



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, P.O. – WAKNAGHAT,
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)
PIN – 173234 (INDIA) Phone Number- +91-1792-257999
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Date: 17th Dec 2024

Report on Outreach to Schools of Ranchi Town for STEM Quest Exam and Awareness Campaign about JUIT, Wagnaghat

Conducted by: Department of Mathematics (JUIT) & Admission Cell, JUIT, Wagnaghat

Faculty/Staff on Duty: Prof. Rakesh K Bajaj, HoD (Maths) & Prof. Gopal Singh Bisht (BI/BT)

Date of Outreach: November 25-30, 2024

The outreach program to schools in Ranchi aimed to promote the STEM Quest Exam among students and to spread awareness about JUIT, Wagnaghat. This initiative sought to inspire young minds towards STEM disciplines and familiarize them with JUIT's academic programs, infrastructure, and opportunities.

Souvenirs and Brochures:

- Some Dairies, Pen, Brochures, 4 Mugs STEM Quest Materials and JUIT's offerings.
- Presentations covering JUIT's campus life, academic programs, and achievements.

The activities spanned over five days and included a variety of engagements:

Day 1 (25th Nov 2024)

1. GURU NANAK HIGHER SECONDARY SCHOOL, Pee Pee COMPOUND, RANCHI

The principal of the school **Dr. (Capt) Sumit Kaur** (Email Id: gnhssran@gmail.com **Mob. No. 88096 34444** **Alt email: skofficial1930@gmail.com**) was already aware of Jaypee Education System and has eagerly shown her interest in having MoU with our University under University-School Connect Programme under NEP 2020 so that the students of the school may get benefited by the expert faculty of JUIT working in the domain of AI/ML/Data Science and Bio-technology Modules. She has very sincerely asked for arranging some online classes for their students free of cost so that their school can also show their collaboration with Higher Education universities. However, at this primary level she has very clearly refused to conduct the **STEM QUEST** exam to keep the student privacy intact. In future, she has agreed that under the MoU she will send the students to our campus for visit at their own cost. As per information provided by her, the students of Class 12 were on preparation leave for their upcoming pre-board exams. She insisted that this MoU should be exclusive for them Ranchi.

2. GOAL Academy for IIT JEE & MEDICAL

After a detailed briefing by us to Mr. Shubham (94315 22641), the center head, he has explained that as per their policy, they cannot conduct any outside exam as they conduct their own GTSE (Goal Talent Search Examination) in various schools of Ranchi for their own coaching. He has made some false promises also at that time but upon follow up, he did not respond.

3. MATHEMATICS TUTORIALS

Through a personal contact, we approached Mr. Pranav Kumar, Centre Head (Owner), who is successfully running a coaching class at Dangratoli Chowk, Ranchi. But he had students of B.Sc., BCA and other competitive exams. We briefed him and provided him some university brochure for their coaching students.

Pics:



Remark: There was a little disappointment on the first day in view of the response got on this day. However, we could overcome it in the coming days.

Day 2 (26th Nov 2024)

4. OXFORD PUBLIC SCHOOL, RANCHI

The security guards were pre-instructed from the school's principal that no individual from any university/coaching centers is allowed to visit the school and meet the principal.

5. VIDYA VIKAS PUBLIC SCHOOL (VVPS), NEAR BOREYA BRIDGE, MORABADI, RANCHI

In a referral connection with the principal of the school, we met Ms Jaya Prasad (Contact details: 89866 99312) and had a detailed interaction on our university proposal and the STEM QUEST test, where she agreed to get the test conducted in her school. They took 60 test papers for their students. We met a faculty Mr Sanjiv Kumar (BI/BT) who coordinated the entire activity. The principal also requested to conduct an interactive session with the students of class 10, 11 and 12 emphasizing the learning as a fun in mathematics. It was decided in the meeting that Prof Rakesh Bajaj will hold the same on Friday 29th Nov 2024 in the school. The principal also agreed to have some kind of MoU with the school where some expert lecture from our university will help their school students to learn emerging areas and technological development.

6. BROTHER'S ACADEMY, CIRCULAR ROAD, RANCHI

We met the centre head Mr Paras Agarwal (98351 02269) with a strong reference from Mr Raj Kumar Garodia. In spite of many convincing statements, he denied to conduct the test due to the centre's policy and academic team consistency.

Pics:



Day 3 (27th Nov 2024) Wednesday

7. FIRAYALAL PUBLIC SCHOOL, NEAR OVER BRIDGE, KANKA, RANCHI

We met the principal of the school **Mr Neeraj Kumar Sinha (94301-96292, 8319194820 Email – principal@firayalalpublicschool.com)** who was aware of the University-school connect programme under NEP 2020. He also welcomed the idea and connected us to **Mr Sunil Prasad (7050414730, 6204800613)** who was the academics and examination in-charge of the school. We discussed about the same with him and he suggested that the current time is not suitable for the students as they are on preparatory holidays for their pre-board exam. However, they welcomed the idea of organizing the online expert lecture for the school students on emerging areas like AI/ML/Data Science etc. He asked us to send the formal proposal so that he can initiate the process formally. The principal gave his reference of his to meet the Principal of JBM, Ranchi and DPS Ranchi.

8. DELHI PUBLIC SCHOOL, SAIL TOWNSHIP, RANCHI

In this school, we could meet with PRO **Ms. Mitthu (+91 -7969198752)** who was supposed to connect us to the principal of the school. She tried to connect the principal for a long time and she could not get the free time from the principal and she finally denied to fix the meeting and asked to share the idea and proposal at the following email address: Info@dpsranchi.com. We also got a local reference from **Mr Deepak Lohia** for a school teacher of DPS, **Ms Seema Chitlangia (9835114764)** who was also in the loop to get this connect. In future, we can

associate Ms Seema and Ms Mitthu for the necessary formalities during the University-School connect programme.

9. JAWAHAR VIDYA MANDIR (JVM), SHYAMALI, RANCHI

With reference to the principal of Frayalal Public School, we met the principal of JVM School Mr. Samarjit Jana who was briefed about the idea of the outreach. Upon discussion, he connected us to Ms Anupama (9546742080), the academic coordinator in-charge of senior secondary wing of the school, who suggested us to carry out this activity in their school in the month of April or May for the students of class 11 and class 12.

10. BAL KRISHNA +2 UCHCHA VIDYALYA, UPPER BAZAR, RANCHI

The officials at the school clearly said that such activities of conducting the test etc. are only allowed if permitted by District Education Officer, Ranchi. However, the principal was out of station in this school.

Pics:



Day 4 (28th Nov 2024) Thursday

11. LA GARDEN HIGH SCHOOL, SAMLONG, NAMKUM, RANCHI

We could meet with administrative director of the school, Mr Saurabh Gupta (son of the principal) as principal was out of station. We interacted with him and discussed the matter and eventual possibilities of MoU. We also handed over our souvenir to him.

12. ST. ANEE'S GIRLS HIGH SCHOOL INTERMEDIATE COLLEGE RANCHI

Due to Chief Minister's Oath Ceremony, the school were invariably closed early and we could not meet the principal.

13. ST. XAVIER'S PUBLIC SCHOOL, NAMKUM, RANCHI

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Pics:



Day 5 (29th Nov 2024) Friday

14. RANCHI SCIENCE CENTRE, MORHABADI, BOREYA, RANCHI

Ranchi Science Centre is the first science centre in the state of Jharkhand in India, under Jharkhand Council on Science & Technology of Department of Science & Technology, Government of Jharkhand. We approached to the centre and met some school students of a public school there with their class teacher. We had some informal interaction with the teacher and students. The students were given some brochures and university hilly rambling newsletters and the teacher was given the university souvenir. The students were very enthusiastic to hear about the university at Shimla hills.

15. VIDYA VIKAS PUBLIC SCHOOL (VVPS), BOREYA, NEAR BOREYA BRIDGE, MORABADI

With reference to the first meet with the principal of the school on 26th November, we revisited Vidya Vikas Public School and met the principal & other teachers. The lecture session was organized in their seminar hall. Prof. Bajaj delivered an expert talk to the school students on “Thoughts and Dots of Mathematics” for an hour and interacted with the students. Prof. Gopal also shared some insights to the students on the studies. Students and teachers appreciated the informative sessions and the innovative approach to promoting STEM education. Enthusiastic participation in workshops and quizzes highlighted the students' keen interest in STEM fields. Several students inquired about JUIT's admission process, scholarship opportunities, and campus facilities.

16. ST. ANEE'S GIRLS HIGH SCHOOL INTERMEDIATE COLLEGE, RANCHI

We revisited the school on this day and met the Principal Sr. Mary Toppo. The principal was very much occupied in her work and shown a complete level of disinterest in the STEM QUEST test and any kind of MoU etc. with the higher education institutes.





Acknowledgement:

We sincerely express our heartfelt gratitude to our university authorities and local known people (**Shri Deepak Lohia, Shri Pawan Chirania, Dr Dheeraj Pandey, Shri Sanjay Babu (Khunti), Ms. Shweta Magan's family and other friends**) in Ranchi for their invaluable support during our school outreach programme. Your guidance, and cooperation were instrumental in making the event a success. Thank you for being an essential part of our outreach accomplishment.

Conclusion

The outreach program was not a resounding success, in achieving its dual objectives of promoting the STEM Quest Exam and enhancing awareness about JUIT, Waknaghat. The response of the school was not that enthusiastic from the school administrators. However, the interactions with the principals may lead to possible MoUs where we can conduct various types of activities for the schools.

Recommendations

- Expand outreach to build stronger connections with key stakeholders (teachers, school administrators, and students) in terms of MoUs with them mentioning various sorts of activities.
- Some schools are willing to bring their students to our campus in some Educational tour where we can facilitate them the accommodation and food for two days.
- We should definitely organize some online orientation/expert sessions in prior-information with the school administrator depending on their student's requirements and get their support in promoting the program to students.
- Develop a follow-up strategy in online mode for interested students and schools.
- Provide clearer or more enticing incentives for schools or students to participate, such as scholarships, certificates, networking opportunities, or exclusive access to university resources.

Summary of Outreach and STEM Quest Conducted/Data Collected:

No. of Schools Visited in Ranchi:	15
No of STEM QUEST Quiz Conducted:	196
Additional 12 th Class Data (without STEM Quiz):	301
Additional Schools covered in online mode:	

- Sarvodaya Vidyalaya, Dakshinpuri, New Delhi (27+55)
- Momentum Academy, Jabalpur (219), MP
- Sachdeva PT College, Bhilai, Chhattisgarh
- Loyola Inter College, Khunti, Ranchi

Report Prepared by

(Prof. Rakesh K Bajaj)

(Prof. Gopal Singh Bisht)