

SPG Student Chapter IIT Roorkee Organises “Geosynergy-2015” Sponsored by SPG-India In association with Department of Earth Sciences, IIT Roorkee

The Department of Earth Sciences, IIT Roorkee is one of the leading departments in the country engaged in high quality teaching, research and consultancy in the field of Earth Sciences. Cognizance is the annual technical festival of IIT Roorkee which provides a platform for talents within the country to showcase their skills. The Department of Earth Sciences contributes to Cognizance with its various events at departmental stage (which we also refer to as 'Geosynergy'). This year's Geosynergy was sponsored by Society of Petroleum Geophysicists and it was organised in association with Department of Earth Sciences, IIT Roorkee during 27 to 29 March 2015.

The following events were organized in Geosynergy-2015 at Department of Earth Sciences:

1. **Ideaz:** It is a national paper presentation event in which we organized two separate events namely - Ideaz A and Ideaz B based on different themes:
 - **Ideaz A** - New Trends in Earth Sciences
 - **Ideaz B** - EnP of Energy Resources
2. **Spotlight:** In this event, participants are given a problem statement, and are encouraged to provide a novel solution to the given problem. This year's case study involved helping out Ministry of Defence and Government of India to build a "RADICAL DEFENCE SYSTEM" against terrorism.
3. **Prototype:** It is a national level model making competition wherein the student can exhibit their geological and geophysical innovativeness in developing a practical working model as per the given topic. This year's topics were:
 - Demonstration on any Geophysical Prospecting Method, or

- Demonstration of Plate Margins and associated structures.
4. **Spectrum:** It comprises of on-the-spot events. This year the following events were organized under Spectrum.
 - **Conundrum:** Its on-the-spot quiz contest, a general comprehensive quiz, with open to all nature (no branch restrictions).
 - **Geo-modeling:** It is on-the-spot model making contest. It is a team event where participation has to be in a team of two. It tests the mettle by making the model according to the given problem statement.

“Geosynergy-2015” got tremendous response from students all over the country. The craze for Geosynergy-2015 can be gauged from the high number of registrations i.e. 198.

From all the abstracts received, a fixed number were shortlisted for the second round, where the participants have to give a presentation in front of the judges. The colleges from which we got participation this time includes:

- University of Petroleum and Energy Studies (UPES), Dehradun, Uttarakhand
- Rajiv Gandhi Institute of Petroleum Technology (RGIT), Rae Bareilly, Uttar Pradesh
- Dehradun Institute of Technology (DIT), Dehradun, Uttarakhand
- Pandit Deendayal Petroleum University, Gandhinagar, Gujarat
- Indian Institute of Technology, Roorkee, Uttarakhand

Apart from these we also received abstracts from Bundelkhand Institute of Jhansi, BBDNITM Lucknow, and Utkal University, Orissa.

Summary & Results of “Geosynergy-2015”:

Event	Number of Teams which Participated	Judges	Winners
Ideaz - A	8	1. Prof. Sagarika Mukhopadhyay 2. Prof. R. Krishnamurthy	1. Dikshant Mudgal (UPES) 2. Supratim Dey (IITR)
Ideaz - B	23	1. Prof. A. K. Sen 2. Dr. Ashutosh Chamoli	1. Shivam Saxena (UPES) 2. Kondam Shashank (UPES) 3. Anish Singh (UPES)
Geo-modeling (Spectrum)	31	Prof. A.S. Maurya	1. Rohan Purohit (IITR) 2. Prithvi Thakur (IITR)
Conundrum (Spectrum)	24	N/A	1. Abhishek Nayak (IITR) 2. Rushil Nagda (IITR)
Spotlight	6	1. Prof. Mohammad Israel 2. Prof. Biplab Bhattacharya	1. Ankit Bhandari (IITR) 2. Sugat Srivastava (UPES)
Prototype	4	1. Prof. Anand Joshi	1. Shakul Mittal (IITR) 2. Harshul Khandelwal (IITR)

Glimpses of “Geosynergy-2015”

