



L J Institute of Engineering and Technology

SOLAR POWERED TREE STRUCTURE DESIGN COMPETITION

L. J. University
L. J. Institute of Engineering & Technology
Organizes

SOLAR POWERED TREE STRUCTURE DESIGN COMPETITION 2020

Virtual Event Flow

4 DECEMBER, 2020
09:30 AM | Event Introduction and Inspiration Behind
09:40 AM | Introduction of Hon., VC
09:45 AM | Welcoming to Invited Industrial Experts
09:50 AM | Greetings from the Hon., VC.
10:00 AM | Technical Presentation by Participants

5 DECEMBER, 2020
10:00 AM | Technical Presentation by Participants
01:15 PM | Experts' Opinions and Reviews
01:35 PM | Word of Appreciation from Director
01:40 PM | Vote of Thanks

Industrial Experts
Dr. Omkar Jani
Mr. Prasham Vora
Mr. Prakash Vani
Mr. F.D. Patel

JOIN US LIVE ON

4 DECEMBER, 2020
<https://meet.google.com/yet-gmrd-czc>

5 DECEMBER, 2020
<https://meet.google.com/ghr-yyth-xan>

<u>Inspired By</u>	<u>Event Chairperson</u>	<u>Supported By</u>	<u>Organized By</u>	<u>Event Hosts</u>	
Dr. Manish Shah Vice President, LJU	Dr. Dinesh Awasthi Hon., Vice Chancellor, LJU	Dr. Anil Suthar Director, LJU	Ms. Prexa Parikh, HOD Mr. Tushar Thakar, HOD	Mr. Manish Patel Mr. Milan Trivedi	Mr. Kavith Shah Mr. Sandip Delvadia

Solar Powered Trees are beneficial in a land-scarce economy: Solar trees need nearly 100 times less space to produce the same amount of electricity as a horizontal solar plant. It will enhance students' knowledge about green energy.

Brief of the event:

LJ Institute of Engineering and Technology organized a virtual event on designing solar tree structure

In current scenario nonrenewable energy sources are depleting day by day in the same line value of renewable energy source is rapidly increasing and solar energy comes out to be an economical option as energy source. When we talk about space, aesthetics and cost, Solar trees proves to be a ground-breaking alternative to conventional solar

plants. Considering that scenario, with the vision and leadership of Dr. Manish Shah – the president of LJ Group of institutes, LJ Institute of engineering and technology recently organized a virtual event on open ended design challenge for an innovative solar tree structure dated on 4th and 5th December 2020 for students. The students were given a task to design a unique structure for solar tree following certain specifications. Automobile and Mechanical Engineering students took part in the online event where their designs were evaluated by expert jury members. Total 44 students registered for the event, out of which 16 students' design was selected and presented in an online event. Jury Member team comprises of Dr. Omkar Jani, Mr. Prasham Vora, Mr. Prakash Vani and Mr. F.D.Patel evaluated students design considering each and every aspects and finalized the result. Dhruvit Rami won the first prize. Dhruvit Mehta won the second prize and third prize was a tie between Dhruvit Doshi and Krunal Dantoliya.



Rank : 1st

Student's Name : Dhruvit Rami

Branch : B.E.(Mechanical) Sem: 5th

Area : 4.53 m²

Structure material : Stainless Steel

Weight of the structure : 300 Kg

Cost :1,69,000 Rs

Rank : 2nd

Student's Name : Dhruvit Mehta

Branch : B.E.(Automobile) Sem: 7th

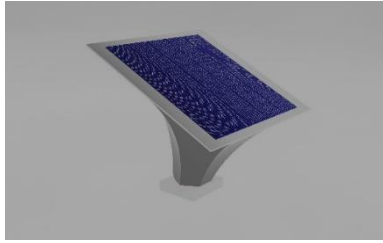
Area : 25.87 m²

Structure material : Steel Alloy material

Weight of the structure : 2007 Kg

Cost : 1,86,912 Rs





Rank : 3rd

Student's Name : Krunal Dantoliya

Branch : B.E.(Mechanical) Sem: 7th

Area : 24.481 m²

Structure material : Stainless Steel, RCC base

Weight of the structure : 1000 Kg

Cost : 4,30,000 Rs

Rank : 3rd

Student's Name : Dhrumil Doshi

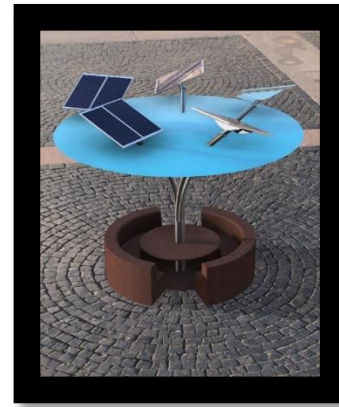
Branch : Diploma (Mechanical) Sem: 5th

Area: 290.5 m²

Structure material : Steel, Plastic

Weight of structure : 20520 Kg

Cost : 1300000 Rs



Link to view Event Inauguration ceremony:

<https://www.youtube.com/watch?v=pGWkrwDcABg&list=PLDnZjgOrctkeMEwA2caGDhNbi0843TznU&index=3>

Valedictory function:

<https://www.youtube.com/watch?v=zcqxKfXSgkw&list=PLDnZjgOrctkeMEwA2caGDhNbi0843TznU&index=2>

Glimpses of Event:



Winners:

Winners were felicitated with cash prize and certificate on 23rd December 2020 in presence of Dr.Omkar Jani, Dr. Manish Shah, Dr. Dinesh Awasthi.



(Group photo with winners)



(First prize winner-Dhrumit Rami, B.E. Mechanical (Sem 5))



(second prize winner-Dhruvit Mehta, B.E. Automobile (Sem 7)



(Third prize winner-Dhruvil Doshi, Diploma Mechanical (Sem 5)