



M V Chauhan All India Student Paper Contest 2019 was organized under the aegis of Student Activities of IEEE India Council. The contest called for student research papers from Students of Undergraduate and Post graduate level. The contest was held along the lines of the IEEE INDICON 2019, a flagship conference of IEEE India Council as a special track. The conference provided an opportunity for young minds to come together and discuss the latest developments and future directions in the areas of Engineering and Technology.

The call had received an overwhelming responses. A total 58 papers were received. The level of review process used was the same as that of other technical tracks. A total of 13 papers were selected for oral presentation. 10 Out of 13 authors could register for the conference and present their papers during Indicon 2019. The track was held on 13 the December 2019.

### **Winners of the M V Chauhan Student Paper Contest**

#### **Undergraduate Category**

- **Paper ID : 1599**

Parallel Operation of Battery Chargers in Small Satellite Electrical Power Systems;

Mallikarjun Kompella, R. Sudharshan Kaarthik, H. Priyadarshnam, Harsha Simha M.S.

#### **Post graduate Category**

This award was shared between two paper IDs.

- **Paper ID 1654**

A Cellular Automata-Based Healthcare Data Encryption Technique for IoT Networks

Ritesh Kumar, Pritam Khan, Sudhir Kumar

- **Paper ID 1660**

A Multistage RSSI-based Scheme for Node Compromise Detection in IoT Networks

Shubham Saxena

**M. V. CHAUHAN****ALL INDIA STUDENT PAPER CONTEST**

The proceedings of the track were coordinated by Dr. Rajashree Jain, Vice Chair, Student Activities, IEEE India Council, under the guidance of Dr. S N Singh, Chair, IEEE Council, Dr. Maniklal Das, General Chair, Indicon 2019, Dr. Anil Roy, Dr. R B Jadeja and Naran, Technical Program Committee, INDICON 2019.

The awards were announced and Cash Prize of Rs. 12000/ was handed over to the winner during Annual General Meeting of IEEE India Council on 14<sup>th</sup> December 2019.

List of paper IDs and details are given below.

Sl. No.	Paper ID	Title
1	1558	A Novel Wireless Sensor Network Based Rescue Management System Khushbu Pahwa, Ashutosh Bharti, Kiran Sahu
2	1599	Parallel Operation of Battery Chargers in Small Satellite Electrical Power Systems; Mallikarjun Kompella, R. Sudharshan Kaarthik, H. Priyadarshnam, Harsha Simha M.S.
3	1622	<i>Random k-Labelsets Method for Human Activity Recognition with Multi-Sensor Data in Smart Home</i> Manan Jethanandani, Thinagaran Perumal, Abhishek Sharma
4	1648	Intelligent Traffic Routing Based on Real-Time Congestion Analysis Argha Sen, Monsij Biswal, Shreyan Datta
5	1654	A Cellular Automata-Based Healthcare Data Encryption Technique for IoT Networks Ritesh Kumar, Pritam Khan, Sudhir Kumar
6	1655	A Riesz Transform Approach for Depth Estimation Anirudh Bindiganavale Harish
7	1656	Effective Distributed Representation of Code-Mixed Text Aditya Malte, Sheetal Sonawane
8	1613	A Multistage RSSI-Based Scheme for Node Compromise Detection in IoT Networks Shubham Saxena, Ankur Pandey, Sudhir
9	1660	A Multistage RSSI-based Scheme for Node Compromise Detection in IoT Networks Shubham Saxena
10	1551	Implementation of Fault Tolerant Features in the In-House Developed 1553B Controller Core Omkeshwar Shukla, Manoj Jha, Rakesh Jha

Prepared by: Dr. Rajashree Jain, Vice Chair, Student Activities, IEEE India Council.