



and **Google Research**

Highlights
of

Explore Computer Science Research (CSR) 2023-2024

Prof. Neetesh Kumar, Assistant Professor, CSE Department, IIT Roorkee
Program Coordinator

Please visit my personal webpage detailed information: <https://neeteshkumar.netlify.app/>
Please visit Google exploreCSR @ IIT Roorkee and stay tuned: <https://explorecsriccn.github.io/>

Google

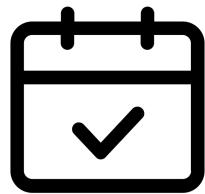
What is exploreCSR?

Increasing student pursuit of computing research is a top priority at Google, especially for students historically marginalized and women in the field.

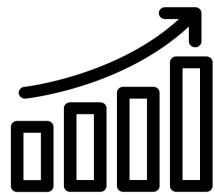
Through exploreCSR, we...



FUND



HOST



SUSTAIN

colleges and universities who...

computing research workshops *in order to...*

students in CS graduate studies and research careers



exploreCSR objectives

Confidence

Self-efficacy to understand, contribute and succeed in computing research

Community

Sense of belonging among peers, mentors and faculty in computing research

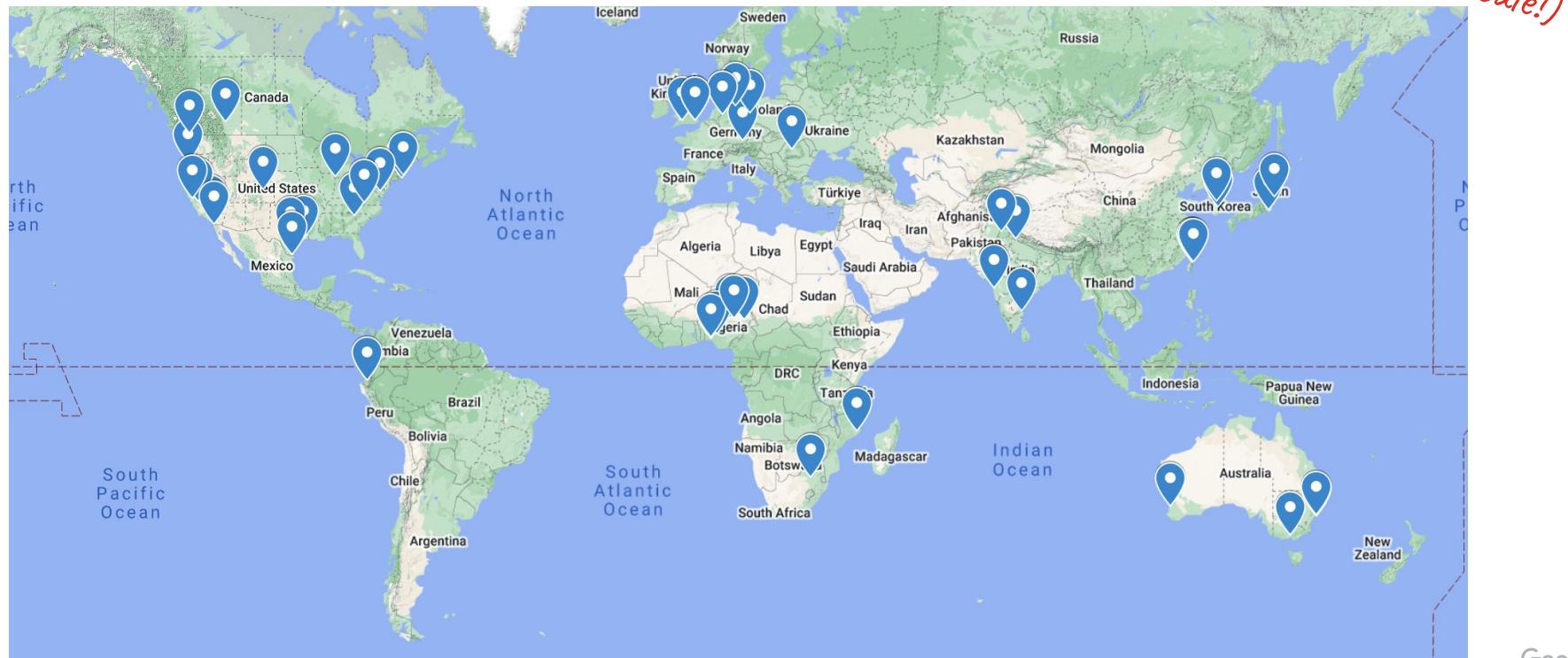
Skills

Actionable knowledge to conduct, publish, present and pursue computing research professionally

Motivation

Intention to pursue graduate school and research careers in computing

51 institutions (globally) leading the way to engage 9,800+ students in computing research



IIT Roorkee introduced Google Research Sponsored Mentorship Program for undergraduate and postgraduate students.

- Emphasis on encouraging applications from women, historically underrepresented groups, remote college students, and those from low socioeconomic backgrounds.
- Goal: Provide immersive research experience in computing fields guided by expert faculty.
- Aimed to foster confidence, inspiring participants to pursue research careers through higher studies.
- Commitment to equip participants with practical skills and instill a strong sense of belonging in the computing research community.
- A platform for the students to have a flavour of research in computing and enhance their learning.
- Focus extends beyond traditional learning, and offering professional collaborative growth opportunities.



Faculty Mentors



Prof. Millie Pant
IIT Roorkee



Prof. Karun Rawat
IIT Roorkee



Prof. Meenakshi Rawat
IIT Roorkee



Prof. Devki Nandan Jha
Newcastle University



Prof. Pradumn K. Pandey
IIT Roorkee



Prof. Raksha Sharma
IIT Roorkee



Prof. Rahul Thakur
IIT Roorkee



Prof. Pravendra Singh
IIT Roorkee



Prof. Neetesh Kumar
Program Co-ordinator
IIT Roorkee



Prof. Pushpa Choudhary
IIT Roorkee



Prof. Bharti
University of Delhi



Prof. Ranveer Singh
IIT Indore

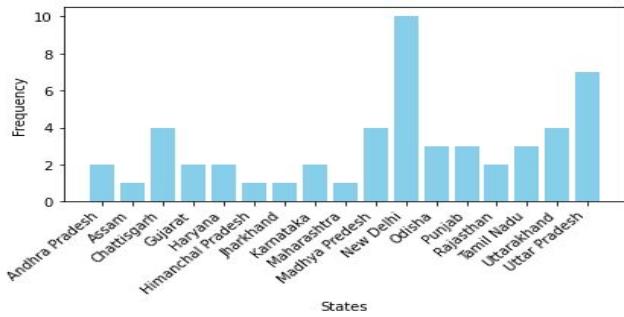
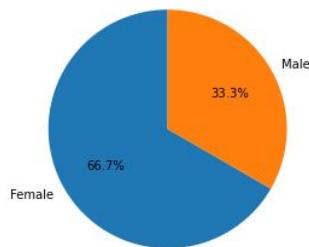


Prof. Chandresh Kumar Maurya
IIT Indore

Statistics

- We received **350+ applications** out of which **50 students** were shortlisted for the program with a special emphasis on encouraging **female students** and students from **remotely located college students**, and those from **low socioeconomic backgrounds**.

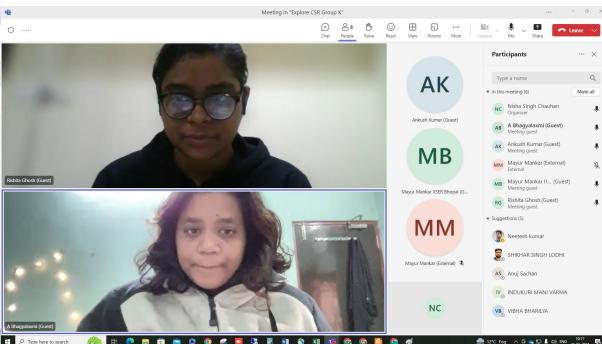
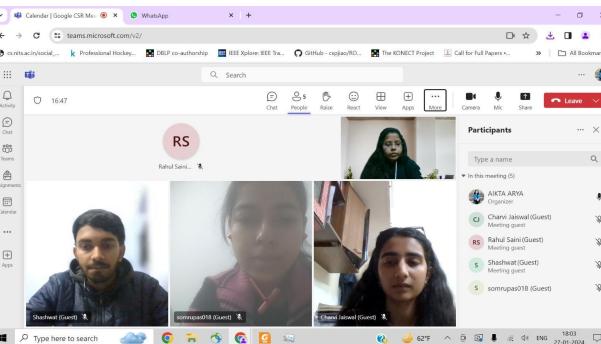
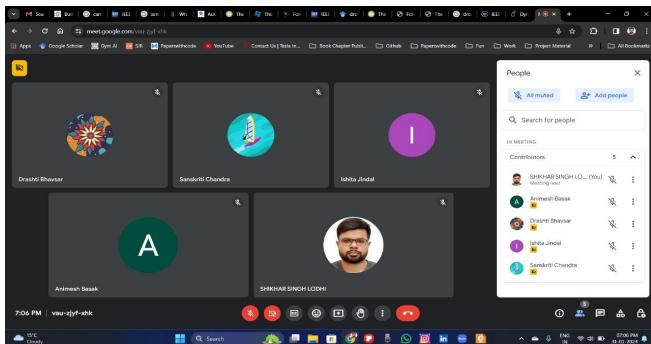
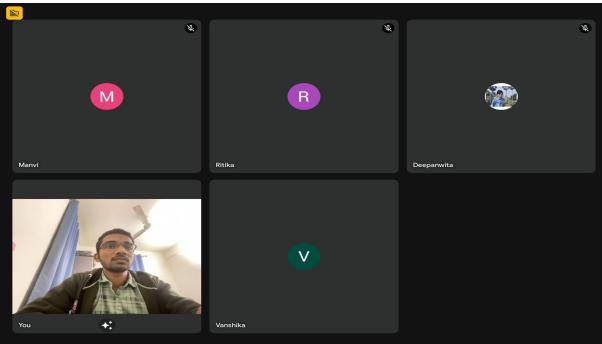
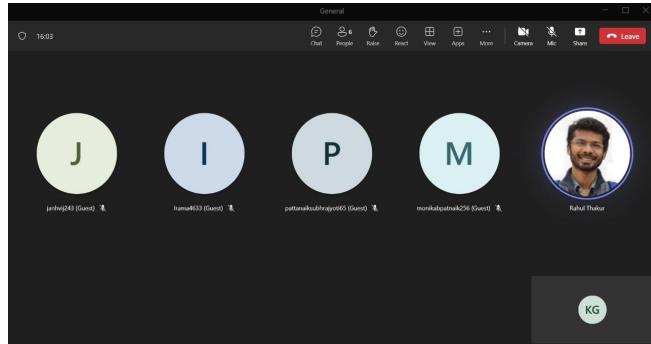
- Covered **18 States**



Timeline



Snaps of Online Mentor-Mentee Interaction



The Final Chapter: Onsite Visit

Highlights of Onsite Visit:

- **34** students from across different parts of the country are **visiting** the IIT Roorkee Campus
- **24 Female** and **10 Male** Students
- **Travel Grant** (financial assistance towards the cost of travel, food and accommodation) for all the students attending the offsite event
- Expert lectures
- Handson Workshops
- Various competitions and exciting prizes.
- And many more...

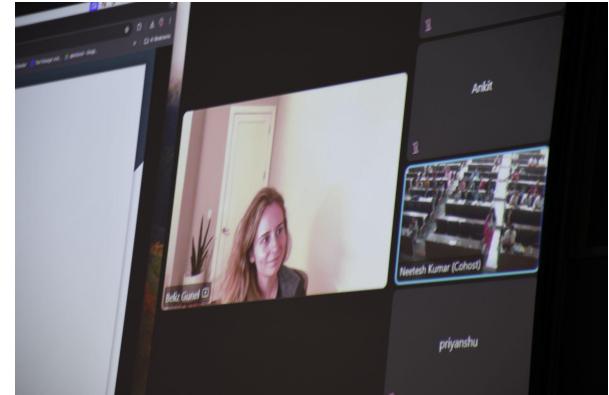
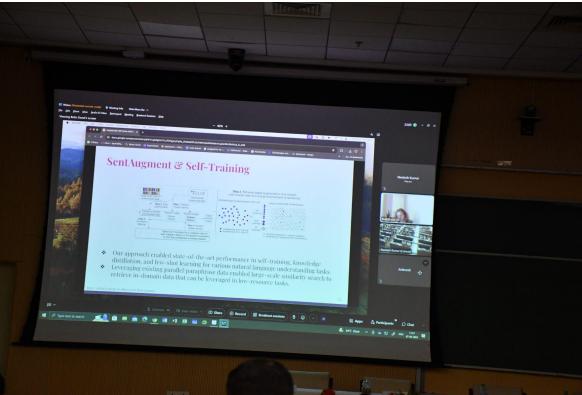
The Final Chapter: Onsite Visit

Day 1 Highlights:

- Inauguration Ceremony
- Expert talk by **Dr. Beliz Gunel**



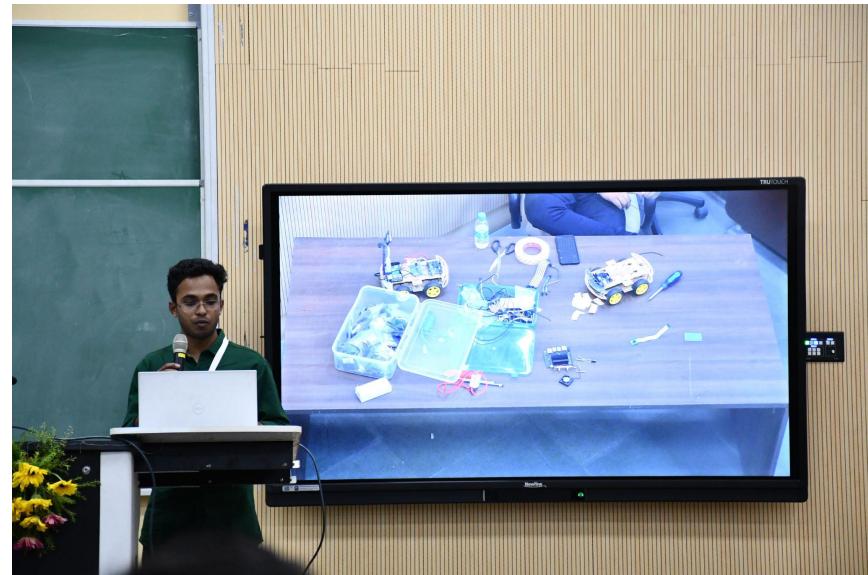
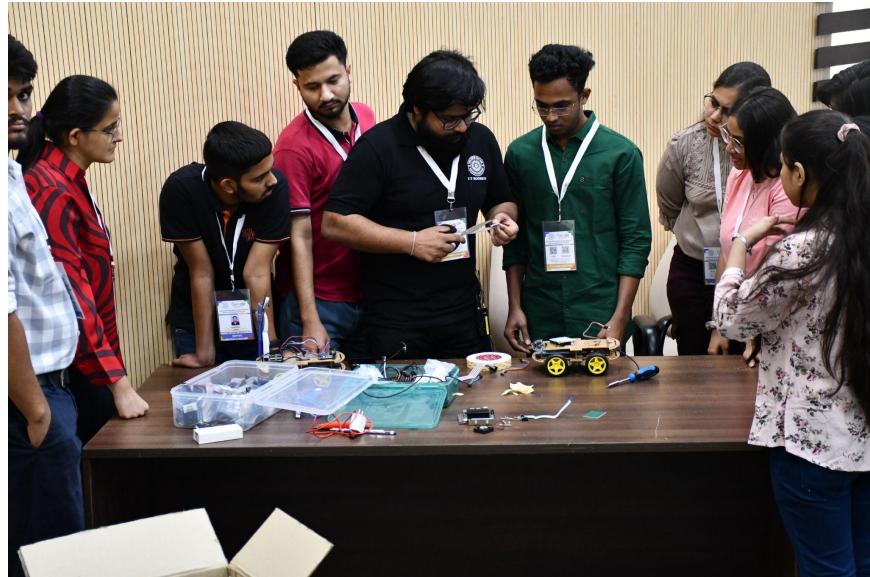
Dr. Beliz Gunel
(Research Scientist)
Google



The Final Chapter: Onsite Visit

Day 1 Highlights:

- Robotics Workshop



The Final Chapter: Onsite Visit

Day 2 Highlights:

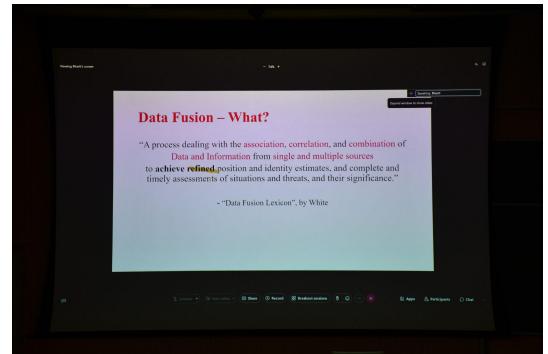
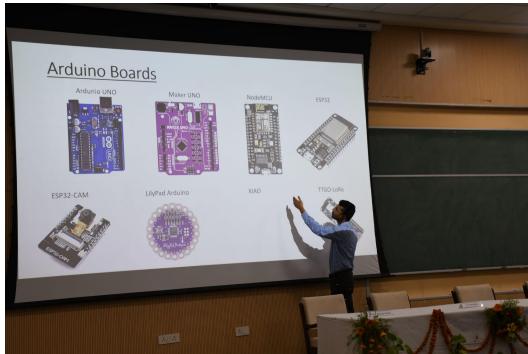
- Expert talk by **Prof. Bharti Rana**
- IoT Workshop by **Prof. Rahul Thakur**



Prof. Bharti
(Assistant Professor)
University of Delhi



Prof. Rahul Thakur
(Assistant Professor)
IIT Roorkee



The Final Chapter: Onsite Visit

Day 2 Highlights:

- Hackathon (Day - 2)



The Final Chapter: Onsite Visit

Day 3 Highlights:

- Expert talk by **Prof. Aparajita Khan**
- Expert talk by **Prof. Indu Joshi**
- Expert talk by **Dr. Anil Kumar Giri**



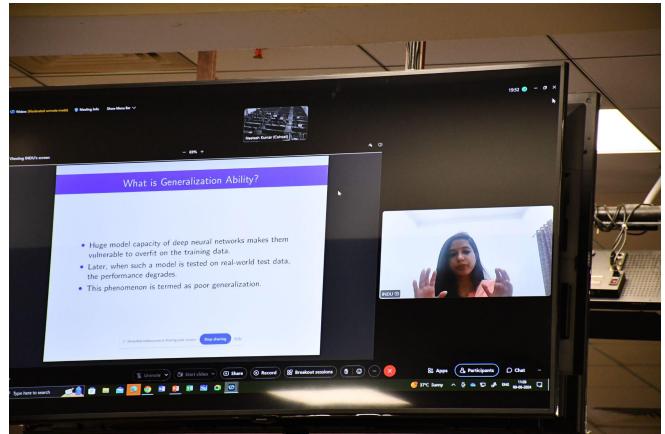
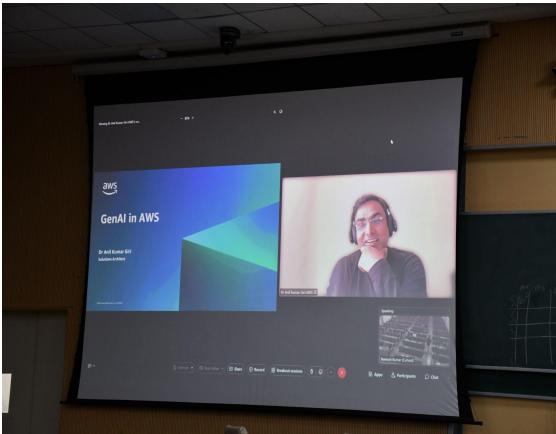
Prof. Aparajita Khan
(Assistant Professor)
IIT Roorkee



Prof. Indu Joshi
(Assistant Professor)
IIT Mandi



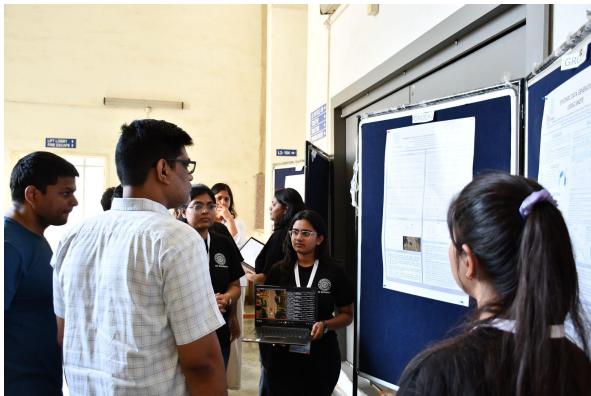
Dr. Anil Kumar Giri
(Solution Architect ISV)
AWS London



The Final Chapter: Onsite Visit

Day 3 Highlights:

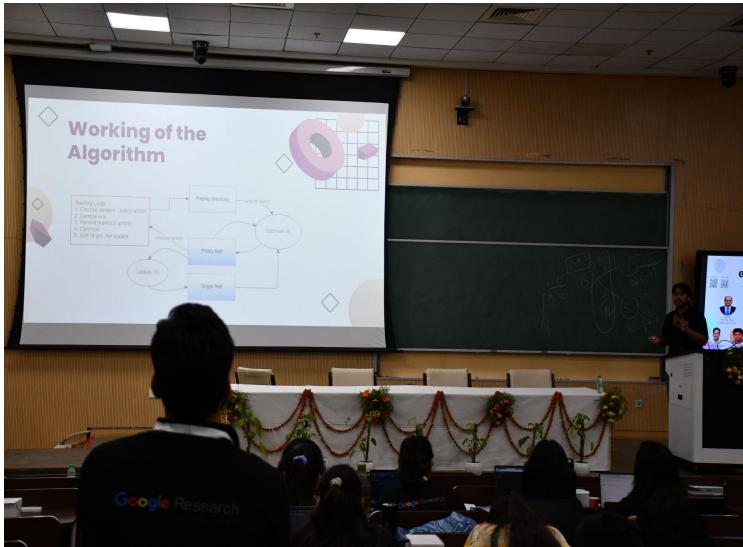
- Poster Presentation and Evaluation



The Final Chapter: Onsite Visit

Day 3 Highlights:

- AI-based demonstration of Real World Applications



exploreCSR Team Members & Participants



Outcomes

The outcomes of this program are as follows:

- **Awareness among Students:** This program increased awareness about computer science research and its impact, highlighting how young minds can make significant contributions.
- **Academic Publications:** It encouraged students to publish their research findings in reputable journals and conferences.
- **Educational Impact:** The program inspired students to pursue higher studies, paving the way for future research endeavors.

Outcomes

- The following students have taken admission in different programs to contribute to computer science research, which is the aim of this program.

Admitted into Ph.D.
Ankit Rai (IIT Roorkee)
Sanskriti Chandra (IIT Bhilai)
Ankush kumar (IIT Gandhinagar)
Sajid Javed (IIIT Delhi)
Ankush Kumar (IITGandhinagar)

Admitted into M.Tech.
Shashwat (IISc Bangalore)
Manvi jain (IIT Goa)
A Bhagyalaxmi (JNU Delhi)
Abdul Rehman (IITMandi)
Shashwat (IISc Bangalore)

Contact

Program related query

Student Coordinator

Anuj Sachan (anuj_s@cs.iitr.ac.in)

Nisha Singh Chauhan (nisha_sc@cs.iitr.ac.in)

Email: iccnlab@gmail.com

For regular updates kindly visit the website (<https://explorecsrccn.github.io/>)

Thank you