Research fair Anusandhan 2018, 17th March

The Research Council of IIT Mandi, a team of nine leading members from different disciplines has organised a day long institute research fair, Anusandhan on Saturday 17th March 2018. This is a wide platform for all the scholars to present their work by means of either poster or oral presentations. Dr. Ramesh Oruganti, Dr. Suman Kalyan Pal and Dr. Venkata Krishnan has inaugurated the session followed by a motivating and informative speech by the event chief guest, Dr. Ramesh Oruganti. A total of 32 oral and 110 poster presentations were given by the research scholars. The honorable professors from different schools at IIT Mandi has evaluated the performance of various oral and poster presentations keeping interdisciplinary theme in mind. The whole day was divided into three main sessions, Oral flash talks session I, Oral flash talks session II and Poster session. In oral flash talks, each speaker has given only 4 minutes, last 1 min being the questionnaire session. Later, various posters were presented in D1 Cedar mess and D1 lounge as part of the event 'Poster Session'.Thanks to the research council for putting together this engaging and inspiring programme. Special thanks to all the Judges who have spent their Saturday in evaluating the research stories of all the participants.

Pics courtesy: Akash dakoor, Navneet Sharma, Rishabh Dharmani, IIT Mandi Shutterbugs.
Panel of Judges: Satinder Sharma (SCEE), Viswanath Balakrishnan (SE), Shyamasree Dasgupta (SHSS), Shyam Kumar Masakapalli (SBS), Sumit Sinha Ray (SE), Shail Shankar (SHSS), Amit Jaiswal (SBS), Gopi Srikanth Reddy (SCEE), Manoj Thakur (SBS), Deepak

Swami (SE), Pradeep Kumar (SE), M. Talha (SE), Prosenjit Mondal (SBS), Rajendra Ray (SBS), Ankush Bag (SCEE), Bindu Radhamany (SBS), Aditi Haldar (SBS)

Best oral presentations

1. Sharad Kumar Gupta

Selection of Weightage for preparation of Landslide Susceptibility Zonation Maps.

2. Naresh M.

Early Monitoring and warning systems for Rainfall Induced Landslides.

3. Bandana Devi

Poly carboxyl decorated Fe (III) based xerogel derived multifunctional composite material
($Fe_3O_4/Fe/C$) as an efficient electrode material towards oxygen reduction reaction and supercapacitor application.

4. Chandrakant

Cellulosic waste to valuables via efficient microbial bioprocessing.

5. Sumeet Kumar Sharma

Deformation induced electromagnetic radiation: Possible sensing for structural health monitoring.

Best Poster Presentations

1. Akash K Rao

Design of a Human Performance Modeling Framework for Cognitive enhancement using Indirect Visual Displays and Virtual Reality.

2. Avantika Singh

GHCLNet: A Generalized Hierarchially tuned Contact Lens Detection Network.

3. Duni Chand Thakur

Study of the anomalies found in Weeks Chandler and Anderson (WCA) model in low density super-cooled regimes.

4. Harpreet Kaur

Interesting Scaffold for Environmental Remediation.

5. Mohammad Ishtiyaq Qureshi

On the Network Coding Advantage in Undirected Networks.

6. Preeti Gulia

Effect of Side Walls on Sound Transmission loss through Sonic Crystals.

7. Ravada Bhaskara Rao

A Supervisory Control Algorithm for a residental microgrid with hybrid energy storage system.

8. Shounak Roy

Poly (allylamine hydrochloride) funtionallized reduced Graphene Oxide nanocomposites (RGO_PAH) for potential application in non-viral gene delivery.

9. Sneha Das

Study of moisture induced degradation in concrete: A numerical approach.

10. Piyush

Rapid Growth of high surface area Au dendrites coated with Fe_2O_3 using one step electroless method for supercapacitor application.
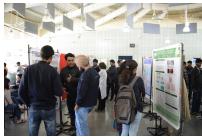

Anusandhan Inaugration by Dr. Ramesh Oruganti, Dr. Suman Kalyan Pal and Dr. Venkata Krishnan

Posters evaluation by judges

Oral presentations

Valedictory Session

Poster Session

Research council 2017-18