Vaishali, Priya ,Payal, Saveena and Tanya.

JUIT – University of Nebraska (2018-19)

NAME	BRANCH	YEAR
Yash Sharma	BT	2018-19



*[Signature]*  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Warranaghat, Distt. Solan (H.P.)

## Student Exchange Program: Biotechnology and Bioinformatics (2017-18)

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SD Mines Exchange with Jaypee University of Information Technology Exemplifies Strength in Diversity



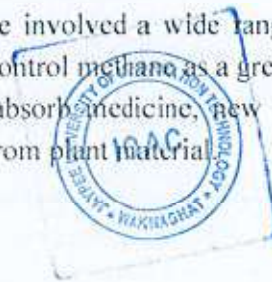
Students from Jaypee University in the exchange with Mines include (left to right): Rishabh Nautiyal, Shagun Choudhary, Mehul Salaria, Pratha Sood, Pallavi Soni, Wageesha Sharma and Gorky. Not pictured: Anandita Govil.

Eight students from Jaypee University of Information Technology spent the past six months at South Dakota School of Mines & Technology contributing to the NSF funded BuG ReMeDEE research project.

The students, including three master's level and five undergraduates, came to Mines to both learn about research methods in the United States and to contribute to the overall BuG ReMeDEE project ( <https://www.sdsmt.edu/BuGReMeDEE/>).

"I've been able to learn many new techniques and instruments due to my work here at SD Mines, and I'm so thankful for that," says Anandita Govil with Jaypee University, whose work included a study of biofilms in the effort to produce electricity from microbes.

The work of Govil and others in the exchange involved a wide range of study, including converting solid waste to electricity, efforts to control methane as a greenhouse gas, efforts to understand and improve the ways that cells absorb medicine, new approaches to biofuel production and making biodegradable plastics from plant material.



Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wajnahat, Distt. Solan (H.P.)

For Rajesh Sani, Ph.D., a professor in the Chemical and Biological Engineering Department at SD Mines, this exchange effort highlights the importance of diversity in science and engineering fields. These students not only learn while they are here, they make important contributions to the effort. "Diversity is key to the future of science and engineering," says Sani. Large science and engineering efforts, such as the \$6-million BuG ReMeDEE project, require multiple teams of researchers. "We have found that a good blend of team members with multiple backgrounds gives incredible results," Sani says.

Sani and others point to studies that show when the proper work environment and leadership are provided, diverse teams can produce creative and robust scientific results. Students like Anandita Govil agree. "That is the beauty of working with people from different places," she says. "Some are good at managing everything, some are good at making equipment available for work, some are very creative in their thinking, some are very strong and can work for hours and hours. And that makes a perfect team."

This exchange is thanks to a Memorandum of Understanding between SD Mines and Jaypee University. This agreement is one of many mutually beneficial partnerships Mines maintains with universities around the world. These sorts of agreements encourage staff exchange and collaboration, joint research and publications, and student exchange opportunities. The agreements are also tied to SD Mines inclusion statement and the efforts to promote diversity in science and engineering fields.

The Ivanhoe International Center develops and supports activities and programs for international students, faculty, and staff coming to SD Mines, and for those who want to engage in international and global experiences, in alignment with Mines Advantage.

Source: <https://www.sdsmt.edu/Research/Research@Mines/SD-Mines-Exchange-with-Jaypee-University-of-Information-Technology-Exemplifies-Strength-in-Diversity/#.W5YK284zbip>



*Rajesh Sani*  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wakhnaghat, Distt. Solan (H.P.)



# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

P.O. Wahnaghat, Teh. Kandaghat, Distt. Solan - 173234 (H.P.) INDIA

Website : www.juit.ac.in

Phone No. +91-01792-257999 (30 Lines)

Fax : +91-01792-245362

## MOUS SIGNED BETWEEN JUIT AND GOVT. ORGANIZATIONS FOR STUDENT INTERNSHIP

### MoU BETWEEN JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY & NATIONAL HIGHWAY AUTHORITY OF INDIA



#### HIGHLIGHTS:

- Internship to 40 undergraduate/postgraduate students
- Opportunity of visiting project sites for faculty, researchers and students to identify the problems at site & promote research in the same field
- Support to create world class Infrastructure and sponsorship for research projects
- Hand on experience of the modern challenges and latest technologies to reduce industry – academia gap.
- Suggestions and support to NHAI to mitigate landslide risk, develop early warning system, provide solutions pertinent to slope stability, retaining structures, monitor highway health and study socio-environmental aspects to come up with a cost effective and innovative solutions etc.



*[Signature]*  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
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## Memorandum of Understanding (MoU)

Memorandum of Understanding (MoU) is made between Jaypee University of Information & Technology, Wahnaghat Solan, Himachal Pradesh and Atal Bihari Vajpayee Govt. Institute of Engineering & Technology, Pragatinagar Shimla, Himachal Pradesh.

Jaypee University of Information Technology, Wahnaghat Solan and Atal Bihari Vajpayee Govt. Institute of Engineering & Technology, Pragatinagar, Shimla are contributing to higher and technical education in the country. To promote academic and research co-operation and the development of these two institutions as centers of excellence of higher education, technical education and scientific research, the two institutions agree to the following general form of cooperation:

1. Invitation to the faculty of either of institutions to deliver expert lectures for the benefit of students and teaching fraternity.
2. Visits and exchange of students for the purpose of study and research.
3. Exchange of information including, but not limited to, exchange of library material, scientific and technical information, research publications.
4. Joint research activities.
5. Undertaking collaborative research activities through participation in nationally and internationally funded projects.
6. Cooperation for faculty qualification up-gradation through regular/part time/modular PhD.
7. Jointly organized events such as seminars, workshops, conferences and training programs.
8. Jointly work together for conducting Faculty Development programs.
9. Training & placement of students of both institutions as per the facilities and resource available.
10. Any other objective as agreed upon in writing by both the institutions



  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wahnaghat, Dist. Solan (H.P.)