

Idea Spark 2019-2020-Report

Introduction:

About the Event:

The Center For Social Innovation & Entrepreneurship (CSIE) as a part of its Social Entrepreneurship Promotion Project, conducted the Grand Finale of Idea Spark competition along with the Shaastra Event of IIT Madras on 6th January 2020 at IIT Madras.

The theme of the Event was” Promoting Sustainable Livelihood Technologies of Indian Artisans”. The main objective of the event was to facilitate technology transfer to the Indian Artisans who lack Modern Technological support.

The participants included the students from Engineering and Arts colleges of Tamilnadu. The jury members were renowned faculties from IIT Madras and a member from Entrepreneurship Development Institute, Guindy, Chennai. Staff members from RuTag team, IIT Madras also took part in the event.

Activities of the Event:

The program comprised of PowerPoint/Video Presentations and demonstrations of prototypes by the Student Participants.

Detailed Proceedings of the Event:

The Program commenced sharp by 10.00 a.m in the morning. There were totally 12 teams and each team there were 4 student participants. A duration of about 12 min were given to them for presenting their prototypes. The participants came up with various innovative prototypes pertaining to the field of Artificial Intelligence, Electricals & Electronics, IoT, and in Mechanical line.

The Event was conducted for Half a day and two slots were allotted totally for the event. Each team were posed various questions at the end of their Presentations. The following questions were posed to them:

Who will be their Target clients?

What is their Commercial feasibility?

What is their Value proposition?

What are the Advantages of their product?

Is their product Cost Effective and how much will the artisans earn by using their product?

The presentations and demonstrations went on till 12.30 p.m. and after that the results were announced by the jury members. The First prize was awarded to the team Agri Stars from Kongu Engineering College. The prototype they came up with was “Seed Sowing Machine”.

One of the major advantages of this machine is that it will drastically reduce the cultivation cost and can be used to cultivate turmeric on a larger scale and is cost effective. The Second prize was awarded to the team Kongunadu Mechanizers from Kongunadu college of Engineering and Technology Thottiyam, Trichy. The prototype demonstrated by them was “Engine Care Equipment”. This prototype has its major advantages in Sago mill Industry. It is mainly used in Bio Gas plant in Sago mills to remove Hydrogen Sulphide Gas easily from the Combustion Chamber after the Fermentation Process without causing corrosion or damage to the Gas Chamber. An additional by-product is also achieved by this process. The Third Prize was awarded to the Team Inspired Innovators. The prototype demonstrated by the team was UNISONOUS. It is a hearing aid Equipment created for people with hearing disabilities. This Equipment is suitable for People of all ages and it is available in various sizes also. It is completely Eco- friendly which does not cause any inconvenience/damage to the ears.

The certificates were given to the winners and participants by Mr. Bhaskaran from EDI. He also pointed out the various Government Schemes and Financial support offered by the government for start up enterprises and how they can get access to it.

Apart from Cash prizes, the winners will also be given mentor support for their start up enterprises in the future by CSIE.

Participants List:

S.no	Student participants details	College/Institution Name	Prototype Name
1	Arjun R Kumaravel P Karthik Gokul/ Vamsi Krishna	Vel Tech Multi-Tech Dr.RR.Dr. SR Engineering College	Foldable Bicycle
2.	Nithish Kumar S Naveen Kumar M Praveen Kumar M P. Raja	Kongunadu College of Engineering and Technology, Thottiam, Trichy-621251	Engine Care Equipment
3.	Sivaprakash Subramaniam	Kongu Arts and Science College, Erode	UNISONOUS (A hearing aid equipment)
4.	Siva Raam Sree Dhiviya Varshini Meenakshi Venkatesh	Sri Ramakrishna College of Engineering, Vattamalaipalayam, Coimbatore-22	AR Museum Using Smart Glass
5.	Naveen Kumar M NithishKumar S s Mohan Raj S Mythili P	Kongunadu College of Engineering and Technology, Thottiam, Trichy 621215.	Solar Based Smart Weigh Bridge System
6.	Vaidhegi. A RaghaPriya Jeevetha Janani	Vel Tech Multi-Tech Dr.RR.Dr. SR Engineering College.	Surveillance Camera with GCM Technology
7.	Jagathesh T Gokul Raja. N Deepak K	Kongu Engineering College, Perundurai, Erode.	Seed Sowing Machine

8.	Sowmiya.M/ /9442835970	St. Joseph's College of Engineering, OMR, Chennai.	Exact detection of Accident place and Ambulance rescue system
9.	M.Pravin A.G. Akash	Kamaraj College of Engineering and Technology S.P.G.C Nagar, K. Vellangkullam Madurai near Virudhunagar.	Development of Farmer Assistance system
10.	Murli Manohar Ajay K Yokesh T Krishna Raj S	Panimalar Institute of Technology, No.391, Bangalore Trunk Road, Varadhajapuram, Ponnammalle, Chennai-600123	Automated Irrigation System & Integrated Approach for Voice and gesture Recognition for interactive Robot
11.	Varsha P Krithika Kiruthika G	Panimalar Institute of Technology, No.391, Bangalore Trunk Road, Varadhajapuram, Ponnammalle, Chennai-600123	Smart Irrigation system based on IOT
12	Ponna Mu Keerthana V Nivetha S Puttu Navya	Panimalar Institute of Technology, No.391, Bangalore Trunk Road, Varadhajapuram, Ponnammalle, Chennai-600123	Efficient Methodology for petroleum plant monitoring by Robot using IoT
13	Ajith Jogi Pankaj Dhaka	IIT Madras	VOise based delivery System

Top Three Winners of the Grand Finale Competition:

1. **1st Prize** – Team Agri Stars, Kongu Engineering College, Perundurai, Erode.
Prototype Name: Seed Sowing Machine.
Participants: Jagathesh T, Gokul Raja N, Deepak K.
2. **2nd Prize**-Team Kongunadu Mechanizers, Kongunadu College of Engineering & Technology, Thottiam, Trichy.
Prototype Name: Engine Care Equipment.
Participants: Nithish Kumar S, Naveen Kumar M, Praveen Kumar M and P Raja.
3. **3rd Prize**- Team Inspired Innovators, Kongu Arts and Science College, Erode.
Prototype Name: UNISONOUS- A Hearing Aid Equipment.
Participants: Siva Prakash Subramaniam.

Photos of the Event:



