

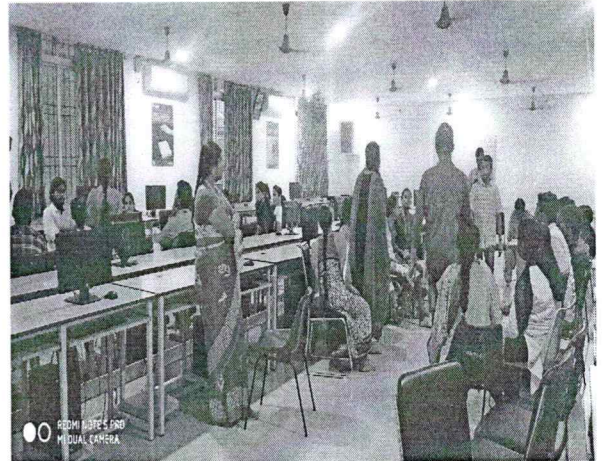
V.R. Siddhartha Engineering College

Department of Electronics & Instrumentation Engineering

Report on In pursuit or Dispute

Instrument Society of India (ISOI) Student chapter organized a event “Inpursuit or dispute” for the students of 2/4 B TECH (EIE) to bring awareness among the student about the student chapter and also for the students of 3/4 B TECH (EIE) to develop the communication skills. This event was conducted on 31st JULY 2019. This event consists of 2 rounds .Totally 10 teams (3 members per each team) have participated in round 1 of this event. Out of which 6 teams were qualified for 2nd round.

V. Neha , V Hinduja and M Chandana of 3/4 B TECH (EIE) were the winners of this event. R.Sowjanya, R Mounika and B. Sai Sahithi of 2/4 B TECH (EIE) were the runners of this event.

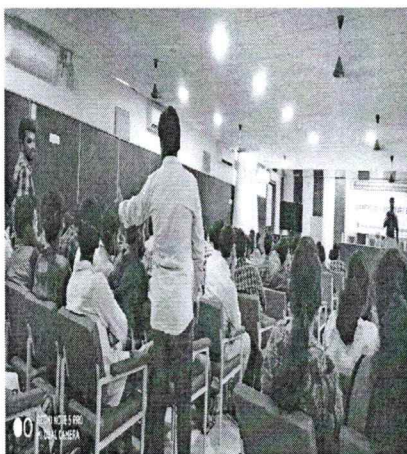


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Department of Electronics & Instrumentation Engineering

Report on Campus to Corporate World

The ISOI student chapter Department of EIE and Department of CSE jointly organized a guest talk on “Campus to Corporate World” on 21st Aug. 2019. The objective of this program was to Industry Institute Interaction. Mr. Surya Raichuri, Engineering Manager, Honeywell was the resource person for this event. He mainly addressed about the role of Instrumentation in the industry and as well in the real world. He discussed about how Honeywell takes the real world problems into projects and provides the solutions for the problems. He also discussed about the industry seeking skills from the student coming from campus. He answered to the questions posed by the students such as how they deal towards projects, certain real time problems where students can take up as the project work in order to provide certain solutions.



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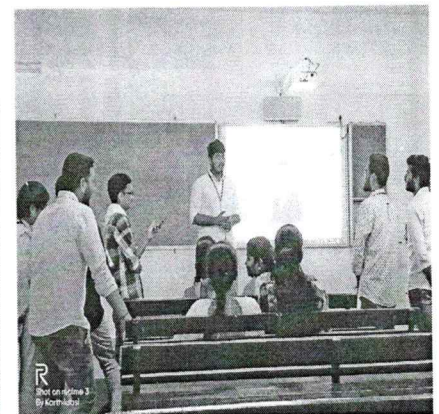
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Department of Electronics & Instrumentation Engineering

Report on TECHIEMINUTE

Instrument Society of India (ISOI) Student chapter organized a technical event “Techieminute” for the students of 2/4 B TECH (EIE) to develop the effective oral communication skills. This event was conducted on 18th december 2019. This event consists of 2 rounds. Totally 16 teams (2 members per each team) have participated in round 1 of this event where the students was given to identify the logo of an industry/MNCs and speak about that for a minute. Out of which 6 teams were qualified for 2nd round of the event where the students was given to identify the famous personalities and speak about the person for a minute.

Ch. Harshavardhan and R Sai Deepak of 2/4 B TECH (EIE) were the winners and B. Sai Hasa, V.V.N.S Harshini of 2/4 B TECH (EIE) were the runners of this event.



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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



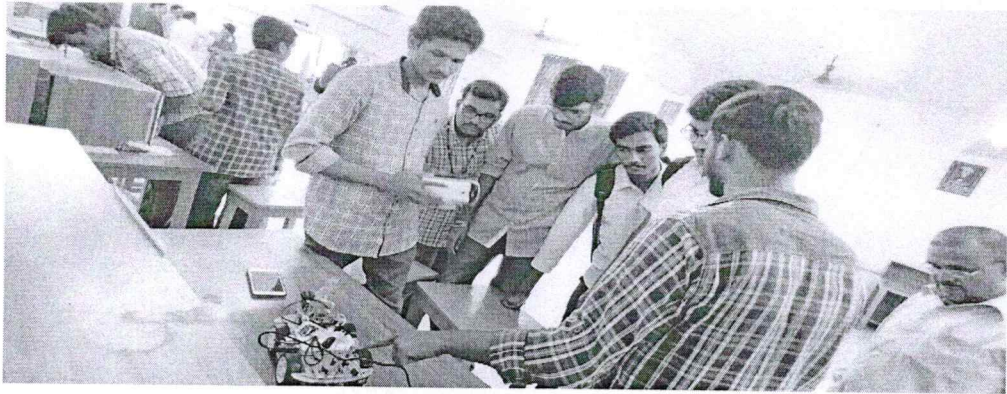
Model Name: Eco friendly degradable plastics



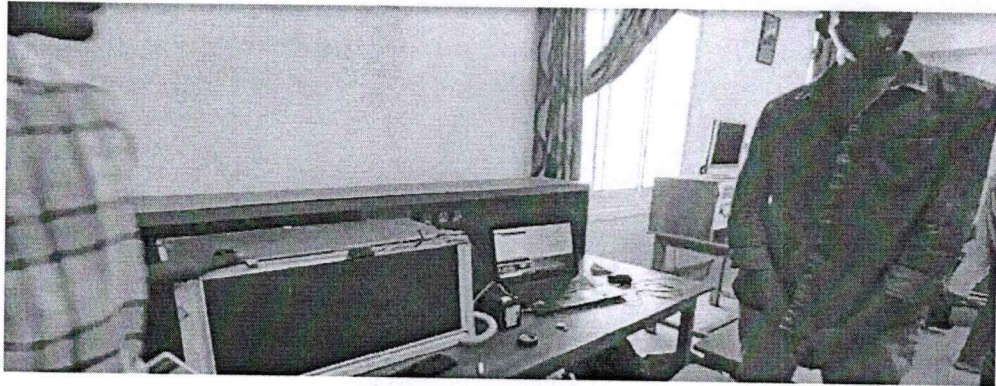
Model Name: Eco friendly Smart Bike



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



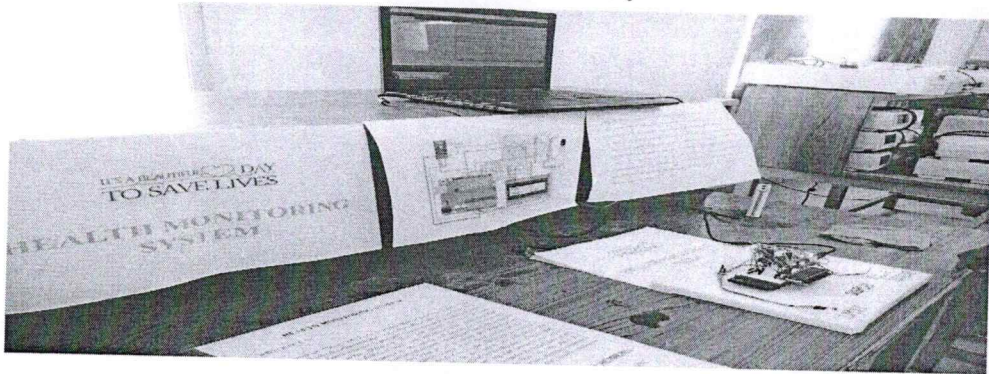
Model Name: Unmanned Ground Vehicle with object detection and live video transmission



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**

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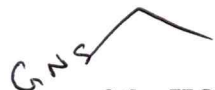
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Format for the Comprehensive Report of the Engineers' day Model Exhibition
Academic Year: 2019-20

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)


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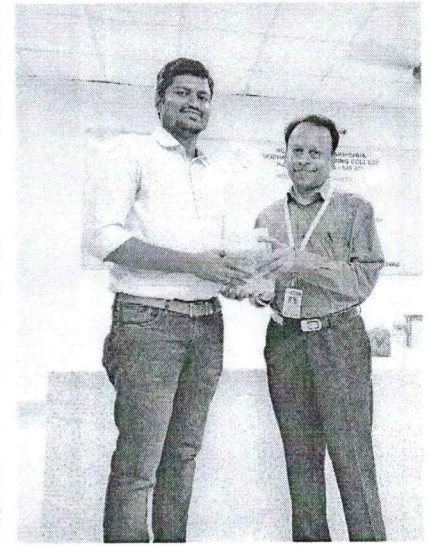
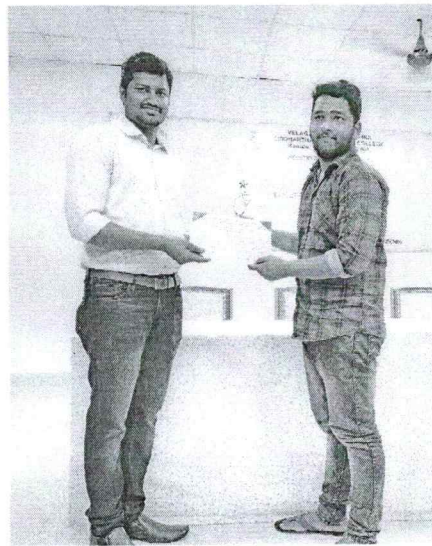
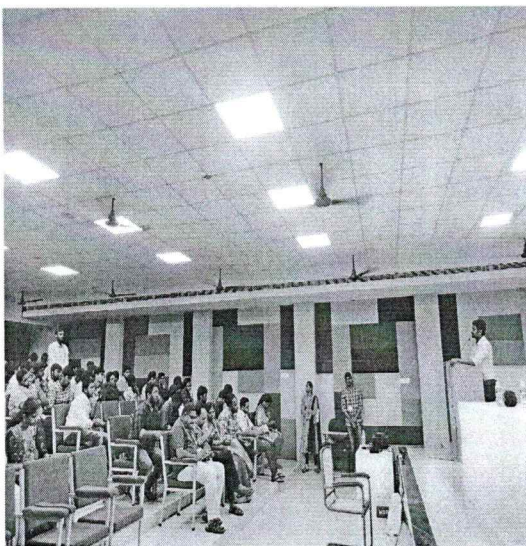
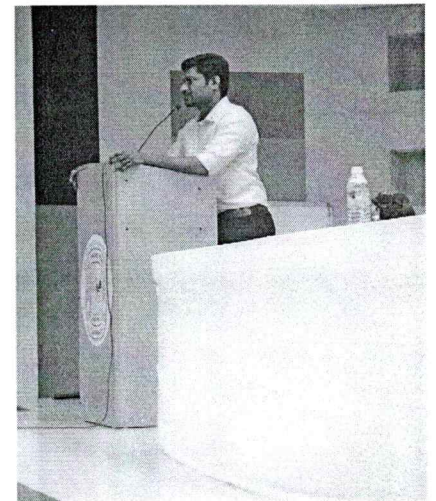
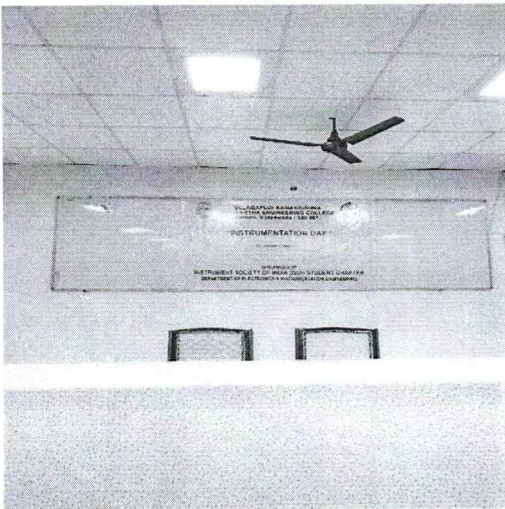
V.R. Siddhartha Engineering College

Department of Electronics & Instrumentation Engineering

Report on Instrumentation Day

The ISOI student chapter Department of EIE conducted a motivational talk by Sri P.Jitendra Kumar, Entellus IoT Labs Pvt. Ltd on the eve of Instrumentation day celebrations on 10th Jan. 2020. The objective of this program was to bring some kind of awareness about the opportunities in instrumentation. He also shared his experiences about how he transformed from a student life to Entrepreneur. He also discussed about the reasons behind success in anybody's life among the students. A thought provoking discussion was carried out among students.

There was a prize distribution ceremony by the invited guest for the winners on that day for various technical events organized by ISOI student chapter, Innovation day. Also appreciation awards were distributed to those students who excelled in sports, Extra and co-curricular activities.



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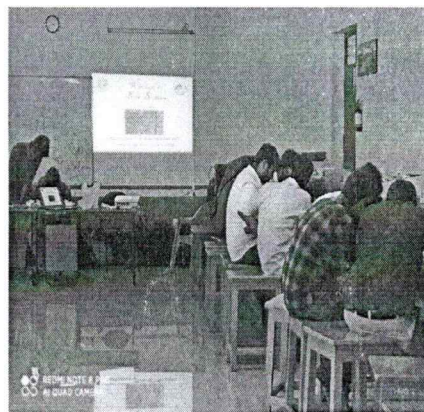
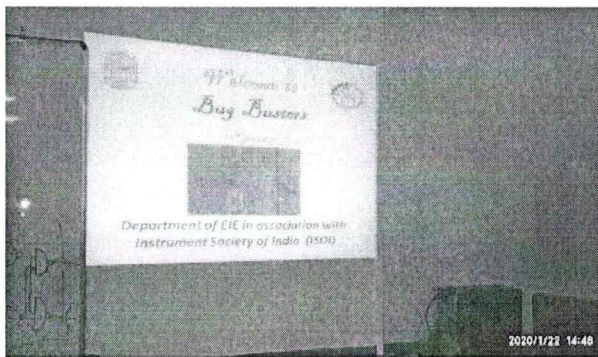
Department of Electronics & Instrumentation Engineering

Report on Bug Busters

Instrument Society of India (ISOI) Student chapter organized a technical event Bug Busters for the students of 2/4 B TECH (EIE) to bring awareness among the student about the student chapter. The outcome of the Circuitrix is to apply the brains in concepts of electronics and make use of this platform to bring out the electronic nerd within students.

This event was conducted on 22nd January 2020. A total of 19 teams (each team 3 participants) in circuitrix event attended for prelims.6 teams have been qualified for round 2 and finally 4 teams have been qualified for round-3.

K.Sabarish ,K.Karthik, Y.Vijay are the winners and R.Praneeth, A.D.Prasad and M.D. Venkatesh are the runners for Circuitrix.Dr. G N Swamy, head of the department distributed the mementos and certificates to the prize winners.



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