



Outreach Playbook

Education Outreach Programme

Metrics:

Grade Level: Class 11 and 12	# of Student Participants: 30-40 in each session	Duration (hrs): 2 sessions of 1.5 hours	# of SWE Volunteers: 8	Partner orgs (if any): Team Education Delhi
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Overview of Activity

The lack of role models and mentorship for Indian girls who take the field of engineering is a huge problem. SWE IIT Ropar aims at encouraging these young adults by making them aware of all the exciting fields in STEM through our outreach sessions. Outreach is an important part of our engagement activities, in order to impact more individuals and organizations. In July 2021, SWE IIT Ropar conducted two outreach sessions collaborating with Team Education Delhi to mentor Delhi Government School students towards a career in science and engineering.

Main takeaways for the students :

1. Career guidance regarding various fields in STEM, including engineering
2. In these sessions, we discussed with students the structure of the IIT JEE exam, the books they should follow, the various resources available to them and other alternative fields they could pursue after 12th.
3. In addition to this, we cleared their doubts regarding the method of preparation for such exams and shared our experiences with them.
4. We also made them aware about the various scholarships which might help them in their journey
5. Being in the middle of the pandemic, we also motivated them and shared some tips on how they can look after their health and mental well-being, and work hard efficiently.

The main motive behind this outreach event was led by all members of SWE IIT Ropar feeling a lack of role models/mentors of the similar age-group, which we could connect with and hence, we came up with this idea to help young girls out there. We aim to make young girls self dependent, bold, and confident and encourage them to take up the challenges and voice themselves fearlessly.



Outline and Script

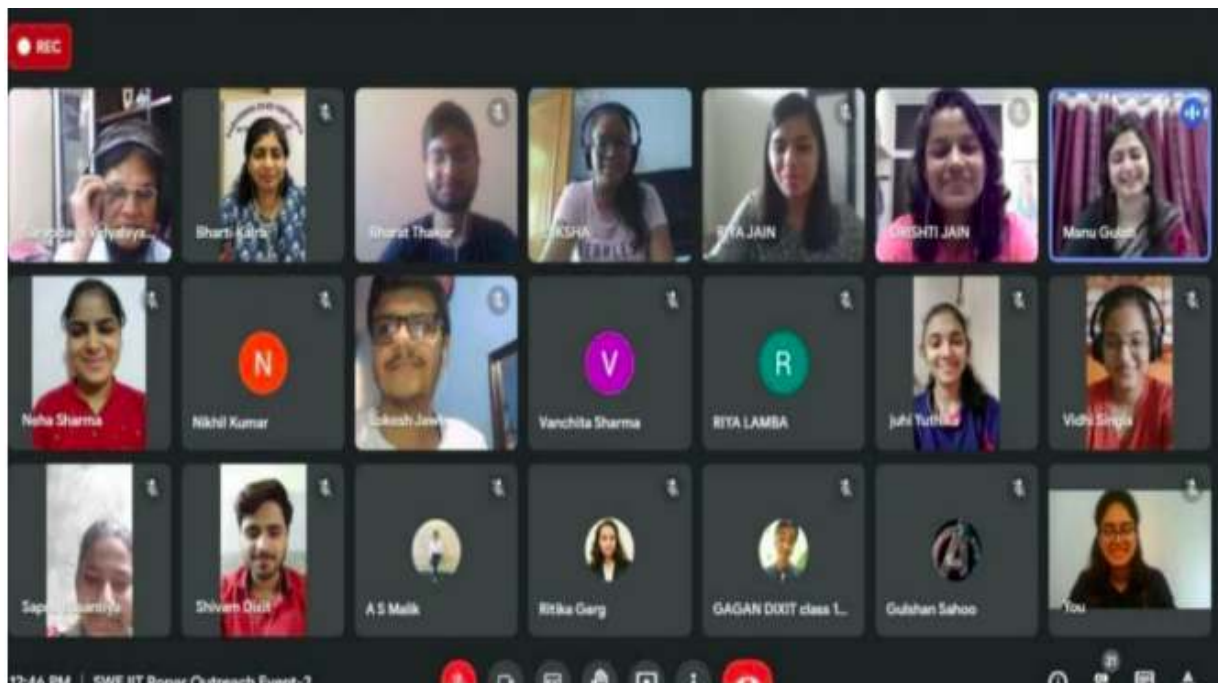
1. Our Faculty Advisor, Dr. Asad H. Sahir collaborated with Team Education Delhi in order to contact schools for the event.
2. We conducted two sessions for two different schools. Each session was 1.30 hrs long. Ms. Manu Gulati was the event coordinator for both of them. The participants were students from 11th and 12th class.
3. We searched for various resources and opportunities available for the students and prepared a comprehensive list which would be helpful to them.
4. The session started with the introduction of the principal and vice-principal of the school by the SWE team.
5. This was followed by a voluntary introduction by the students.
6. Then, we discussed the structure and gave them insights about the IIT-JEE examination, told them the different strategies they can follow, and also shared the resources which they could refer to, and additionally, how to keep oneself motivated in the times of the pandemic.
7. Furthermore, we told them about the scholarships, other opportunities in the fields of STEM, and other alternative examinations.
8. After this, there was an interactive Q&A session, in which we answered their doubts, and queries.
9. We received a positive feedback from the students, which encouraged us to conduct more such events.

Links for resources :

<https://docs.google.com/presentation/d/1AZmrs0eJu7Hw3dhmgInjbLdNHYbXDbdu/edit?usp=sharing&oid=116815973297720768316&rtpof=true&sd=true>

Lessons Learned

1. We made the session relatable: It was two-way and very interactive. As the organizing team mostly comprised of freshmen and sophomores, the target audience was able to relate with us and shared their queries and fears more comfortably. Had it been people from an older age-group, the session would have been monotonous with what we felt.
2. Prepare and organize a folder for all the study reference material beforehand: The students we connected with through our programme were mostly girls studying in government schools with a not-so- strong financial background. They were eager to know about FREE RESOURCES which might help them to crack this examination.
3. Offline sessions in the future: As the world was online during the pandemic, we reached out to students from far places as well, but the team realized that if we conduct such sessions offline, it would have a more lasting impact. So, for all the sessions that SWE IIT Ropar will have from now on, we will try to make it offline.
4. We prepared and told them not just the roadmap to study for IIT JEE exam but also about filling applications for various other institutes. We made them aware about the scholarships. We plan on expanding these for not just engineering but also other fields of STEM.





Accessibility Adaptations

1. Since, the session was conducted for the Delhi government school students, the school could tackle the problem of lack of connectivity for a lot of students by conducting it semi-offline in school. This can be achieved by making the batch sit in a projector room, for a collective meet or in the computer labs.
2. For ESL students, a separate third session could be conducted with the same procedure and requirements as already taken for the two conducted before.
3. We will be trying to reach out to as many students as possible who lack access to the basic accommodations, but have a strong desire to learn through offline mode.

Materials and Costs

As we had conducted our sessions online, we didn't require any fundings but as we will start to expand our outreach programme we will require the following funds:

1. Funding will be required to compensate for the traveling costs incurred by us in future as we plan to reach all villages and rural areas near our college for our outreach.
2. Refreshments for the volunteers and the attendees.



Recognition and Achievements



**GOVERNMENT OF NCT OF DELHI, DIRECTORATE OF EDUCATION,
SPECIAL TASK FORCE, SCHOOL BRANCH
ROOM NO. 2 (NCC BUILDING)
OLD SECRETARIAT, DELHI-110054**

TO WHOM IT MAY CONCERN


I would like to express my heartfelt gratitude for the education outreach programs, which was conducted by SWE IIT Roper in collaboration with Team Education Delhi.

The event was wonderfully organized in two parts that were held on 13 and 23 July, 2021 respectfully.

I sincerely appreciate the efforts of Riya Lamba, Diksha, Bhumika, Aditi Das, Aena Ghai, Drishti Jain, Inayat Kaur, Riya Jain and Tiya Jain for their selfless volunteering and immense dedication towards mentoring the students of Delhi Government Schools and sharing their strategies to help the students prepare for engineering entrance examinations like IIT JEE.

I thank the students of SWE IIT Roper for their generosity towards children and for their contribution to society. Their involvement in such a noble cause is highly appreciated.

Wishing them success for all their future endeavors.


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