Geethanjali College of Engineering & Technology

(An UGC Autonomous Institution)

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Department of Electronics and Communication Engineering

Date: 20/07/2021

Report on TECHEXPO '21

- No. of Team Registrations: 25
- No. of Teams Participated: 15
- Target Students: B.Tech Students
- Registration Fee: Nil

Agenda: To Explore Innovative Projects Developed in Electronics by Students.

About Event:

TECHEXPO'21 – an online hardware project exhibition was organized by IEEE Robotics and Automation Society Student Branch Chapter, Geethanjali College of Engineering and Technology. Techexpo'21 is a project expo, which was introduced by the department of ECE in the year 2014 where students were given an opportunity to showcase their talents in the form of projects.

Prof B.Hari Kumar – Dean of Electrical and Communication Engineering, Dr. P.Vijai Bhasker -Dean Academics, Dr. S.Suryanarayana, HOD ECE department, Dr.P.Srihari IEEE RAS SBC Advisor, Ms.S.Jyothirmaye SB Counselor, Faculty Advisors of Various IEEE SB chapters, faculty and students were a part of the inaugural session held from 09:30 AM to 09:50 AM.

The Online Expo went on from 09:50 AM onwards till 02:50 PM where the students exhibited their working project models with Presentations.

Dr. B Leela Ram Prakash, professor ECE dept. and Dr. R V. Durga Associate professor of ECE department were the judges for the project expo. They appreciated the initiative and the efforts of students.

A total of 25 teams have registered for the competition from various reputed colleges within the state and also from the southern states of India.

Team	Team Leader Name	College	Project Title
1	KATTA VINAY REDDY	VIGNAN INSTITUTE OF TECHNOLOGY AND SCIENCE	HHO FUEL GENERATOR
2	SWETHA.S	BANNARI AMMAN INSTITUTIE OF TECHNOLOGY	ENERGY RESPONSES COMMUNICATION DURING PANDEMIC MANAGEMENT
3	GURUAKASH S.M	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	ELEPHANT REPELLENT SYSTEM
4	LOKESH VEERAMALLA	VIGNAN INSTUITE OF SCIENCE AND TECHNOLOGY	SOLIDER HEALTH AND MONTORING SYSTEM
5	DEEPA E	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	IOT BASED SMART BATTERY STATION USING WIRELESS POWER TRANSFER TECHNOLOGY
6	SWETHA NUNEMUNTHALA	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY	SMART GLOVES FOR VISUALLY CHALLENGED USING NEAR FIELD COMMUNICATION(NFC) TECHNOLOGY
7	V SAI SUDHEERA	HOLY MARY INSTUTION OF TECHNOLOGY AND SCIENCE	SUN TRACKING SOLAR PANNEL
8	GOKUL S	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	AI BASED PORTABLE MEDICAL KIT

9	JAISHRI C	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	ROAD SAFETY USING IOT
10	RISHIKESHAN J	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	VOICE BASED INTELLIGENT VIRTUAL ASSISTANCE FOR WINDOWS
11	POORNIKHA S	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	AUTOMATIC IRRIGATION SYSTEM BASED ON WEATHER CONDITIONS
12	RITHANYA P	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	COVID 19 VACCINE COLD STORAGE BOX
13	KAVISRI C.M	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	CROP GUIDANCE AND FARMERS FRIEND
14	TULASI S S	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	EMPLOYEE TIME MANAGER
15	PRERANA KOMRAVELLY	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY	HOSPITAL MANAGEMENT SYSTEM
16	GUNENDRA PRASANTH S	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	SMART TRAFFIC LIGHT SYSTEM
17	KANDULA VINEELA	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY	AUTOMATED FIRE FIGHTING ROBOT
18	RUBANSRI U	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	FACIAL EMOTION RECOGNITION USING CONVOLUTIONAL NEURAL NETWORKS (FERC)
19	MANOJKUMAR.P	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	AUTOMATIC SOLAR TRACKERS
20	RANJITH	ANURAG GROUP OF INSTITUTIONS	MICROCHIP IMPLANT
21	N.SANDHYA	ANURAG GROUP OF INSTITUTIONS	SKIN LESSION CLASSIFICATION USING CNN
22	P.DEVI PRIYA	SRI SAIRAM ENGINEERING COLLEGE	COMPUTER AIDED DETECTION AND CONTROL OF UNHEALTHY VEGETATION WITH RECOMMENDATION
23	VIMALRAJ S	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	IOT ENABLED ENVIRONMENTAL AIR POLLUTION MONITORING AND REROUTING SYSTEM

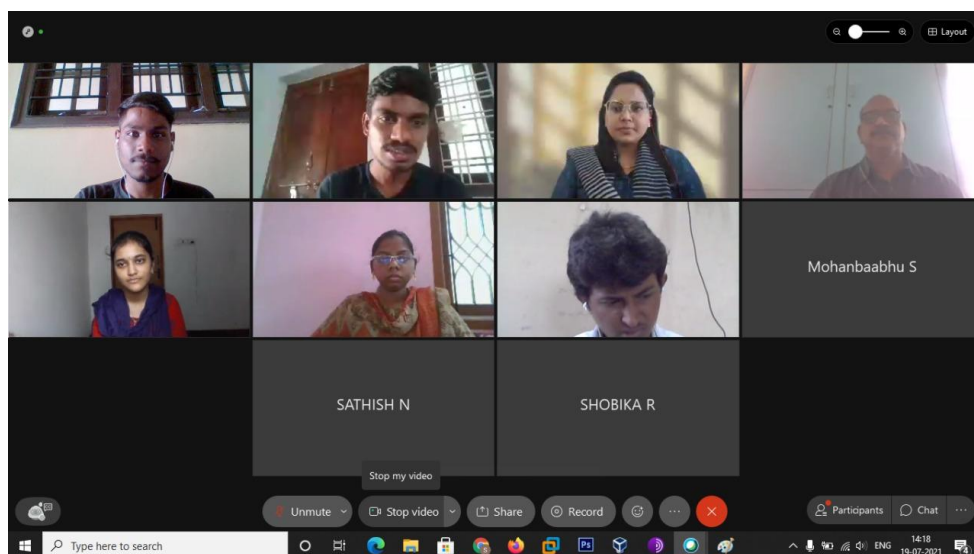| 24	SHRAVANI KANCHARLA N	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY IS	RFID BASED REAL TIME HOME APPLIANCES CONTROL USING BLYNK APPLICATION
25	MANIKANDAN G	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	AUTOMATIC ROOM VENTILATION

List of Colleges participated:

1. VIGNAN INSTITUTE OF TECHNOLOGY AND SCIENCE, TELANGANA
2. BANNARI AMMAN INSTITUTE OF TECHNOLOGY, TAMILNADU
3. GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY, TELANGANA
4. HOLY MARY INSTUTION OF TECHNOLOGY AND SCIENCE,
5. ANURAG GROUP OF INSTITUTIONS, TELANGANA
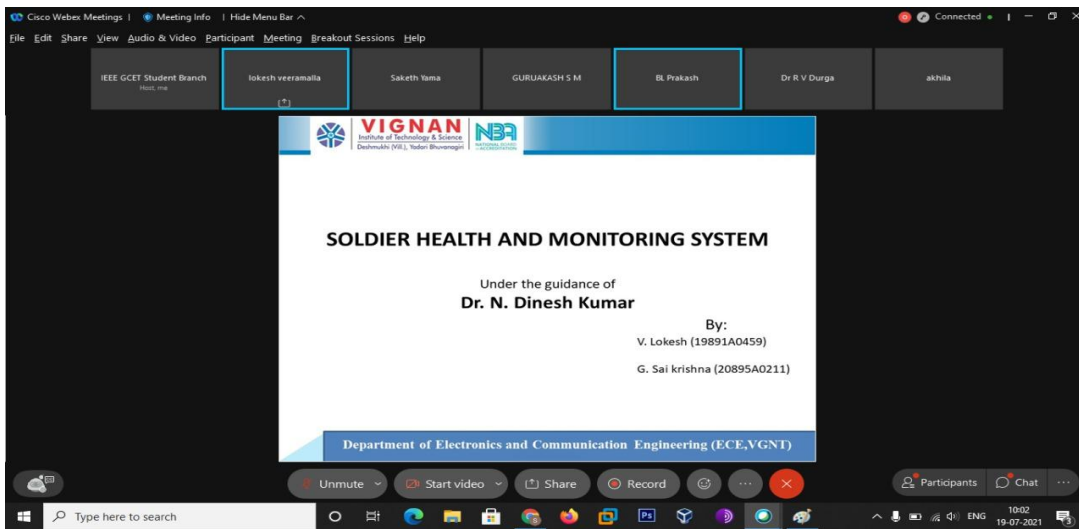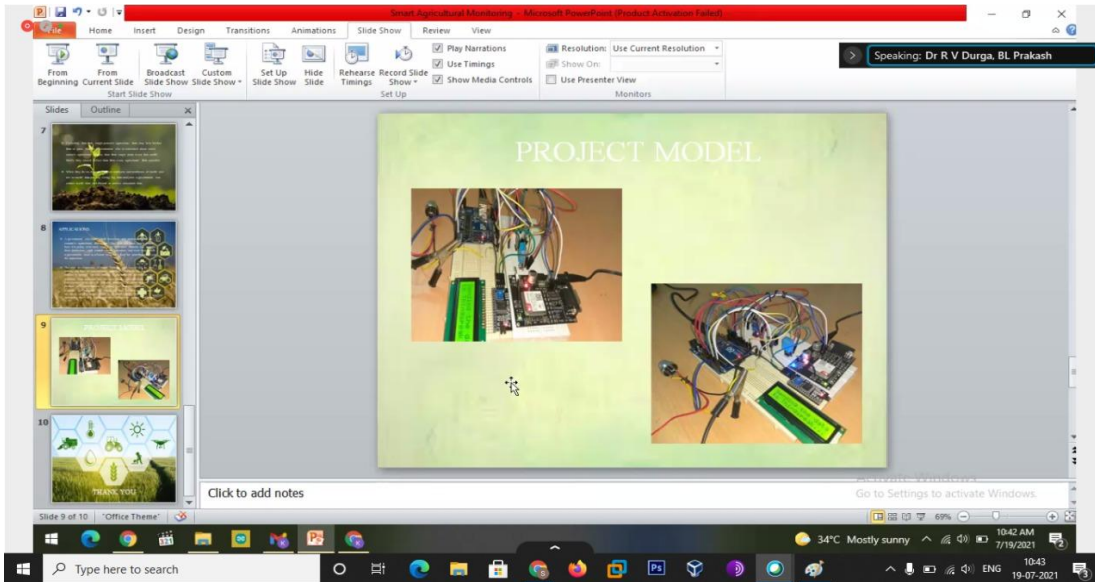6. SRI SAIRAM ENGINEERING COLLEGE, CHENNAI

The Winners of TECHEXPO'21- an Online Hardware Project Exhibition Contest are :

1) Shravani Kancharla N and Team from Geethanjali College of Engineering and Technology , Telangana

2) P. Devi Priya and Team from Sri Sairam Engineering College, Tamilnadu

3)Swetha Nunemunthala and Team from Geethanjali College of Engineering and Technology, Telangana

Event Coordinators:
1. G. Nitish (17R11A04L3: ECE-4E)
2. Y. Saketh Kumar (18R11A0446: ECE-3A)
3. G. Akhila(18R11A0463)
04.V Sree Harsha(19R11A04P7)

S.Jyothirmaye

IEEE SB Branch Counselor, GCET

Dr.P.Srihari

Advisor, IEEE RAS SBC GCET