

Brief Report on
Technical Event: Param Nirman- “Working Model Making Competition”
17th December 2022

The Department of Civil Engineering successfully organized a technical event: **Param Nirman- Working Model Making Competition**. 12 groups registered in this event and 11 demonstrated their prepared working models. These working models were demonstrated on 17th December 2022, Ground Floor, Department of Civil Engineering, Block-F. The event aimed at creating a platform to explore, learn and promote the engineering application among the students through a working model development competition. The objective was to transform the young potential into technical excellence with the flame of curiosity, knowledge, technology and application. This event fulfilled SDG-4 and SDG-9 objectives by facilitating quality education in the civil engineering field where they can explore their skills, innovation and attain practical engineering solutions .

Students got registered in a group minimum of 4 members to participate in this event. Each group was allotted a faculty member as mentor to help in developing a working model. All the models demonstrated an idea or a process. Monetary help was also provided to participants for the development of the model by the University. The event was graced by a galaxy of dignitaries including Hon’ble Chancellor Prof. Syed Waseem Akhtar, Hon’ble Pro-Chancellor Dr. Syed Nadeem Akhtar, Hon’ble Vice-Chancellor Prof. Javed Musarrat, Director-International Campus & CIED Mr. Syed Adnan Akhtar, Executive Director, Integral Institute of Medical Sciences & Research, Lucknow Mr. Syed Mohammad Fauzan Akhtar.





Dignitaries and Guest Gracing the Event




The models were judged on the Model Performance, Engineering Application, Creativity in Model, Presentation and Q/A Session. The winner of the event was Group 4, Integral's Mini Dam, which demonstrated the working of a dam with sluice gate capable of generating hydroelectric power. The runner-up of the event was Group 4, Tensegrity-Floating Chair, which demonstrated the practical application of the latest tensegrity concept in small working models and a chair.



All the groups excellently demonstrated the ability of critical thinking and application of engineering knowledge.

Details of Working Models Prepared by Integralites

Group No.	Model Name/ Year/Mentor	Participant
1	<p>Wastewater Treatment Plant</p> <p>Year: B.Tech Civil Final Year</p> <p>Mentor: Mr. Mohd Asim, Assistant Professor, Department of Civil Engineering</p>	 <p>Group 1- Wastewater Treatment Plant: Zaina Ahmed, Ranjana Bairagi, Shadan, Ritika Yadav, Shikha Chaurasia, Mahmood Husen</p>
2	<p>Water Distribution System with Ground Water Recharge System</p> <p>Year: B.Tech Civil Second Year</p> <p>Mentor: Mr. Md. Sajid, Assistant Professor, Department of Civil Engineering</p>	 <p>Group 2- Water Distribution System with Ground Water Recharge System: Aman Siddique, Mohd Fareed, Mohd Arsalan, Mohd Abid Raza, Mohd Iqbal, Mohd Mustafa</p>

<p>3</p>	<p>Transformable Table</p> <p>Year: B.Tech Civil Third Year</p> <p>Mentor: Mr. Tabish Izhar, Assistant Professor, Department of Civil Engineering</p>	 <p>Group 3- Transformable Table: Habiburrahman, Kashif Khan, Afjal Khan, Syed Faizan Abbas Rizvi, Anas Jamal, Mohd Aman</p>
<p>4</p>	<p>Integral's Mini Dam</p> <p>Year: B.Tech Civil Second Year</p> <p>Mentor: Dr. Neha Mumtaz, Assistant Professor, Department of Civil Engineering</p>	 <p>Group 4- Integral's Mini Dam: Muhammad Aariz Siddiqui, Anmol Tiwari, Sarfraj Siddiquei, Shoeb Akhtar, Mohammed Hassan, Mod Tufail</p>
<p>5</p>	<p>Sustainable Urban Road Cleaning System</p> <p>Year: B.Tech Civil Third Year</p> <p>Mentor: Mr. Faraz Hasan Qadri, Assistant Professor, Department of Civil Engineering</p>	 <p>Group 5- Sustainable Urban Road Cleaning System: Alimuddin, Sadiq Hussain, Mohd Aas, Farhan Mallick</p>

<p>6</p>	<p>Floating Chair or Tensegrity Structure</p> <p>Year: B.Tech Civil Final Year</p> <p>Mentor: Mr. Tabish Izhar, Assistant Professor, Department of Civil Engineering</p>	 <p>Group 6- Floating Chair or Tensegrity Structure: Jazbiya Suhail, Hanzala Uddin, Raaz Ahmad, Mohammad Aknan, Abdul Haque, Muntasir Abbas Naqvi</p>
<p>7</p>	<p>Openable Bridge</p> <p>Year: B.Tech Civil Second Year</p> <p>Mentor: Mr. Mohd. Sadat, Assistant Professor, Department of Civil Engineering</p>	 <p>Group 7- Openable Bridge: Hafizurrahman, Irshad Alam, Ijaj Ahmad, Syed Saif Razi, Danish Junaid, Nabeel Ahmad</p>
<p>8</p>	<p>Trio Chair</p> <p>Year: B.Design Second Year</p> <p>Mentor: Ar. Md Noor Alam Khan, Assistant Professor, Department of Architecture</p>	 <p>Group 8- Trio Chair: Kanchan Saini, Tabish Qamar, Mohd. Babar, Afiya, Ragiba Parveen, Saksham Singh</p>

<p>9</p>	<p>Ainaa</p> <p>Year: B. Design Second Year</p> <p>Mentor: Ar. Md Noor Alam Khan, Assistant Professor, Department of Architecture</p>	 <p>Group 9- Ainaa: Utkarsh Singh, Azra Ansari, Umme Hani, Umay Aiman, Tuba Shariq, Mohd. Fardeen</p>
<p>10</p>	<p>Earthquake Resistant Structure</p> <p>Year: B.Arch Second Year</p> <p>Mentor: Ar. Zulnoorain Khairoowala, Assistant Professor, Department of Architecture</p>	 <p>Group 10- Earthquake Resistant Structure: Mohammad Sharique, Mohammad Arshad Qadir, Nabeel Farihozzaman, Shad Ahmed, Razaullah Farooqui, Mohammad Shayan</p>

<p>11</p>	<p>Energy Efficient and Thermal Comfort Building</p> <p>Year: B.Arch Third Year</p> <p>Mentor: Ar. Safa Seraj, Assistant Professor, Department of Architecture</p>	 <p>Group 11- Energy Efficient and Thermal Comfort Building: Abdurrab Ansari, Shruti Jaiswal, Siddhartha Kalhans, Asif Khan, Mirza Rabey Beg, Shafiur Rahman</p>
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Event Faculty Coordinators:

Mr. Tabish Izhar, Assistant Professor, Department of Civil Engineering, Integral University

Mohd. Asim, Assistant Professor, Department of Civil Engineering, Integral University

Dr. Neha Mumtaz, Assistant Professor, Department of Civil Engineering, Integral University

EVENT AT GLANCE





Prize Distribution



Winner: Integral's Mini Dam



First Runner up: Tensegrity Structure



Second Runner up: Openable Bridge