

V.R. Siddhartha Engineering College
Department of Electronics & Instrumentation Engineering

INNOVATION DAY 2K19

Title of the Event: Technical Model Exhibition-cum-Competition

Date of the Event: 15th September 2019

No. of Students Participated: 50 from II, III and IV year, B.Tech EIE

Brief Report on Innovation Day Event

Department of Electronics & Instrumentation Engineering organized and celebrated Innovation Day celebrations on 15th September 2019. On the eve of Innovation day, the department of EIE in association with Instrument Society of India (ISOI) student chapter organized Technical model Exhibition- cum -Competition. The outcome of this event is to encourage the students to convert their innovative ideas into real time projects, which will be helpful to the society. 14 project models by 50 participants was exhibited from different fields of applications. The models exhibited belongs to thrust areas like Control and automation, Robotics and control, Internet of Things (IoT) and Advanced Sensors. Out of 14, 4 models was exhibited under control and automation, 3 models was exhibited under Robotics and control, 6 models was exhibited under Internet of Things (IoT) and 1 model was exhibited under Advanced sensors. Out of 14 models, 3 were selected to exhibit at Central Innovation arena and the rest of the models was exhibited at the department venue. The titles of the models exhibited at central Innovation arena was “Eco friendly degradable plastics bags” exhibited by B. Phanindra (168W1A1066) and Syed. Ameer (168W1A10A2) of IV/IV B Tech EIE, “Eco-friendly Smart Bike” P. Maheswara Rao (168W1A1093), S.S.V.Srikar (168W1A10A0), E. Gopi Krishna (168W1A1073), B.Mahesh (178W5A1015) of IV/IV B Tech EIE and “Crop field protection during heavy rainfall and air” by D.Sai Thanmai (178W1A1070), O.Rishika (178W1A1091), P.Shanmukha Narendra (178W1A1099), Y. Dev Kumar (188W5A1011) of III/IV B.Tech EIE. About 100 external visitors and school children from nearby schools came to visit the working models exhibited.

The project titled “Eco friendly degradable plastics bags” exhibited by B. Phanindra (168W1A1066) and Syed. Ameer (168W1A10A2) of IV/IV B Tech EIE won the first prize. The working model titled “Smart Irrigation” by K Sowgandika (178W1A1022), K. Ramya (178W1A1018), V. Hinduja (178W1A1053), V. Neha (178W1A1054) and Y. Sriram (178W1A1057) of III/IV B.Tech EIE won second prize. The model titled “Unmanned

Ground Vehicle with object detection and live video transmission” by L Hemanth (178W1A1082), Md. Ujma Arshin (178W1A1087), M.V.N. Sai Kiran (178W1A1085) and Md Siddeeq (178W1A1088) of III/IV B.Tech EIE won third prize. The model titled “Crop field protection during heavy rainfall and air” by D.Sai Thanmai (178W1A1070), O.Rishika (178W1A1091), P.Shanmukha Narendra (178W1A1099), Y. Dev Kumar (188W5A1011) of III/IV B.Tech EIE won Jury’s appreciation.

Mr. B. Samba Siva Rao, Managing Director, Microsys Automation Ltd, Hyderabad was invited to evaluate the performance of the students working models.

Innovation Day Models Photos



Model Name: Eco friendly degradable plastics



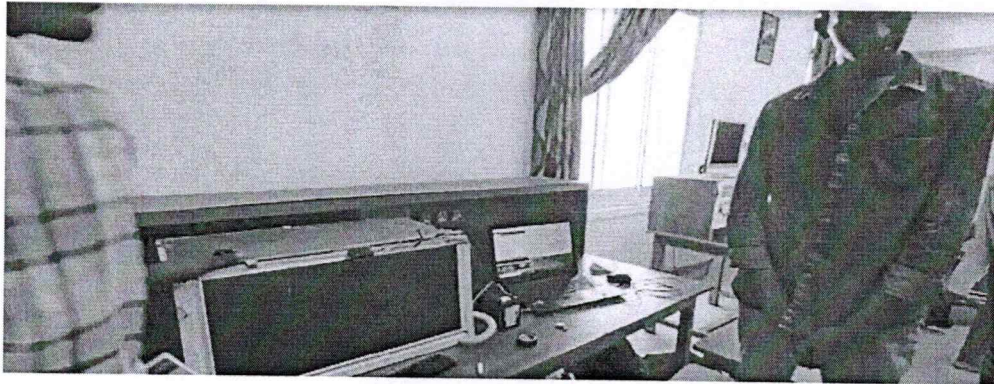
Model Name: Eco friendly Smart Bike



Model Name: Unmanned Aerial vehicle for Remote Surveillance



Model Name: Virtual Telepresence Robot



Model Name: Automatic chalk dust Collector



Model Name: Color detecting Rover robot



Model Name: Smart Irrigation



Model Name: Crop field protection during heavy rainfall and air



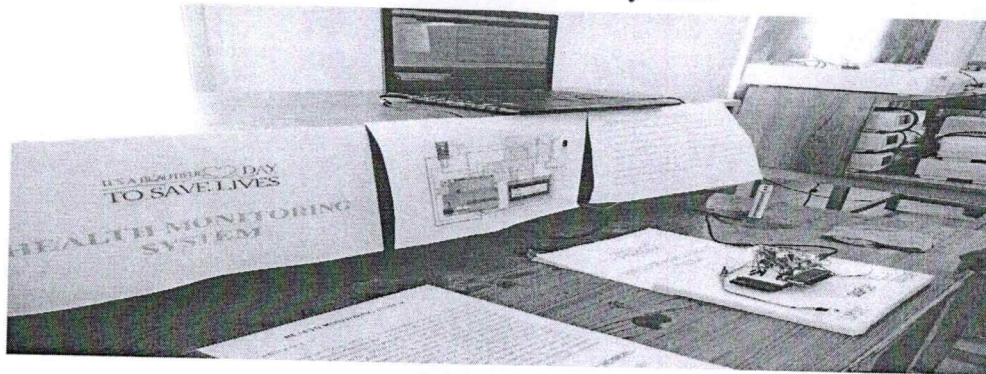
Model Name: Unmanned Ground Vehicle with object detection and live video transmission



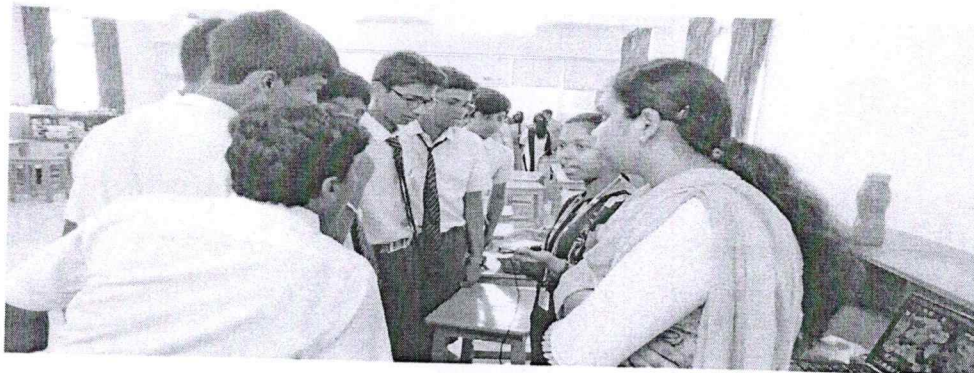
Model Name: IOT System for harmful gas detection in Vehicles



Model Name: **Smart Baby Band**



Model Name: **Health Monitoring System**



Model Name: **Pendrive to pendrive data transfer without PC**



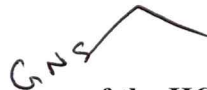
Model Name: **Automatic Signal Indicating system using helmet**

Velagapudi Ramakrishna Siddhartha Engineering College
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Format for the Comprehensive Report of the Engineers' day Model Exhibition
Academic Year: 2019-20

Name of the Department: **Electronics and Instrumentation Engineering**

S.No	Item	Details
1.	Total Number of Model/ Exhibits	14
2.	No of Physical Models	14
3.	No of Soft Models including 3D, 4D and such other presentations	0
4.	No of Students who took part in presenting the models	50
5.	No of prizes given	4
6.	Total Amount of Prize money	10,000/-
7.	Total Amount of money disbursed by the college towards partial financial assistance for model development over and above prize money	64,947
8.	Name and designation of the external judge	Sri B. Samba Siva Rao Managing Director Microsys Automation Ltd, Hyderabad
9.	No of external visitors	150
10.	Any external assistance received for the models or post-event assistance for further development	1
11.	No of models developed referred to or placed in the incubation centre of the department/ college or elsewhere	2
12.	Any publication/ commercialization/ special rewards or such other developments resulted in	Paper entitled " Implementation of Virtual Telepresence Robot using two different approaches raspberry pi and my RIO" accepted for Publication in NSC 2019, IIT Roorkee (Springer Publisher)


Signature of the HOD
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