



### Yukti Innovation Challenges

Last date for submission of the document is 15th September

Sr. No.	Innovation Id	Title	Round 1	Regional Meet	Nomination
1	IR2022-814378	Sonic Solaric- Transportation is transforming and so we are	<a href="#">Edit Submission</a>	Regional Meet City :- Indore Willing to Exhibit :- Yes Number of Participant :- 2	<a href="#">Remove Nominated</a>

### CONTACT

MoE's Innovation Cell

All India Council for Technical Education (AICTE), Nelson Mandela Marg, VasantKunj, New Delhi-110070.



**INSTITUTION'S INNOVATION COUNCIL  
MOE'S INNOVATION CELL**



**Institute Name:**

**OP JINDAL UNIVERSITY**

**Title of the Innovation/Prototype:**

**Sonic Solaric- Transportation is transforming and so we are**

**Team Lead Name:**

**Dharmender Singh Saini**

**Team Lead Email:**

**dharmender.saini@opju.ac.in**

**Team Lead Phone:**

**9977612698**

**Team Lead Gender:**

**Male**

**FY of Development:**

**2021-22**

**Developed as part of:**

**Academic Research Assignment/Industry Sponsored Project**

**Innovation Type:**

**Product**

**TRL LEVEL:**

**6**

**MRL Level:**

**MRL 6: Capability to produce a prototype system or subsystem in a production relevant environment**

**IRL Level:**

**IRL 1: Basic Research (Need Identification & Peer Review Publications) & Completed First-Pass Business Model Canvas (BMC)**

**Theme:**

**Smart Vehicles/ Electric vehicle/ Electric vehicle motor and battery technology, Renewable and affordable Energy, IoT based technologies (e.g. Security & Surveillance systems etc), Sustainable Environment,**

**Define the problem and its relevance to today's market / society / industry need:**

**The objective of this solar cum e-vehicle project is to raise awareness among future generation of engineers about renewable energy resources and push them for development in this sector so that the world could meet the requirement of Sustainable Development and the young technocrats can serve the country in the future.**

**Describe the Solution / Proposed / Developed:**

**The team rejuvenated the thought to process and safeguard all the people under the shield of Solar and Electrical energy in automobile sector under the dome of inexhaustible sources of energy production.**

**Explain the uniqueness and distinctive features of the (product / process / service) solution:**

**The vehicle is automated with the various innovations like the whole vehicle is remotely accessible through a mobile application with a higher level of security system.**

**How your proposed / developed (product / process / service) solution is different from similar kind of product by the competitors if any:**

**The vehicle is automated with the various innovations and the list goes like Battery Management System, Remotely accessing the vehicle through mobile app, Anti-Collision System ( as soon as the vehicle senses an obstacle at any specified distance the vehicle retards to 0), GPS Monitoring System.**

**Is there any IP or Patentable Component associated with the Solution?:**

Yes - IP not Filed

Copy of IP/Patent Applied or Obtained: [View File](#)

**Has the Solution Received any Innovation Grant/Seefund Support?:**

Yes

**Total grant fund amount (Rs.) Received from various sources: 4**

**Grant fund amount (Rs.) Received From Institute/Incubation Unit: 2**

**Are there any Recognitions (National/International) Obtained by the Solution?:**

Yes

Copy of Latest Achievement: [View File](#)

**\*Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:**

No

**Had the Solution Received any Pre-Incubation/Incubation Support?:**

Yes

**Pre-Incubation / Incubation Unit Name:**

OPJU innovation center

**Video URL:**

<https://www.facebook.com/OPJURaigarh/videos/258565008357690>

**Innovation Photograph:**

[View File](#)

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