



## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

### **KINGS SCIENCE EXPO – 2020**

#### **Report**

Kings Science Expo-2020, an online Project Exposition is planned on 05.06.2020 with an exceptional idea to showcase the research talents, innovativeness, and creativity of all final year Engineering students. The main aim for conducting such a program is to enhance the knowledge of students and motivate them to compete in the global competitive engineering field. The Expo acted as a forum to bring together students of various Engineering colleges to discuss innovative ideas and diverse topics on next generation technologies. Students are encouraged to develop prototype projects on recent societal issues with better efficiency and low-cost.

#### **Objectives of the Expo:**

- To provide a forum for sharing new design and alternative technologies.
- To promote affable interactive environment leading to exchange of new research ideas.

#### **Topics of interest:**

- (i) Renewable Energy-Green Energy
- (ii) Bio-medical Instrumentation
- (iii) Power Electronics
- (iv) Power Systems
- (v) Modern Power Systems
- (vi) Smart Grids
- (vii) VLSI in Power Electronics/Systems
- (viii) Embedded Systems
- (ix) Electrical Machines and Drives
- (x) Control Systems and Instrumentation

The Expo for Electrical and Electronics Engineering is scheduled at 10.30 A.M through online mode using Cisco Webex platform. Totally five batches registered for the Expo out of which one is

external and the remaining four batches are internal. Each batch is provided 15 minutes for their project demonstration.

The details of participants are as follows:

<b>Batch ID</b>	<b>Participants</b>	<b>College</b>	<b>Title of the Projects</b>
1.	M.Jai Sai Ram J. Mohamed Kalifa T. Veeramani	Kings College of Engineering	Automatic Fish Feeder Using An Intelligent Feeding Controller
2.	A.Praveen kumar S.Parthiban P.Aravindan	Kings College of Engineering	Implementation of battery monitoring system using IoT for electric vehicle applications
3.	R.Pavithra M.Rasika R.SakthiSridevi	Kings College of Engineering	Prediction of Fault and Protection of Single Phase motor
4.	T.Mutharasan A.Pavithran R.Raguraman	Kings College of Engineering	Implementation of GSM based Control and Monitoring of Substation
5.	S.Vimalraj V.Sathish S.Arul selvan M.Kabilan	Anjalai Ammal Mahalingam Engineering college	A Novel approach for EFOP: Analysis and Control of Electrolytic-less LED driver

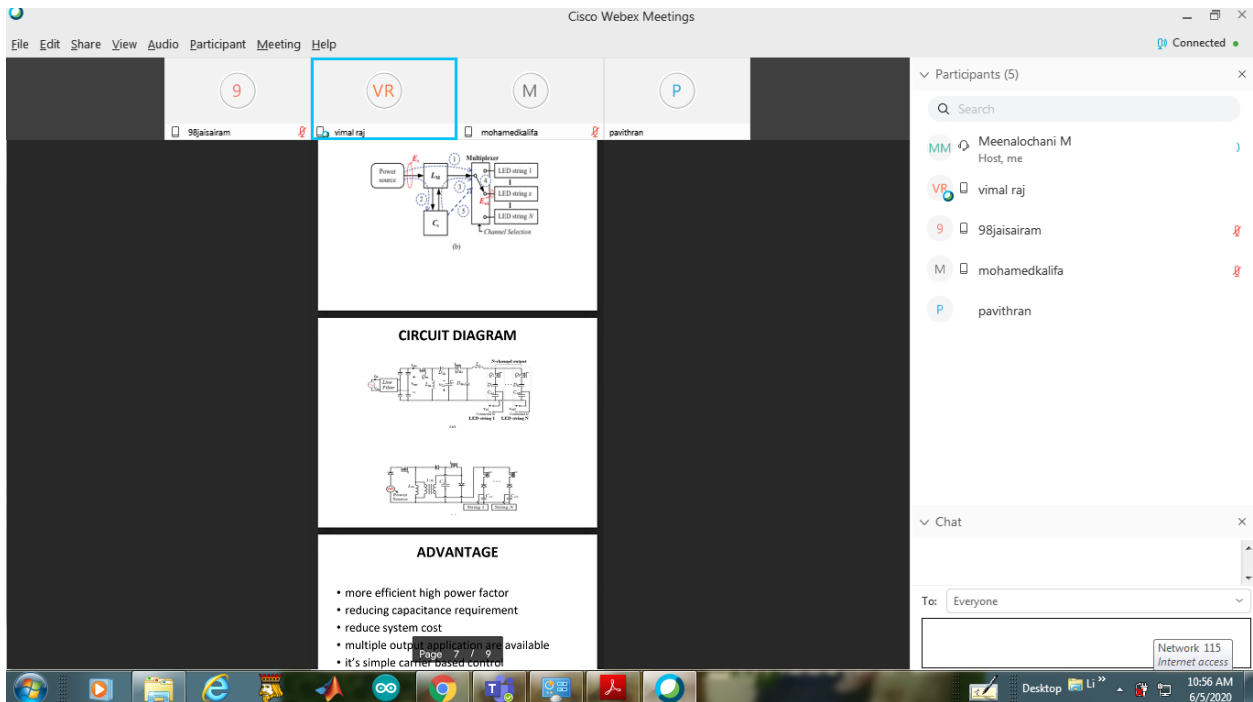
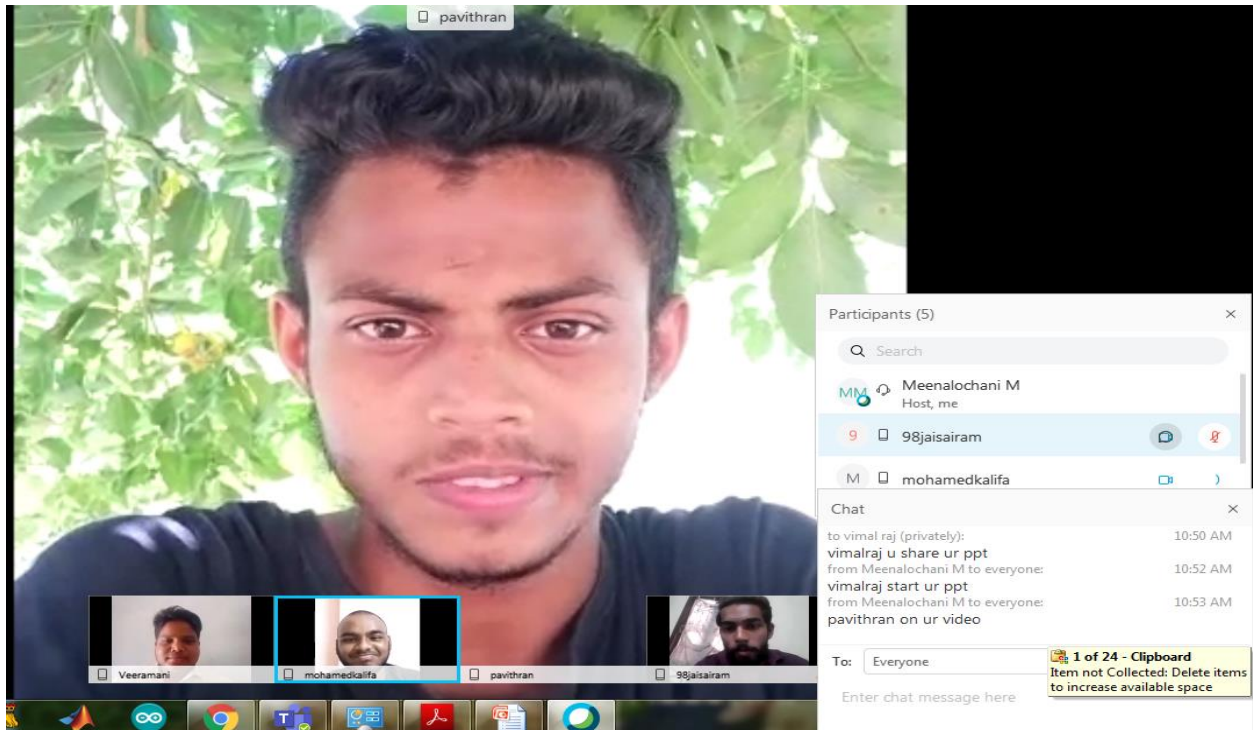
The participants are judged based on the following criteria:

- Design (Compactness and the efficiency of work done)/Model of the project
- Innovation/Novelty
- Relevance with practical need
- Presentation skills
- Clarification of queries

### **Outcomes of the Project Expo**

- Develop professionals having good skills, self-learning ability and confidence to support and contribute to the growth of relevant industries.
- This provides opportunity for the students to demonstrate their learning experience.

# Snapshots



DRC Member

HoD

Principal