

UG RESEARCH SYMPOSIUM 2012 – REPORT

The first edition of UG Research Symposium was held on Sunday, 12th August 2012 from 1.00 pm - 7.00 pm in SOM Foyer. It witnessed the participation of over 45 teams (around 80 students). Students presented their beautifully made posters to an audience of over 400 that included UGs, PGs and professors. The Director, IIT Bombay also came down for the event and stayed there for almost 2 hours!

In the tables that follow are department and year-wise distributions of applicants and participants.

Table-1: Department and year-wise applications

	2 nd year	3 rd year	4 th year	5 th year	Total
Aerospace	0	2	2	2	6
Chemical	2	3	2	1	8
Chemistry	1	1	0	0	2
Civil	3	5	2	0	10
CSE	3	5	1	0	9
Electrical	6	9	2	0	17
Energy	1	0	0	0	1
EP	2	0	3	0	5
Mechanical	3	0	0	0	3
MEMS	1	7	3	0	11
Total	22	32	15	3	72

Table-2: Department-wise participant teams

Aerospace	5
Chemical	4
Chemistry	1
Civil	7
CSE	6
Electrical	12
Energy	1
EP	2
Mechanical	4
MEMS	6
Total	48

Table-3: Department-wise participants

Aerospace	10
Chemical	6
Chemistry	1
Civil	10

CSE	9
Electrical	15
Energy	1
EP	2
Mechanical	14
MEMS	7
Total	75

Viewers:

Over **400** (75 participants + 250 students who attended App(intern) fundae session + 100 students who attended talks by professors)

Attendance in each of the 3 talks = Over 100

Timeline:

30th July Mail inviting abstracts from students sent on Student Notices

3rd August Deadline for submission of abstracts

6th August Poster-making fundae session

9th August Deadline for submission of posters

12th August Symposium

Detailed notes:

For abstract-submission, the google form was linked to the SPUR website. So, in a way, it was the launch of SPUR website.

Fundae session was taken by Harsh Maheshwari (4th year UG student, MEMS Department) in LCC-12. The session was attended by 25 students (mostly sophomores).

Links to videos and websites for poster-making were mailed to the participants to ensure good quality of the posters. In order to maintain uniformity, the size of the poster was fixed at 2 by 3 feet (portrait or landscape)

Participants submitted their posters by 9th August.

Judging:

Symposium was judged by two senior PhD students. They spent nearly 3 hours seeing and listening to all the poster presentations.

Winners:

First position was shared by two teams both in their 4th year:

1. Saurabh Bholra and Alankar Saxena (CSE Department)

Topic of their poster: "Encryption Domain Text Retrieval System"

2. Apoorv Maheshwari, Pranav Raheja, Nishant Khanduja, Mitanshu Sharma, Raj Patel, Achyut Panchal and Amit Mangtani (Aerospace Department)

Topic of their poster: "Design and Development of a Multi Stage Contra Rotating Mini Axial Compressor"

Third position was won by Saubhagya Singh Rathore and Mohit Gupta, 3rd year UG students, Civil Engineering Department. Topic of their poster was "Aquifer Decontamination using MODFLOW and MT3D in GMS (Groundwater Modeling System)"

The following teams missed the tops spots by a narrow margin and hence were given a special mention:

1. Sampath Satti, 3rd year, Electrical Engineering
2. Sabareesh Nikhil, 3rd year, Electrical Engineering
3. Arka Sekhar Sarkar and Astha Airan, 5th year, Chemical Engineering
4. Puneet Arora and Vaibhav Ostwal, 3rd year, Electrical Engineering
5. Neeraj Ranjan and Nevil Savla, 3rd year, Mechanical Engineering
6. Gaurav Bansal

Talks by Professors:

As part of the Symposium, 3 talks by professors were organised. All 3 talks were held in IRCC auditorium.

1. Prof. Milind Sohoni

Computer Science and Engineering Department and Head, CTARA - Centre for Technology Alternatives for Rural Areas, IIT Bombay

Time: 3.30 - 4.30 pm

Title: "Science and Technology: Development, Culture and Politics"

About the talk:

Prof. Sohoni believes that the role of an Engineering college should be that of a regional solution provider. In the talk, he analyzed the nature of Research and Development (R&D) as it is practiced in IITs and its effect on India's development. The revolutionary talk left a lasting impression on the audience!

2. Prof. R.B. Sunoj

Chemistry Department

Time: 4.45 - 5.45 pm

Title: "Why should you do research?"

About the talk:

Prof. Sunoj is a proponent of UG Research. In the talk, he analyzed the importance of research for a UG, through amazing illustrations and very lucid examples, sprinkled with humour, which made the talk very relatable to the students.

3. An interactive session with Prof. V.M. Gadre

Electrical Engineering Department

Time: 6.00 - 7.00 pm

Title: "From UG to a Professor"

About the talks

Prof. Gadre went down the memory lane and recounted his days as a UG student in IIT Delhi to a Professor in IIT Bombay. He answered various queries of students about research and academics. His down-to-earth nature made the talk very memorable one.