POORNIMA
COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

A REPORT ON 2-DAY 3rd NATIONAL LEVEL STUDENT TECHNICAL PAPER & MODEL CONTEST

♦ **TITLE AND DURATION:** 3rd National Level Student Technical Paper & Model Contest, December 12-13, 2020.
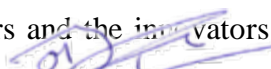
♦ **PUBLISHER(S):** STM Journals, IGI Global

♦ **THEMES / TRACKS:**

- **Track 1:** Computer Engineering / Information Technology

- **Track 2:** Electronics & Communication Engineering.

- **Track 3:** Electrical Engineering.

- **Track 4:** Mechanical Engineering

- **Track 5**: Civil Engineering

♦ **OBJECTIVES:**

- To provide a platform to researchers from industry and academia, scientists, and the students of undergraduate, postgraduate, and doctoral programs on current thrust areas of various disciplines of Engineering and Technology

- To bring together students and researchers from industry and academia to exchange their innovative ideas.

- To promote networking and engagement of students, researchers, academicians and industry persons.

- To provide a competitive environment among the researchers and the innovators and recognize their best contributions.

Dr. Mahesh Bundele
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, JAIPUR

♦ **EXPECTED OUTCOMES:**

The conference will strengthen contacts and foster cooperation among accelerator-based science and application researchers, accelerator manufacturers, facility operators and the coordinators of academic programs in the accelerator sciences, leading to a comprehensive review of the status of accelerator-based research and applications. The conference is expected to generate ideas that will form the basis of future programs in the area of research and applications using accelerator technologies.

♦ **BROCHURE / POSTER / LEAFLET / FLYER:**

- **RESPONSE (SUBMISSION / ACCEPTANCE / PRESENTATION):**

In Technical Paper and Model Contests -2020-21, total 250 papers and model are registered for participation in papers and projects contests. All the registered papers and projects are accepted for the contest. Bachelor, Master & Doctoral scholars and professional attended all the sessions including registered participants and local attendees.

- **SUMMARY / CATEGORIZATION OF PARTICIPANTS:**

Technical Paper and Model Contests -2020-21 provided a stimulating environment for researchers, scientists, engineers, educators, industrialists and students from all over the world to discuss and present their research findings in the interest of society and the nation. The Technical Paper and Model Contests covered major areas of research in Mechanical, Civil Applied Science, Electrical, Electronics and Computer Engineering. Technical sponsor of the Technical Paper and Model Contests -2020-21 was IEEE Delhi Section and supported by IEEE Rajasthan Subsection and Technically Co-sponsored by ISLE, IGI, STM and Poornima University IEEE Student Branch Chapters.

In Technical Paper and Model Contests -2022, Conference management toolkit system was utilized to cater the enthusiastic response making it to around 250 received manuscripts and projects across countries. All the registered papers and projects are accepted for the contest. Bachelor, Master & Doctoral scholars and professional attended all the sessions including registered participants and local attendees.

- **PROGRAM OUTLINE:**

Programme Outline	
Saturday, Day 1: 12th December, 2020	
09:00am – 10.00am	Welcome Reception and Registration Opens
10:00am – 11.00am	**Inaugural Function** ● **Prof. (Dr.) R.A. Gupta ,** Hon'ble Vice Chancellor , RTU Kota **(Chief Guest)** ● **Dr. Mahesh Bundele,** Director &Principal,PCE ● **Mr. Pankaj Dhemla ,**Vice Principal,PCE ● **Dr. Rekha Nair,** Professor & Dean I Year, PCE- **Convener Technovation 2020** ● **Dr. Surendra Kumar Yadav,** HOD,CSE, PCE- **Track Chair CSE** ● **Dr. Garima Mathur,** HOD-EC,PCE—**Track Chair ECE** ● **Dr. Virendra Sangtani,**HOD-EE,PCE—**Track Chair EE** ● **Dr. Narayan Lal Jain,** HOD-ME,PCE—**Track Chair ME** ● **Mr. BalwanSheshma, HOD-**CIV,PCE—**Track Chair CE** ● **Dr. Himani Goyal, Convener, Technovation 2020**
11:0am–11.30am	**Tea / Coffee Break**
11:30 am –2.00 pm	**Parallel Sessions**

	Track I (CS/IT)	Track II (ECE &EE)	Track III(ME & Civil)
	Session 1 Paper Presentation Competition	Session 1 Paper Presentation Competition	Session 1 Paper Presentation Competition
2.00 pm- 2.30 pm	Lunch Break		
	Parallel Sessions		
	Track I (CS/IT)	Track II (ECE &EE)	Track III(ME & Civil)
2.30 pm – 5.00 pm	Session 2 Paper Presentation Competition	Session 2 Paper Presentation Competition	Session 2 Paper Presentation Competition
Sunday, DAY 2: 13th December, 2020			
	Parallel Sessions		
10:00 am – 12:30pm	Track I (CS/IT)	Track II (ECE &EE)	Track III(ME & Civil)
	Session 3 Model Competition	Session 3 Model Competition	Session 3 Model Competition
12:30 pm– 1:00pm	Lunch Break		
	Parallel Sessions		
1:00 pm – 3:30 pm	Track I (CS/IT)	Track II (ECE &EE)	Track III(ME & Civil)
	Session 4 Paper Presentation Competition	Session 4 Paper Presentation Competition	Session 4 Paper Presentation Competition
3:30 pm – 4:00 pm	Tea / Coffee Break		
04:00 pm-05:00 pm	Valedictory Session & Announcement of Prize		

♦ **INAUGURAL SESSION:**

S.No	Activity	Duration	Time
1.	Reporting and Registration of Delegates –On Zoom	50 Min	09:00 am- 09:50 am
2.	Gathering of audience in the hall	10 Min	09.50 am- 09:58 am
3.	**Arrival of Guests &Group Photograph of Dignitaries - Virtual**	02 Min	09.58 am- 10.00 am
4.	Welcome of Dignitaries and Introduction of Event by-Anchors **Prof. (Dr.) R.A. Gupta** , Hon'ble Vice Chancellor , RTU Kota **(ChiefGuest)**	03 Min	10:00 am- 10:03am

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	Dr. Mahesh Bundele, Director &Principal,PCE **Mr. Pankaj Dhemla**, Vice Principal,PCE **Dr. Rekha Nair**, Professor & Dean I Year, PCE- Convener **Technovation 2020** **Dr. Surendra Kumar Yadav**, HOD, CSE, PCE- Track Chair CSE **Dr. Garima Mathur**, HOD, EC, PCE—Track Chair ECE **Dr. VirendraSangtani**,HOD,EE,PCE—Track Chair EE **Dr. Narayan Lal Jain**, HOD, ME, PCE—Track Chair ME **Mr. BalwanSheshma**, HOD, CIV, PCE—Track Chair CE **Dr. Himani Goyal**, Convener, **Technovation 2020**		
5.	**Felicitation of Chief Guest Prof. (Dr.) R.A. Gupta**, Hon'ble Vice Chancellor, RTU Kota by **Dr. Mahesh Bundele**, Director &Principal,PCE	02 Min	10:03 am-10:05 am
6.	Welcome and Introduction of Technovation 2020 by **Dr. Rekha Nair**	10 Min	10.05 am-10.15 am
7.	Welcome Address by **Dr. Mahesh Bundele**, Director & Principal, Poornima College of Engineering, Jaipur	10 Min	10.15 am-10.25 am
8.	Introduction of Chief Guest & Inaugural Address by the Chief Guest **Prof. (Dr.) R.A. Gupta,** Hon'ble Vice Chancellor, RTU Kota	15 Min	10:25 am-10:40 am
9.	Vote of Thanks by Dr. Himani Goyal, Professor,EE, PCE	05 Min	10:40 am-10:45 am
10.	Group Photograph –Virtual	05 Min	10:45 am-10:50 am

⬥ **DETAILS OF RESOURCE PERSONS/ ORGANIZING COMMITTEES:**

Chief Patron:

- Dr. S.M. Seth, Chairman (Emeritus), Poornima Group, Jaipur, Former Director, National Institute of Hydrology, Roorkee, India.

Patrons:

- Sh. Shashikant Singhi, Chairman, Poornima Group, Jaipur, India.

Advisors:

- Sh. M K M Shah, Director General, Poornima Group, Jaipur, India.
- Sh. Hari Singh Shekhawat,Director(Infra),Poornima Group, Jaipur.
- Ar. Rahul Singhi,Director, Poornima Group, Jaipur.

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General Chairs:

- Dr. Mahesh Bundele, Principal and Director**,** Poornima College of Engineering, Jaipur

Organizing Chairs:

- **Sh. Pankaj Dhemla**, Vice Principal, Poornima College of Engineering, Jaipur.

Program Convener:

- Dr. Rekha Nair, Professor & Dean, Poornima College of Engineering, Jaipur.
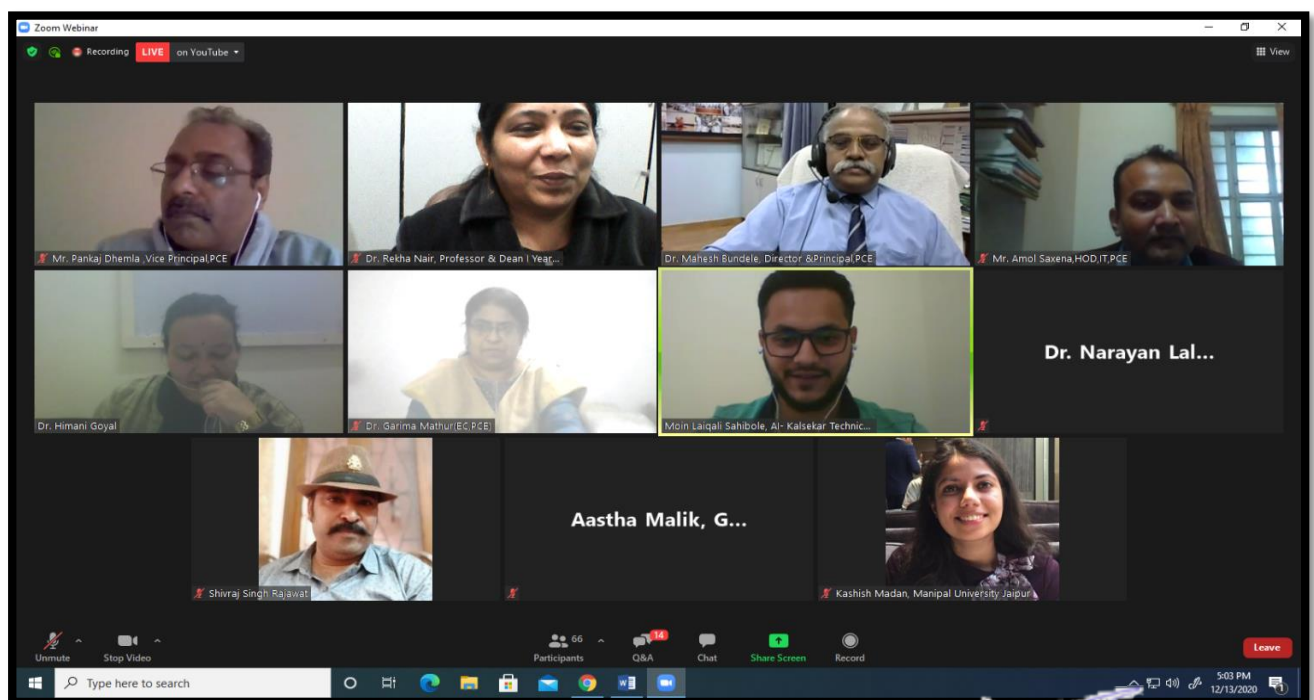
Advisory Committee:

- Prof Armin ABERLE, CEO, SERIS, National College of Engineering of Singapore
- Prof. Thomas Zimmer, IMS Laboratory, College of Engineering of Bordeaux, France
- Dr. Sebastien Fregonese, France
- Dr. Shuliang Wang, Beijing Institute of Technology, China
- Dr. George Tsaramirsis , MIEEE , UK
- Dr. Nidaa A. Abbas , College of Engineering of Babylon, MIEEE, IRAQ
- Dr. R. C. Bansal, Queensland College of Engineering, Australia
- Dr. RaedAbd-Alhameed, College of Engineering of Bradford, UK
- Dr. Sattar B. Sadkhan, , SMIEEE , IRAQ, Chairman
- Dr. Sedat Akleylek, Ondokuz Mayis College of Engineering, Turkey
- Dr. Sureswaran Ramadass, USM College of Engineering, Malaysia
- Dr. William Puech, College of Engineering Montpellier, France
- Dr. Youcef Soufi Mail, College of Engineering of Tabessa, Algeria
- Dr. Wan Young Chung, Pukyong National College of Engineering, Busan, South Korea
- Dr. Youcef Soufi, College of Engineering of Tbessa, Algeria
- Prof. Li Zhiwu, HRCSHP, China
- Dr. Ali Al-Sherbaz, College of Engineering of Northampton, UK
- Dr. Ali Al-Sherbaz, the College of Engineering of Northampton, UK
- Dr. Atheer Matroud, College of Engineering of Otago, New Zealand
- Dr. Wan-Young Chung, Pukyong National College of Engineering, Busan
- Dr. Aleksandra Mileva, Goce Delcev College of Engineering, Faculty of Computer Science
- Dr. Carlos M. Travieso-Gonzalez, College of Engineering of Las Palmas de Gran Canaria,SPAIN.
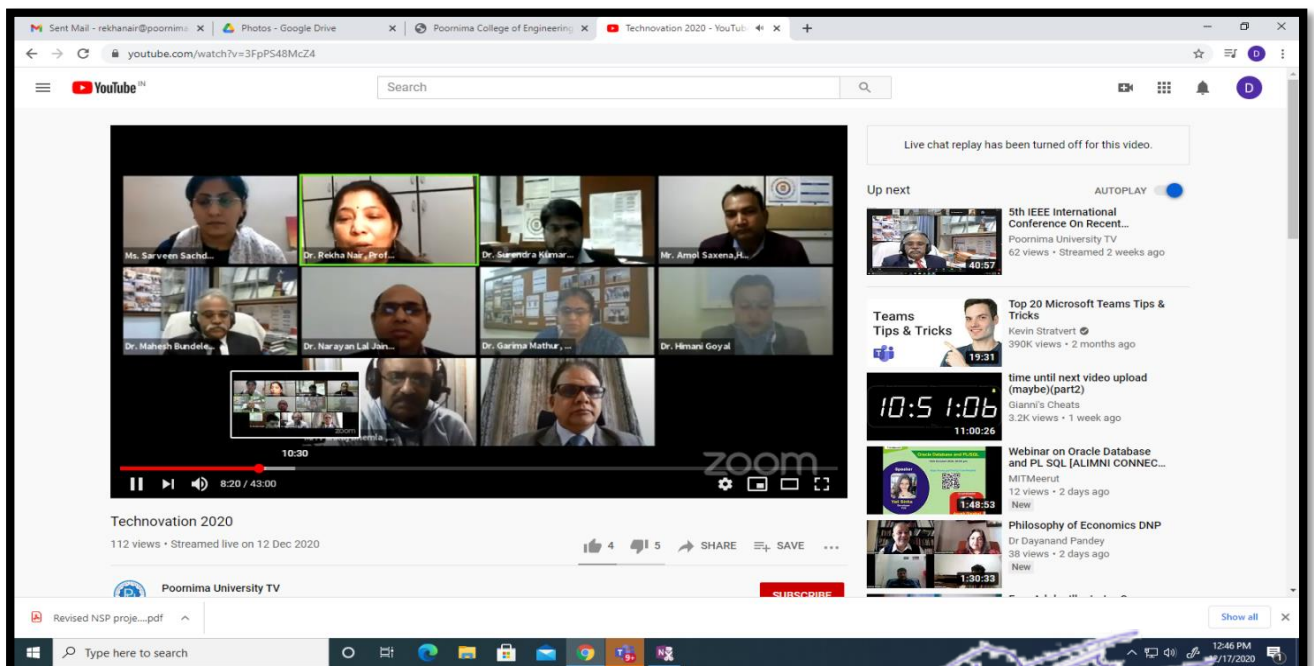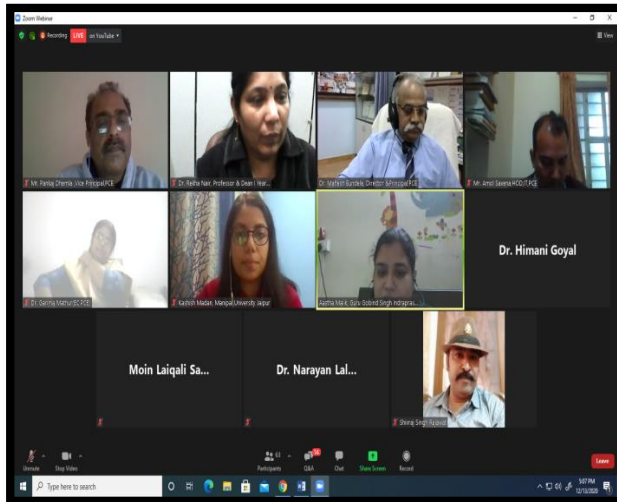
- Dr. Anil Tiwari, Professor & Head, EE, IIT, Jodhpur, Secretary, IEEE Rajasthan Subsection, India
- Dr. M. C. Govil, Director, NIT, Sikkim, Jaipur
- Mr. Rahul Singhi, Director, Poornima College of Engineering, Jaipur
- Dr. OPN Calla, Director, ICRS, Chairperson, Execom, IEEE Rajasthan sub-section, Jodhpur, India
- Dr. R. A. Gupta, MNIT, Jaipur, India
- Dr. S. S. Limaye, Principal, ZIET, Nagpur, India
- Dr. S. Sancheti, President, Manipal College of Engineering, Jaipur, India
- Dr. Vineet Sahula, Malaviya National Institute of Technology, Jaipur, India
- Dr. Vishnu Srivastava, Chief Scientist & Head, AcSIR, Pilani, Vice Chairperson, Execom, IEEE Rajasthan Subsection, India
- Dr. B. V. Babu, Vice Chancellor, Galgotias College of Engineering, Greater Noida, India
- Dr. Rajneesh Talwar, Principal, Chandigarh Group of Colleges, Technical Campus, Jhanjeri, Mohali
- Prof. Kirti Mahajan, Director, Bharati Vidyapeeth College of Engineering, Pune
- Prof. P. Chakrabarti, Director, MNNIT, Allahabad, UP
- Dr. C. T. Bhunia, Director, NIT, Arunachal Pradesh, India
- Dr. A.A. Ghatol, Ex-VC, BAT College of Engineering, Lonere, India
- Dr. B. R. Singh, IIIT, Allahabad, India
- Dr. Ghanshyam Singh, MNIT, Jaipur, India
- Dr. J. P. Modak, Emeritus, PCE, Nagpur, India
- Prof. Narendra Ahuja, IIIT Hyderabad.
- Prof. Raja Kumar, Director, IIT Bhubaneshwar
- Prof. Rajeev Sangal, Director, IIT, BHU
- Prof. Chandrasekhar, Director, CEERI, Pilani
- Dr. Rahul Banerjee, Director, LNMIIT, Jaipur
- Prof. (Dr.) Subrata Mukhopadhyay, Chair STDCom (T&P Act), IEEE Delhi Section
- Prof. Bhim Singh, IIT Delhi
- Dr. Alka Sharma, Vice Principal, University Maharani's College, Jaipur
- Dr. Rachana Garg, Chair IEEE PES Chapter, IEEE Delhi Section
- Prof. K. Subramanian, Chair, IEEE Delhi Section
- Dr. R. S. Gupta, Chair, IEEE EDS Chapter, Delhi Section
- Dr. Shabana Urooj, IEEE Delhi Section

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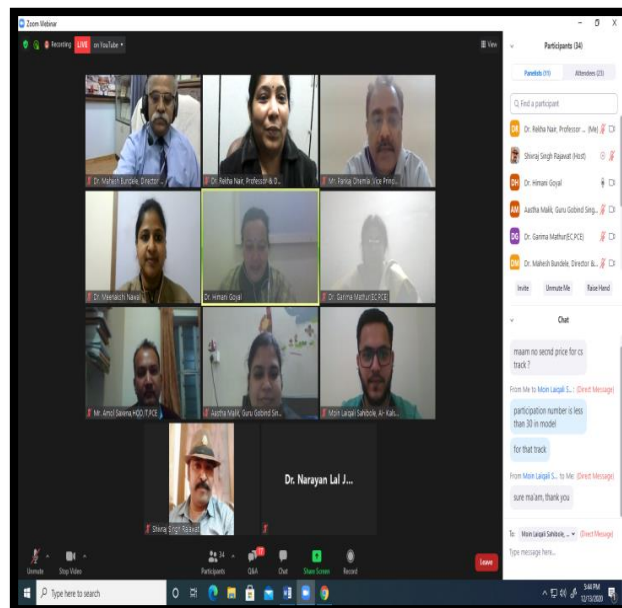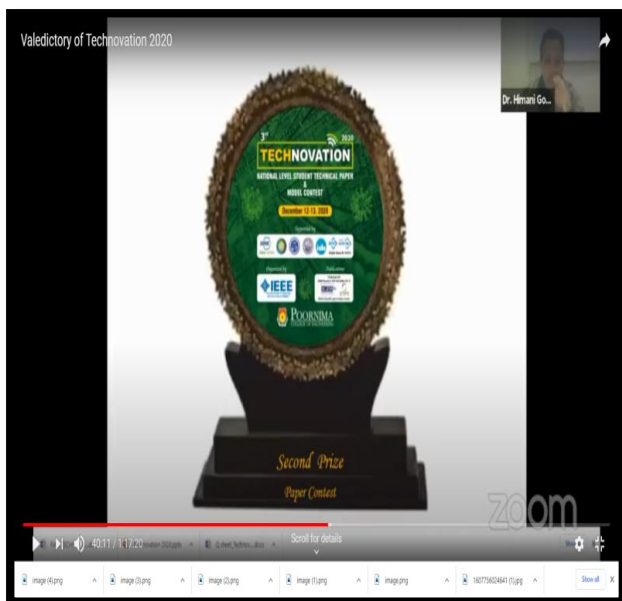ISI-6, RIICO Institutional Area
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- Dr. Rajveer S Shekhawat, Director SC&IT, MU, Jaipur
- Prof. Mridula Gupta, Chair, IEEE WIE, Delhi Section
- Dr. A. Murali M Rao, Chair IEEE CS Chapter, Delhi Section

GLIMPSES OF PRESENTATIONS:

LIST OF THE PARTICIPANTS:

Track-1: Computer Engineering / Information Technology

S. No.	Paper ID	Author(s)	Paper Title
1	CS_P_2	Prof. Himanshu Monga	Threat Minimization by Design and Deployment of Secured Networking Model
2	CS_P_3	R Ramya, B Naveen Kumar and G Pavithra	Plant Leaf Disease Detection with Classification using Machine Learning
3	CS_P_10	Anushka Sharma and Abhishek Singh	A review on Paper Battery
4	CS_P_14	Punita P and Amit Doegar	Voting Classification Method For Sentiment Analysis In Data Mining
5	CS_P_15	Akanksha Bansal and Amit Kumar Jha	Safe Home System
6	CS_P_22	Aman Garg, Geetanjali Bhola and Manisha Kumari	Comparative Study of Machine Learning Techniques for an Interactive Prognosis of Five Chronic Diseases Using Risk Factor Analysis
7	CS_P_23	Kashish Madan, Tarang Goel, Ayush Goyal and Jatin Sainani	Predictive Maintenance of Computerised Numerical Control Machine using IoT and Neural Networks
8	CS_P_28	Mrinal Tyagi, Ayush Sharma and Bhuvnesh Goyal	Predictive Modelling & Analytics for Health Monitoring using a Machine Learning Approach
9	CS_P_38	Akshita Parakh and Sita Gupta	A Review on Hand Gesture Recognition Using ML

			Learning Techniques
10	CS_P_39	Mukul . and Saurabh Anand	A Review on Graphical Password Authentication for Smart Devices
11	CS_P_40	Nandini Saha and Shazia Haque	A Review On: Location Based Services
12	CS_P_41	Pradeep Kumar Suthar and Saurabh Anand	A Review on Web Services
13	CS_P_42	Pratik Chouhan and Saurabh Anand	A Review on Finger Vein Recognition
14	CS_P_44	Nishtha Agarwal and Shazia Haque	MVC Framework- A study of various Design Patterns and Applications of the framework
15	CS_P_45	Diksha Gupta and Shazia Haque	A Study on Driver Drowsiness Detections Systems through Computer Vision
16	CS_P_46	Gourav Agarwal and Shazia Haque	A Review of Face Recognition Systems based on Computer Vision
17	CS_P_48	Diksha Jangir and Sita Gupta	A Review on Analysis of E-commerce
18	CS_P_49	Diksha Kejriwal and Saurabh Anand	Speech Recognition Using Deep Learning
19	CS_P_50	Nidhi Joshi and Sita Gupta	Data Science - A Compendious Study on Statistical Analysis Methods and Visualization Techniques
20	CS_P_51	Dipanshu Goyal and Shazia Haque	Reinforcement Learning
21	CS_P_52	Ayushi Agarwal and Shazia Haque	A Review on E-Business
22	CS_P_54	Vinny Banshiwal and Amol Saxena	Helmet Detection using Convolutional Neural Network
23	CS_P_55	Sanju Solanki and Amol Saxena	Machine Learning in Healthcare
24	CS_P_56	Ayush Trivedi and Sita Gupta	Inter-Cloud Computing and Media Cloud Storage Design Considerations Along with its Security Aspects
25	CS_P_57	Roushan Verma and Dinesh Chand Gupta	Serverless computing and its implementation for IOT
26	CS_P_59	Himanshu Devrani and Saurabh Anand	A Review on Security Mechanism in Android
27	CS_P_63	Ashutosh Garg and Sita Gupta	Web Application Using NodeJS and Angular JS
28	CS_P_64	Nikita Jain, Reena Badesra, Jayati Soni and Sudhanshu Kumar	A Road Map To How To Enhance the Security Of Cloud Computing Services
29	CS_P_65	Rishi Goyal, Ridhvi Kulshrestha and Parul Khandelwal	Big Data Analysis Using Hadoop : A Survey

30	CS_P_67	Ridhvi Kulshrestha, Sunil Agarwal and Jitendra Gupta	Software-Defined Networking For Internet Of Things: A Survey
31	CS_P_68	Rishi Goyal, Jitendra Gupta and Sunil Agarwal	Survey on Blockchain of Internet of Things
32	CS_P_69	Praveen Gupta and Manish Dubey	Cloud computing architecture for the digital learning
33	CS_P_70	Poorvi Goyal, Sunil Agarwal and Jitendra Gupta	Optical Wireless Technology
34	CS_P_74	Juhi Varshney and Karan Singh	Security Issues in Mobile Applications and Solutions
35	CS_P_75	Imran Khan and Amol Saxena	Load Balancing using Map-Reduce in the Cloud Architecture
36	CS_P_76	Himanshu Singh, Khushbu Pareek and Parul Khandelwal	IOT in agriculture
37	CS_P_77	Khushbu Pareek, Himanshu Singh and Parul Khandelwal	Artificial Intelligence in Social Media
38	CS_P_78	Gaurav Pipada and Parul Khandelwal	Artificial Intelligence In Education
39	CS_P_79	Jahanvi Arora and Komal Jaswani	Design and Analysis of Tracking System
40	CS_P_80	Aditya Kumar and Shirish Nagar	A Review on Next Word Prediction by Grouping Language Models
41	CS_P_81	Garvit Sharma, Disti Jain and Meenakshi Nawal	A review on blockchain consensus algorithms
42	CS_P_84	Deepak Kumar and Shirish Nagar	A Review on Application Frameworks for Intrusion Detection Systems
43	CS_P_85	Anant Jain and Mukesh Chan	Internet of Things based Controlling of Appliances using GSM/GPRS.
44	CS_P_88	Manoj V. Thomas, Varada Mv, Wissam Salih Abdulla, Aparna Udayakumar and Haritha Raghu	Blockchain Based Government Fund Tracking And Management System
45	CS_P_90	Anirudh Ghildiyal, Komal Singh and Sachin Sharma	Music Genre Classification Using Machine Learning
46	CS_P_92	Aamir Hamid, Manzoor Ahmad Chachoo and Nisar Ahmad Kangoo	A reliable and stable e-healthcare record platform based on blockchain technology
47	CS_P_94	Naman Gupta and Namita Bilandi and Muskaan Bhatia and Sachin Sharma	Anti-Rape Technology
48	CS_P_95	Naitik Mathur, Namrata Harsh and Nitisha Choudhary	Machine Learning Algorithms in Gaming
49	CS_P_98	B Malathi, P Munesh and Kanagaluru Chandrasekharaiah	PGF Cyberpolicing to Defuse Fake Government of Telangana(FGoT), Fake Government of India (FGoI)

			and Cybercriminal Legacy
50	CS_P_100	Keshav Goyal and Shazia Haque	Methodologies for Smart City Implementation
51	CS_P_101	Manish Khyani and Shazia Haque	A Comparative Study on Recommendation and Prediction Models
52	CS_P_106	Srihari Rao Nidamanuru, Chandra SekharaiahKanagaluru and Mubeena Begum	Information Technology (IT) for the Organization Development: A Case Study
53	CS_P_107	Aadit Pathak and Dinesh Chand Gupta	Addressing Security Risk in Cloud Computing
54	CS_P_108	Budidha Malathi, M Sankeerthana, D Aishwarya, Mohammad Sana Afreen and K Chandrasekharaiah	Reverse Engineering National Cognition Impairment – A PGF mediated approach
55	CS_P_109	Deepak Prajapati and Hemant Mundhe	Lead Generation Chatbot
56	CS_P_110	Jayant Singh	AI Chatbot Using NLP
57	CS_P_112	Sumodh C Sabu, Saket Sharma and Swapnil Upadhyay	Mask Detection using Machine learning
58	CS_P_114	Siddharth Nolkha and Shazia Haque	A Study of Cloud Service Provider: AWS
59	CS_P_117	Gaurav Pipada, Mahesh Rathi and Parul Khandelwal	Basic Understanding of Cloud Computing
60	CS_P_125	Aryan Jha	Sentiment analysis using machine learning techniques to predict outbreaks and epidemics
61	CS_P_132	Aman Jain, Sweety Jain and Tanu Jain	Mobile Assets Tracking Using Contexts
62	CS_P_133	Shreya Agrawal	Using Container Technology For Cloud-Based High Performance Computing Clusters And Load Balancing
63	CS_P_141	Suyog Kumawat, Rhythm Parashar, Rohit Garg and Manish Dubey	Deep Learning and AI approaches for Predicting Near Future Traffic Jams and Hotspot Congestion
64	CS_P_143	Tanuj Mathur, Tushar Sharma, Saurabh Agrawal, Shivani Sinha and Richa Mehra	Digital Signature on Online Examination Portal
65	CS_P_144	Tanvi Mittal, Rohit Singh, Sankalp Chandalia and Ritesh Jain	Analysis of tourism in india
66	CS_P_145	Vikrant Khajuria, Rohit Sharma, Shlok Tiwari and	A Research Paper On E-Commerce

		Saquib Mansoori	
67	CS_P_147	Arnav Kulshrestha, Bhupesh, Bhawna Gupta and Ayush Saxena	Automatic Car Accident Detection and Notification Alert
68	CS_P_148	Prayas Shrivastava, Kushal Saxena, Khushboo Jain, Harshita Pareek and Rashi Bansal	Fingerprint Image Identification for Crime Detection
69	CS_P_149	Ishan Jain	Measuring E-Commerce Advertising Success
70	CS_P_151	Om Sharma, Kinjal Agrawal, Manish Sharma, Pallavi Singh, Richa Mehra and Hemraj	Income and lifestyle prediction based on census income data analysis
71	CS_P_152	Tanya Agarwal, Tanu Jain and Shreeansh Srivastava	Artificial Intelligence
72	CS_P_153	Apreksha Mathur, Bhupesh Kumar Manuja, Gagan Tyagi and Abhishek Singhal	Handwriting Recognition Using Artificial Intelligence
73	CS_P_154	Vishali Gupta, Vishal Kumar, Utkarsh Paliwal and Utkarsh Dubey	A Review Of The Modern Chatbots
74	CS_P_155	Ruchika Agarwal and Shalini Puri	Intelligence Towards Hybrid intelligence for Robotics
75	CS_P_156	Rashi Pareek	Machine Learning for Dynamic Difficulty Adjustment in Computer Games
76	CS_P_157	Rashi Pareek, Ruchika Agarwal, Ritika Agarwal, Riya Joshi and Shalini Puri	Face Recognition with Artificial Intelligence
77	CS_P_158	Ritika Agarwal and Shalini Puri	Why Social Media Chatbots Are The Future of Communication
78	CS_P_159	Arnav Sharma, Aryan and Hardik Singh	Android based Home Surveillance system
79	CS_P_160	Chetan Agarwal, Dakshita Sharma, Deepesh Totla and Deepak Lakhotia	Face Detection using Neural Network
80	CS_P_162	Arjun Jain, Arnab Roy, Arjunkumar Chaudhary and Ankur Chaurasia	Advantages and Challenges to Autonomous Vehicles and their comparison with Human-Driven Vehicles
81	CS_P_164	Nitin Gupta, Naman Gupta and Mridul Pandit	An architectural analysis of Django Framework
82	CS_P_165	Gaurav Pipada, Ankush Yadav, Abhishek Agrawal, Harsh Upadhyay, Abhishek Patidar and Richa Mehra	A Review of Traffic Prediction using Time Series Analysis
83	CS_P_166	Neha Shrotriya, Riya Relwani, Tanu Sharma, Tarun Sharma and Tushar Sharma	Facial Recognition based attendance system

84	CS_P_167	Aman Verma, Aman Jain, Arshit Paliwal, Abhinav Goyal and Bulbul Rathore	Android application shortest path using GPS
85	CS_P_168	Tanisha Agarwal and Sakar Gupta	To investigate internet marketing Strategies employed by e-commerce Retailers
86	CS_P_169	Shashi Mishra and Amit Kumar Jha	Search Engine Optimization Tools & Techniques
87	CS_P_173	Aashish Soni, Dhramendra Mishra and Reena Sharma	Intranet Search Portal
88	CS_P_174	Aman Pandey, Amrit Kumar, Anurag Kumar, Anushka Sharma and Manish Dubey	Fake News Detection Using Machine Learning Application
89	CS_P_175	Ria Mehra	A Review on the Approaches of Sentiment Analysis and Opinion Mining
90	CS_P_176	Abhishek Sharma, Nandan Wewhare, Lalit Jarwal and Richa Mehra	Application for Secure Storage and Retrieval of Passwords using Advanced Encryption Standard (AES) Algorithm
91	CS_P_177	Tushar Sharma, Yash Gaur, Sankkalp Chandalia, Yakshesh Gupta and Rohit Agrawal	Machine Learning In Healthcare
92	CS_P_178	Himanshu Thanvi	Modern Techniques in Digital Marketing
93	CS_P_192	Mohit Singhal, Mehul Agarwal, Keshav Vijayvergiya, Mahima Pathania and Richa Mehra	Digital Attendance System
94	CS_P_193	Ridhvi Kulshrestha and Shalini Puri	An Intelligent Robot Using Ai Techniques
95	CS_P_194	Sahil Gupta and Vishal Choudhary	A Review Paper: Internet of Things
96	CS_P_196	Hardik Khanchandani, Bhanu Prakash Sharma, Bhavika Chauhan and Bhavesh Kumar Agrawal	Intelligent Tourist Guide
97	CS_P_197	Abhinav Sharma, Abhishree Mundra, Aditi Katara and Richa Mehra	Personality Classification Using Naive Bayes Algorithm
98	CS_P_198	Rishi Goyal, Minali Gupta, Nalin Jain, Nikita Jain and Neeraj Yadav	Big Data Analysis Using Hadoop: A Survey
99	CS_P_199	Satyam Kumar	Stock Market Prediction And Analysis
100	CS_P_200	Raghav Sharma, Niharika Saini, Paarth Agarwal and Richa Mehra	Handwritten Characters Recognition
101	CS_P_202	Poorvi Goyal, Pinki Gurjar and Mukesh Kataria	The effects of internet marketing strategies

102	CS_P_203	Simran Wadhwani, Sourabh Gupta, Sumit Kumar and Sumit Nayak	Housing Price Prediction
103	CS_P_205	Darshan Bhatt, Dhawal Suthar, Dikshant Mathur, Gagan Yadav and Gorav Singh	Wi-fi-based Indoor Positioning System Using Smartphones
104	CS_P_210	Krrish Joshi, Kartik Lohar, Kapil Garg, Jatin Kumawat, Khushal Pareta and Manish Dubey	Intrusion Detection System In Cloud Computing Using Artificial Intelligence
105	CS_P_217	Tanisha Khunteta, Suryansh Omar and Swaraj Kaushik	Facial Emotion Recognition And Detection
106	CS_P_218	Aish Joshi, Akshat Jain, Dev Kalra, Devansh Sharma and Nikita Jain	A review guide to deep learning in healthcare
107	CS_P_220	Ujjwal Maheshwari, Udit Parihar, Tejasvi Saxena and Siya Jain	Video Surveillance Using Neural Networks
108	CS_P_224	Khushbu Pareek	Conversational AI for Messaging and Chatbots
109	CS_P_226	Bhavika Chauhan, Hardik Khanchandani, Akansha Kumari, Anjali Shrivastav and Deepanshi Khadolia	Online Shopping
110	CS_P_227	Aakansha Kowerjani, Anubhav Srivastava, Aryan Porwal, Bhavesh Mathur and Neelam Chaplot	Crime Detection Using Machine Learning
111	CS_P_232	Nomita Soni and Jyoti Panwar	Design and Development of E-learning System Using Cloud Computing
112	CS_P_241	Prabin, Pranjal Yadav, Prerna Mundra, Nitin Tayal and Nitish Gupta	Benefits of using e-commerce for both buyers and sellers
113	CS_P_242	Abhishek Sharma, Nandan Wewhare, Lalit Kumar Jarwal and Richa Mehra	Application for Secure Storage and Retrieval of Passwords using Advanced Encryption Standard (AES) Algorithm
114	CS_P_243	Nishtha Gorana, Muskan Khurana, Nandini Singhal, Muskan Mandliya and Manish Dubey	Cloud Computing In Healthcare
115	CS_P_247	Ayush Sharma Sharma, Chirayu Khandelwal, Gaurav Tank, Ashutosh Saxena and Devesh Singh	A Review of Improving captcha algorithm for enhancing security on cloud
116	CS_P_248	Sakshi Kumari, Sagar Saini, Manish Dubey, Sahil Gupta and Sanjay Singh	Multi Agent Deep Learning Approach for Social Influence

117	CS_P_254	Tanisha Khunteta, Suryansh Omar, Swaraj Kaushik and Nikita Jain	Facial Emotion Recognition And Detection Using Deep Learning
118	CS_P_255	Aanchal Asnani, Aayushi Naruka and Ayushi Sharma	Blogging System : Strategies Moving On The Internet
119	CS_P_257	Mukul Kumar Tiwari, Riya Modi, Manish Motwani and Manish Kumar	E-Commerce
120	CS_P_259	Akshita Jain and Amol Saxena	Data Security in Cloud Computing
121	CS_P_262	Lovely Jain and Sita Gupta	Collaborative Filtering for Recommendation Model
122	CS_P_265	Anubha Gupta, Ayush Shrivastav, Garima Jain and Ayrish Jain	Role of Innovation and Artificial Intelligence in Ecommerce and their benefits to Small businesses.
123	CS_P_268	Vishesh Garg, Yaduvendar Singh Rathore and Yash Bansal	Video surveillance using MaskRCNN
124	CS_P_269	Asha Meena, Rupendra Shekawat and Yash Sharma	Road Accident Analysis and Prediction of Accident Severity by Using Machine Learning
125	CS_P_271	Jyoti Jinger and Shiv Kumar	Maize Yield Prediction Considering Growth Stages Using Fuzzy Logic Modelling
126	CS_P_272	Amulya Jain	Evolution of 5G wireless communication
127	CS_P_279	Tanushree Jain, Shrishti Kapoor and Richa Mehra	Fake News Detection System
128	CS_P_285	Nikhil Sharma and Sita Gupta	Internet of Things Enabled Smart Home Adoption
129	CS_P_295	Aarti Suthar, Aabhar Bhatt, Aarushi Kaushik and Abhishek Jain	Facial recognition to detect mood and suggest songs accordingly
130	CS_P_305	Rohit Mathur, Shivam Shukla, Riya Kumari and Ronak Mishra	Using business process re-engineering model to integrate ecommerce into a company
131	CS_P_308	Ridhima Khandelwal and Dinesh Gupta	Robot as Intelligent Home Security System
132	CS_P_310	Itisha Yadav and Sita Gupta	Web Development Using Cloud Computing

Track-2: Electronics & Communication Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	EC_P_13	Saumya Borwankar	Auction Based Approach For Resource Allocation In D2D Communication

Dr. Mahesh Bundele
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, JAIPUR

2	EC_P_26	Rajveer Marwal, Aadesh Sharma, Prachi Shah and Karan Kumawat	Remote Sensing and Controlling of Greenhouse Agricultural Parameters Based on IOT
3	EC_P_32	Isha Maheshwari, Kunika Saraswat, Mukta Bhargava, Anjali Mishra and Manisha Kumawat	Small Uwb Antenna For Wireless Dongle Application
4	EC_P_33	Pranjal Sharma, Praveen Kumar Sharma, Chinmay Jain and Mayank Mrinal	IOT based Smart Bottle for Healthcare
5	EC_P_97	Tushar Sharma, Tanmay, Tarun Sharma, Aditya vats and Arvind Rehalia	IOT based Farming
6	EC_P_142	Pallavi Sapkale, Uttam Kolekar and Vaishali Jadhav	An Energy consumption mode selection technique using Naive Bayes Classifier in 5G
7	EC_P_206	Garvit Gahlot, Kushank Yaduvashi, Mukul Soni and Archit Pandey	Accident Detection And Reporting System
8	EC_P_207	Asif Jalal	Next-Generation Secure Computing Base
9	EC_P_211	Tarun Jangir, Manisha Kumawat and Manish Sharma	A Review Paper on crash & accident location identifier
10	EC_P_213	Anurag Yadav and Anurag Yadav	Ai For Speech Recognition
11	EC_P_222	Tarun Mandani, Durgesh Kumar and Manish Sharma	Tele-Immersion Devices
12	EC_P_225	Harshvardhan Sharma	Optical Character Recognition
13	EC_P_229	Deepak Swami and Manish Sharma	Iot Home Automation Using Blynk AND NodeMCU
14	EC_P_266	Kapil Sharma	Wireless Charging of Mobile Phones Using Microwaves
15	EC_P_302	Lalit Agarwal, Shivendra Singh Rathore and Samiksha Agarwal	Forest Fire Detection And Prediction Technology

Track-3: Electrical Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	EE_P_7	Yashasvi Pandey and Shruti Sharma	Mppt For Solar System:A Review
2	EE_P_8	Himani Goyal Sharma and Gaurav Jain	A review on : Self-Healing Smart Grid
3	EE_P_20	Nitesh Kumawat	Solar Energy Measurement System Conveyed over Wi-Fi Using PIC Microcontroller for Residential Applications

Dr. Mahesh Bundele
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, JAIPUR

4	EE_P_24	Satyendra Singh and Surendra Singh	Electric Vehicles in India: A Literature Review
5	EE_P_25	Vaishali Shirsath, Rahul Agrawal and Pravin Sonwane	A Review of Wind Station Data Modeling For Enhancement of Wind Turbine Reliability
6	EE_P_36	Vikas Sharma, Pawan Raj Koodi, Rahul Yadav and Asha Kumari	Two-leg VSC- as DSTATCOM Based on Carrier less Hysteresis Current Control Algorithm for Power Quality Improvement
7	EE_P_43	Shobhit Jain	A Research Paper On Extra High Voltage AC Transmission Lines
8	EE_P_58	Puru Srivastava, Virendra Sangtani, Md Asif Iqbal	Design Of Battery Management System For Li- Particle Battery
9	EE_P_60	Muskan Jonwal, Virendra Sangtani, Md Asif Iqbal	Principle and Adaptive protection scheme of distribution system
10	EE_P_62	Punit kumar sharma	Automatic Transmission System
11	EE_P_66	Kajal Saini	Solar Tree
12	EE_P_71	Nehal Sahu	Wireless Power Transmission Via Solar Power Satellite
13	EE_P_73	Mohammad Asif Iqbal and Dr. Himani Goyal Sharma	Optimization Of Hybrid Renewable Resources For An Isolated Region Of Rajasthan
14	EE_P_83	Man Mohan Singh Kalyanwat and Man Mohan Singh Kalyanwat	Development and implementation of electric engine
15	EE_P_86	Narendra Kumar Verma	Prepaid Electric Smart Metering Scheme with GSM and Microcontroller
16	EE_P_91	Himani Goyal Sharma and Gaurav Jain	A review on : Self-Healing Smart Grid
17	EE_P_134	Pranav Pratap, Tanuj Kumar, Shubham Dadhich and Sunil Kumar Meena	Advancement In Robotics Analogous To Living Organisms
18	EE_P_135	Goverdhan Singh Ratnawat, Lokendra Kumar Singh and Himanshu Bansal	A High Efficiency MPPT Charge Controller for Solar PV System to Extract Maximum Power in Varying Weather Conditions
19	EE_P_137	Arshad Mohammed, Dr.Mohammed Sajid and Prawej Alam	Analysis Of Converter Fed Rotor Based Induction Machine

20	EE_P_138	Dr.Mohammed Sajid, Arshad Mohammed and Mohd Amer Ahmed	Mitigation of Commutation Torque Ripple of Brushless DC Motor by Using Cuk Converter
21	EE_P_163	Pritam Raj and Gaurav Mishra	Behavior of Solar System
22	EE_P_180	Harshit Kumar Meharchandani, Kanak Pareek, Harshvardhan Shringi and Ankit Mali	Solar Based Street Light Auto Intensity Control
23	EE_P_182	Rakesh Prajapati, Shagufta Parween, Vishwas Gothwal and Lalit Mewara	Conventional solar inverter
24	EE_P_183	Trinal Sharma, Sourav James, Udayveer Singh Bhati and Vinay Shrivastava	Motor Protection Against Single Phasing and Overheating: A Review
25	EE_P_185	Manas Gupta, Aarifa Sheikh, Ayush Kumar and Nitish Chauhan	Advance Water Quality Monitoring System Using Solar Power
26	EE_P_187	Sachchita Nand Tiwari, Mukesh Kumar, Sanjay Katariya and Divya Agrawal	Generation of Electricity from Wind Power
27	EE_P_191	Siddhant Awasthi, Vaibhav Trivedi, Vijayraj Singh and Saurav Kumar	Solar Power Monitoring System using IOT
28	EE_P_204	Shubhang Agarwal, Shitanshu Yadav and Sumer Jain	A Unitized Hybrid Smart Battery Management System And Calibration Module For Telecom And Medical Devices
29	EE_P_219	Amarjeet Kumar Patel, Bilal Ahmed Koshee, Arjun Kumar and Chothmal Yadav	A Smart Street Lighting System Tracking Implemented Using IR sensors
30	EE_P_228	Anshu Agarwal, Aman Tiwari, Aman Verma and Amir Farooq	Power Generation Using Footsteps
31	EE_P_231	Aadil Khan, Alok Kumar and Esha Singhal	Selective load reduction in power grids in order to minimise the effects of complete power cut using smart controller on MQTT protocol
32	EE_P_233	Harshita Yadav, Mayur Sogna, Manish Kumar Meena and Nayan Jain	A Review on Electric Drive Vehicle to Grid Implementation
33	EE_P_234	Shubham Kumawat and Monika Verma	Increasing Efficiency of an Electricity Production System from Solar Energy with a

S. No.	Paper ID	Author(s)	Paper Title
			Method of Reducing Solar Panel Temperature
34	EE_P_238	Deepak Sajnani, Deepika Yadav and Chetna Kumari Meena	Robotics- The Future Generation
35	EE_P_249	Suvigya Chouhan, Udit Jouliya, Shubham Ajmera and Ram Niwas	Hybrid Electric Vehicle
36	EE_P_251	Sakshi Agrawal, Yogita Modi, Shreyansh Vijay and Yogesh Mahawar	Smart Irrigation System Using IOT
37	EE_P_253	Aman Kumawat, Chitransh Vijay, Ashish Prajapat and Ashutosh Dashora	Standalone Smart Solar Street Lights using Micro-Controller and Sensors
38	EE_P_263	Bhavesh Jain, Gulshan Kumar Ajmera, Aryavardhan Paradia and Devanshu Jain	Arc Models For Circuit Breakers
39	EE_P_273	Arvind Bairwa, Ankit Sharma, Mayank Chhipa and Nishant Poonia	Intelligent automation system for electrical energy distribution
40	EE_P_286	Ravindra Mina, Naveen Saini, Tushar Dave and Naman Bhanwariya	Covid 19 Modelling
41	EE_P_297	Sarthak Joshi, Yaman Jangir and Umesh Meena	Design partial shading of 250W pv module
42	EE_P_299	Madhav Pachauri, Paroksh Jain, Devansh Dwivedi and Pankaj Agarwal	Engine Emission modelling of a hybrid electric vehicle

Track-4: Mechanical Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	ME_P_19	Tamanna Sharma, Shyam Sunder Suthar and Prashant Nahar	Design and Development of Portable Biogas Digester
2	ME_P_21	Sanyam Tyagi, Shyam Sunder Suthar and Karan Singh	Implementation of Response Time Based Braking System For Automobiles
3	ME_P_47	Yaduvendra Singh Rathore, Govind Shay Sharma and Sunil Kumar Yadav	Modeling of Part Replacement Problem in Hydraulic pack by Decision Making
4	ME_P_89	Shubham	Industry 4.0 innovations and their applications in battling Coronavirus pandemic

5	ME_P_103	Bhuvnesh Sharma, Lalit Kumawat, Md. Noor Alam and Ankit Kumar Sah	Investigation of the control of friction induced vibration by means of Fractional order controller
6	ME_P_161	Lakshya Sapra, Lekha Tiwari, Prakhar Tolambia and Sagar Kumar	Design And Analysis Of Composite Leaf Spring For Light Vehicles
7	ME_P_170	Dr. Rahul Sen, Armesh Saini, Akshay Pareek, Ishan Sen, Aditya Singh and Harish Gupta	Charcoal and Activated Carbon from the Coconut Shell Wastes
8	ME_P_172	Ishan Sen, Dushyant Saini, Sanjay Kumawat and Asha Kumawat	Design and Analysis of Go-Kart Chassis by Using 3D Modeling Tool
9	ME_P_181	Abhishek Sharma and Sanjay Kumawat	Studies of material requirements and ovality in tapered roller bearings
10	ME_P_208	Dhruv Singh Rathour, Garima Singh, Nimai Joshi, Jatin Arora, Afroz Alam and Shailendra Kasera	Fea Simulation For Vibration Control Of Shaft System By Magnetic Piezoelectric Control Mount
11	ME_P_236	Harshit Kumar Meena	Metal Forming using 3D Printing
12	ME_P_237	Harshit Kumar Meena and Akshay Jain	Review of metal forming using 3D Printing
13	ME_P_264	Shyan Wasi and Rahul Sharma	The Kaizen Philosophy for Industries: A Review
14	ME_P_270	Asheer Ul Hameed, Sanjay Kumawat and Asha Kumawat	Advancement in Automotive Coatings
15	ME_P_287	Rahul Kumar Bohra and Bhuvnesh Sharma	A Review Of Transparent Graphene In New Generation Of Solar Cells
16	ME_P_288	Bhaskar Sharma, Bhaskar Sharma and Bhuvnesh Sharma	Desiccant Dehumidification- A Review
17	ME_P_289	Gaurav Sharma and Surendra Kumar Saini	Fused Deposition Modelling
18	ME_P_290	Divyanshu Singhal and Dr. Surendra Kumar	Rapid heat cycle Moduling: An experimental surface temperature study
19	ME_P_291	Girish Kumar Gupta and Dr. Surendra Kumar	A review on advancement in Laser Surface hardening
20	ME_P_292	Bhupendra Singh Shekhawat and Dr. Yashpal Kaushik	TIG-MIG
21	ME_P_293	Parasram Mali	Automatic Parking System
22	ME_P_294	Yash Avasthi	Use of 3D printer in Automobile industries
23	ME_P_300	Sarthak Jagdaley, Rohit Pradhan, Pintu Sharma, Mohmmad Yameen and	Utilization of Cow Dung and Agriculture Waste In Production of Bio Bricks

		Rahul Sen	
24	ME_P_306	Vedendra Mishra and Maheshchand Saini	Performance Analysis of a Cascade Refrigeration System with Different Refrigerants: A Review Study
25	ME_P_314	Abhishek Pal, Ankit Kumar, Ajay Kumar Solanki, Ayush Khandelwal and Dr. Narayan Lal Jain	Dual axis solar tracking device

Track-5: Civil Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	CIV_P_1	Megha Yadav and Anuj Kumar Sharma	Sustainability in Architecture: Dynamic buildings, "The Future Of India"
2	CIV_P_11	Gyaneshwar Kumar Yadav	A Review on Methods of Non-Destructive Testing of Concrete
3	CIV_P_12	Mayank Gupta and N.H. Kulkarni	Hurdles with self–cured Geopolymer Composites in Indian scenario
4	CIV_P_16	Aastha Malik and Deeksha Katyal	Mapping of groundwater contamination using Geospatial Technology in Gurugram, Haryana
5	CIV_P_87	Aastha Malik and Deeksha Katya	Mapping of Heavy Metal Contamination in Groundwater of Some Villages in Gurugram, Haryana
6	CIV_P_93	Zubaid Hamid and Suhail Rafiq	Study on Glass Fiber Reinforced Concrete
7	CIV_P_201	Prince Suwalka	Lime Mortar and Uses
8	CIV_P_212	Madhu Yadav	Porous pavement
9	CIV_P_221	Mansi Agarwalla	Concrete Affected By Aggressive Environments
10	CIV_P_239	Mayur Mewara	Hollow Concrete Blocks
11	CIV_P_240	Kalpna Kairon	Slip Forming
12	CIV_P_244	Jatin Meena, Rahul Khandelwal and Divya Vishnoi	Solid Waste Management Techniques- It's Impact Of On Social Life, Human Health And Environment
13	CIV_P_246	Divya Rastogi	A Review on Analysis and Design of Bubble Deck Slab
14	CIV_P_250	Mohit Choudhary	A Review Paper On Repair And Strengthening Of Concrete

S. No.	Model ID	Author(s)	Model Name
			Structure
15	CIV_P_256	Abhishek Shehra	Disposal of Sewage
16	CIV_P_261	Mayank Kumar Prajapat	Effect of partial replacement of cement By silica fume and fly ash
17	CIV_P_267	Jitendra Choudhary	Causes Prevention and Repair of Cracks in Building
18	CIV_P_275	Lakshya Gupta, Harihar Sah, Ruchi Agrawal and Kshitij Fofliya	Earthquake Resistant Construction of Ancient Bharat
19	CIV_P_280	Deepak Nolkya	Building Environmental Assessment Methodology
20	CIV_P_281	Ajayraj Meena	Numerical Study on Strengthening of Composite Bridges
21	CIV_P_282	Yash Sharma	Earthquake Resistant Building Construction
22	CIV_P_283	Rajendra Lodhi	Manufacturing of fly ash brick
23	CIV_P_309	Deepesh Yadav, Himanshu Rajput, Prakshit Rajoriya and Govind Meena	Use Of Kota Stone Slurry Waste As Fine Aggregate In Cement Mortar Mixes

MODEL CONTEST
Track-1: Computer Engineering / Information Technology

S. No.	Model ID	Author(s)	Model Name
1	CS_M_29	Kunal Choudhary, Jalaj Punjani, Neha Chouhan, Neha Jhamb	Smart power grid management system
2	CS_M_35	Dr. Payal Bansal, Ashutosh Kumar, Akshat Agarwal, Nandita Das and Ashish Chhipa	Forest Fire Detection and Prediction Using NodeMCU with IOT
3	CS_M_82	Madhuri Swami	A Review on Mobile Sensor Networks
4	CS_M_92	Aamir Hamid, Manzoor Ahmad Chachoo and Nisar Ahmad Kangoo	A reliable and stable e-healthcare record platform based on blockchain technology
5	CS_M_104	Rohan Sharma and Faiz Karol	RestoBot : A Virtual Assistant for Restaurant
6	CS_M_111	Moin Sahibole	Collection of Feedback through Conversational AI
7	CS_M_113	Rashi Pareek, Ruchika Agarwal, Sahil Gupta and	Improving Sales Performance Using Mi E Commerce Base

		Tanya Agarwal	
8	CS_M_115	Vishnu Soni	Kali Linux
9	CS_M_116	Sumit Kumar, Shubham Jacob, Suryansh Omar and Utkarsh Paliwal	Amazing Glasses
10	CS_M_118	Rikti Jain, Riya Joshi, Tanisha Agarwal and Ritika Agarwal	User response prediction
11	CS_M_121	Anil Saini	Security Limitations and Challenges of Implementing E-Commerce
12	CS_M_122	Sachin Agarwal and Rohit Sharma	Report On Analysis Of Business Application Using React Js
13	CS_M_126	Prabin	Snake Game
14	CS_M_127	Tanvi Mittal, Shrishti Kapoor, Tanushree Jain and Yogita Tak	Data Analytics in cloud computing
15	CS_M_128	Pinki Devdhar	Bank management system
16	CS_M_130	Shreeansh Srivastava, Suraj Palod and Vedika Gupta	AI for different shape detection
17	CS_M_131	Rishabh Jain, Shubham Jeengar, Tushar Agarwal and Vaibhav Agrawal	Energy Optimized Routing Protocol using Swarm Intelligence with mobile sink in Heterogeneous Wireless Sensor Network
18	CS_M_136	Ali Khan, Ayush Gupta and Divyanshu Gupta	Word Recognition Using Machine Learning
19	CS_M_140	Omendra Singh Rajpoot, Mohit Agarwal, Mayank Jain and Prakhar Ghatia	Three-Tier Captcha to Prevent Attacks in Cloud Computing
20	CS_M_146	Arnav Kulshrestha, Bhupesh, Bhawna Gupta and Ayush Saxena	Remote Control Car Based on IOT
21	CS_M_150	Prabin	Benefits of using e-commerce for both buyers and sellers
22	CS_M_186	Ashutosh Meena	Home automation using Arduino UNO
23	CS_M_209	Nupur Khatri, Pradhumn Vijayvargiya and Ishaan Mangal	Cellular Privacy data Pilfer using Payload Meterpreter
24	CS_M_214	Himanshu Singh, Jaswant Mehta, Nehal Jain, Raghav Malhotra and Sunil Agarwal	Location finder application

25	CS_M_215	Sahil Gupta and Manish Dubey	Multi agent deep learning approach for social influence
26	CS_M_252	Naman Khandelwal and Mahak Hinger	Graphical Password Authentication Systems
27	CS_M_258	Niharika Paliwal, Kunal Lal Pawa, Prashansha Sharma and Luv Hirani	Performance Evaluation of Object Detection Techniques
28	CS_M_260	Sayan Khandait, Riya Bhargava, Rohit Sharma, Virendra Singh Sisodiya and Aprajita Kumari	Improving the existing algorithm of reCAPTCHA
29	CS_M_284	Priyansh Jhalani, Ankesh Agrawal, Devendra Shekhawat and Rahul Gurjar	E-meet

Track-2: Electronics & Communication Engineering

S. No.	Model ID	Author(s)	Model Name
1	EC_M_17	Shreya Mathur, Gopesh Yadav and Srishti Meena	Smart Glove Gesture Vocalizer for Deaf and Dumb Interaction
2	EC_M_27	Ankita Soni, Kumar Saurav and Anamika Tiwari	Integrated Smart Band for Blind's Mobility
3	EC_M_31	Ankita Soni	Fractal Image Compression
4	EC_M_34	Kumar Abhishek Anand, Avijeet Jha, Dipankar Kumar and Ajay Gupta	Fingerprint based attendance system
5	EC_M_37	Anjali Mishra and Rajveer Marwal	pH control technique using fuzzy logic
6	EC_M_96	Shikhar Sharma, Pradhuman Singh, Archit Taliyan and Arvind Rehalia	IOT Based Lock System
7	EC_M_102	Shahul Sayyed and Ahmad Mohammed	Chatbot for Mathematics formulas
8	EC_M_111	Moin Sahibole	Collection of Feedback through Conversational AI
9	EC_M_119	Saurabh Pansari	Light Follower
10	EC_M_123	Rahul Rathi, Ishita Chauhan and Chitrika Bagotia	Smart street light control system
11	EC_M_124	Shivam Shukla and Sanjay Singh	Fire and smoke Detecting Device

Track-3: Electrical Engineering

S. No.	Model ID	Author(s)	Model Name
1	EE_M_61	Mukul Saini, Mohit Meena, Naman Kumar and Rachit Sharma	Design of solar inverter for homes
2	EE_M_72	Kavita Kumari	Advance home automation system and energy saving
3	EE_M_139	Hariom Chaudhary, Garvita Khandelwal and Hardik Bhaskar	Group project SEGWAY
4	EE_M_179	Mansi Bardawat and Yuvraj Singh	Finger Print Door Lock System
5	EE_M_184	Mayank Yadav, Yashshvi Meena, Nidhi Singh Bunker and Priya Kanwar	Home automation
6	EE_M_189	Kunal Jain, Divyansh Sharma, Keshav Sharma and Karan Jangid	Sniper Elite
7	EE_M_190	Khushi Verma, Yash Katara, Vishvendar Paliwal and Hemant Kumar Sharma	Light follower
8	EE_M_216	Bhuvanesh Chaudhary, Kuldeep Choudhary, Mahendra Bairwa and Manish Meena	Solid oxide fuel cell (SOFC) which is connected to a three-phase infinite bus through an IGBT inverter
9	EE_M_235	Achal Singhal, Ashish Meena, Vishnu Mahawar and Ajay Yadav	Sumo War
10	EE_M_276	Tarun Kumawat	To design and simulate a mid-point type step-up cycloconverter
11	EE_M_315	Abhishek Dubey, Abhishek Kumar, Surender Kumar, Kanhaiya Lal	Dynamic Voltage Restorer
12	EE_M_316	MD Anas Zaim Khan , Jatin Agarwal , Dipesh Saini , Saney Thakur	Half and Full Wave Rectifier
13	EE_M_317	Mohit Joshi, Navneet Kumar Saini, Pretish Garg, Vivek Yadav	Li-Fi Technology

Track-4: Mechanical Engineering

S. No.	Model ID	Author(s)	Model Name
1	ME_M_4	Rajat Singh, Ammar Susnerwala, Hariom Suthar and Vishal Patel	Electrochemical Rain Sensing Wiper
2	ME_M_99	Yash Kumawat, Tushar Jindal, Sanjay Kumawat and Asha Kumawat	Design of Smart Dustbin.
3	ME_M_171	Aditya Kashyap, Gaurav Saini, Anmol Panwar, Tushar Jangid, Jitendar Bairwa and Rahul Sen	Speed Breaker Power Generation
4	ME_M_195	Amarjeet Kumar	Study on the performance characteristics of diesel engine using degummed biodiesel as a fuel
5	ME_M_230	Atul Singh, Asha Kumawat, Shailesh Katara, Nidhish Pareek and Paramveer Singh Hada	Reduce water wastage in current water filter system
6	ME_M_245	Rahul Jain, Sudipt Sharma, Md Yusuf Rahmani and Asha Kumawat	Design and Analysis of FPV Quadcopter Drone
7	ME_M_296	Ashish Sonwal, Ashish Sharma, Aayush Poonia, Athrav Joshi and Aakash Shukla	Designing Cancrusher
8	ME_M_298	Lakshay Khandelwal, Lakshay Mittal, Akash Gupta, Jobin David and Kumar Nandish	0ptimization of clutch and brake pedal
9	ME_M_301	Prabhakar Thakur, Sanjay Kumawat, Pradhumn Vijay, Neeraj Yadav, Shubham Mehra and Piyush Sharma	Pedal assist eBikes
10	ME_M_303	Bhavesh Kumar	Solid waste management
11	ME_M_304	Karan Suthar, Lalit Singh, Govind Patel, Sajid Gouri, Piyush Sharma and Bhuvnesh Sharma	Design and Analysis Of Diesel engine Piston by Aluminum composite material
12	ME_M_307	Akshit Singh, Parth Verma, Deepak Sisodia, Shivam Bhat and Vikash Tiwari	Aerodynamics Analysis of Vehicle Using CFD
13	ME_M_311	Pulikt Jangir, Saurabh Milky, Shinto Mathew, Tushar Jindal and Mr. Sanjay Kumawat	Solar Drone
14	ME_M_312	Vipul Singh Solanki, Manish Singh Chouhan, Harshit	Modeling and Analysis of

		Lohar, Dinesh Kumar Arya, Rahul Kumar and Sanjay Kumawat	Cotter Joint
15	ME_M_313	Rishabh Dadhich and Ashwani Kapoor	A Review on Jupiter being considered as a failed solar-like star

Track-5: Civil Engineering

S. No.	Model ID	Author(s)	Model Name
1	CIV_M_5	Pushkar Biswas and Yuvraj Singh Bika	Determining the parameters affecting Bicycle level of service and analysis for implementing solar panels on Bicycle lane
2	CIV_M_6	Amit Swami and Ashutosh Dhaker	Parametric Study of Service Attributes of Pedestrian for Jaipur
3	CIV_M_9	Lalhmingsanga and Aditya Chopra	Study of Quality parameters of Bus Stops in Urban Areas
4	CIV_M_18	Lakshya Gupta, Anil Gupta, Himanshu Rajput and Ruchi Agarwal	Optimization of Energy
5	CIV_M_223	Ishant Saugat, Bharat Sharma and Shivani Mina	Smart traffic control
6	CIV_M_274	Aditya Kumar Singh, Kartik Falwaria and Arvind Rehalia	Poposal of underground transportation using tunnel road system
7	CIV_M_277	Vikas Ranjan, Satyam Sharma, Shubham Kumar K, Manokamna Singh and Harihar Sah	Smart city

♦ VALEDICTORY SESSION:

S.No	Activity	Duration	Time
1.	Joining of all Delegates and Participants–On Zoom	02 Min	04:00 PM-04:02 PM
2.	Gathering of audience in the hall	03 Min	04:02 PM-04:05 PM
3.	**Arrival of Guests &Group Photograph of Dignitaries –Virtual**	02 Min	04:05 PM-04:07 PM

4.	Welcome of Dignitaries and Introduction of Event by-Anchors **Dr. Mahesh Bundele**, Director &Principal,PCE **Mr. Pankaj Dhemla** ,Vice Principal,PCE **Dr. Rekha Nair**, Professor & Dean I Year, PCE-Convener **Technovation 2020** **Dr. Surendra Kumar Yadav**, HOD,CSE, PCE- Track Chair CSE **Dr. Garima Mathur**, HOD,EC,PCE—Track Chair ECE **Dr. VirendraSangtani**,HOD,EE,PCE—Track Chair EE **Dr. Narayan Lal Jain**, HOD,ME,PCE—Track Chair ME **Mr. BalwanSheshma** ,HOD,CIV,PCE—Track Chair CE **Dr. Himani Goyal**, Convener, **Technovation 2020**	03 Min	04:07 PM- 04:10 PM
5.	**Felicitation of Chief Guest ………..** by **Dr. Mahesh Bundele**, Director &Principal,PCE	02 Min	04:10 PM- 04:12 PM
6.	Welcome Address by **Dr. Mahesh Bundele**, Director & Principal, Poornima College of Engineering, Jaipur	05 Min	04:12 PM- 04:17 PM
7.	Report Reading by Dr. Surendra Kumar Yadav, Track Chair CS and IT	05 Min	04:17 PM- 04:22 PM
8.	Report Reading by Dr. Garima Mathur, Track Chair EC and EE	05 Min	04:22 PM- 04:27 PM
9.	Report Reading by Dr. Narayan Lal Jain, Track Chair ME and CIVIL	05 Min	04:27 PM- 04:32 PM
10.	Introduction of Chief Guest …………. & Address by the Chief Guest	10 Min	04:32 PM- 04:42 PM
11.	Announcement of Winners for Papers of all Tracks by Anchors	05 Min	04:42 PM- 04:47 PM
12.	Announcement of Winners for Models of all Tracks by Anchors	05 Min	04:47 PM- 04:52 PM
13.	Vote of Thanks by Dr. Rekha Nair, Convener, Technovation	05 Min	04:52 PM- 04:57 PM
14.	Group Photograph -Virtual	05 Min	04:57 PM-5:00 PM

Winner List

Track 1: Computer Science Engineering & Information Technology					
Award	**Paper ID**	**Authors**	**Title**	**Author Email IDs**	**Affiliation**
First	CS_P_117	Gaurav Pipada, Mahesh Rathi and Parul Khandelwal	Basic Understanding Of Cloud Computing	2019pcecsgaurav58 @poornima.org rmaheshrathi115@g mail.com parulkhand@gmail. com	Poornima College of Engineering, LNMIT
Second	CS_P_23	Kashish Madan, Tarang Goel, Ayush Goyal and Jatin Sainani	Predictive Maintenance Of Computerised Numerical Control Machine Using Iot And Neural Networks	kashish.madan@out look.com taranggoel05@gmai l.com ayushg162@gmail. com js_sainani@yahoo.c om	Manipal University Jaipur
Track 2: Electronics & Communication Engineering					
First	EC_P_142	Pallavi Sapkale, Uttam Kolekar and Vaishali Jadhav	An Energy Consumption Mode Selection Technique Using Naive Bayes Classifier In 5G	pme932@gmail.co m uttamkolekar@gma il.com shruti.atit@gmail.c om	RAIT, Nerul, India APSCOE RAIT, Nerul, India
Track 3: Electrical Engineering					
First	EE_P_137	Arshad Mohammed, Dr.Mohamme d Sajid and Prawej Alam	Analysis Of Converter-Fed Rotor Based Induction Machine	arshad.eee202@gm ail.com sajideee@mjcollege .ac.in prawejalam859@g mail.com	Muffakham Jah College of Engineering and technology, Hyderabad, India
Track 4: Mechanical Engineering					
First	ME	Ashish Sonwal, Ashish Sharma, Aayush Poonia,	Designing Cancrusher	2018pcemeashish19 @poornima.org 2018pcemeashish18 @poornima.org 2018pcemeayush2 @poornima.org	Poornima College of Engineering

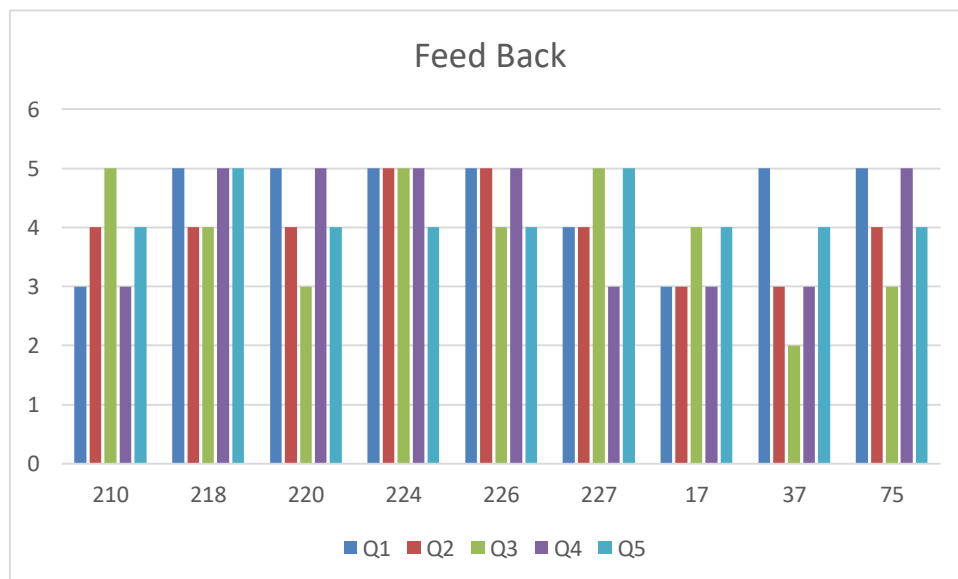|		Athrav Joshi and Aakash Shukla		2018pcemeathrav21@poornima.org 2018pcemeaakash1@poornima.org	
Consolation prize	ME_P_21	Sanyam Tyagi, Shyam Sunder Suthar and Karan Singh	Implementation of Response Time Based Braking System For Automobiles	sanyamktyagi@gmail.com sthr_shym@yahoo.co.in karansingh0012345@gmail.com	Engineering College Bikaner
Track 5: Civil Engineering					
First	Civil	Aastha Malik and Deeksha Katyal	Mapping of groundwater contamination using Geospatial Technology in Gurugram, Haryana	malik.aastha85@gmail.com deekshakatyal@gmail.com	Guru Gobind Singh Indraprastha University

Award	Model ID	Authors	Title	Author Email IDs	Affiliation
First	CS_M_104	Rohan Sharma and Faiz Karol	RestoBot: A Virtual Assistant for Restaurant.	sharmarohan7215@gmail.com faizkarol78@gmail.com	AIKTC
First	CS_M_109	Deepak Prajapati and Hemant Mundhe	Lead Generation Chatbot	deepakprajapati15899@gmail.com hemant.45hm@gmail.com	Mumbai University
First	ME_M_171	Aditya Kashyap, Gaurav Saini, Anmol Panwar, Tushar Jangid, Jitendar Bairwa and Rahul Sen	Speed Breaker Power Generation	2019pcemeaditya05@poornima.org 2019pcemegaurav19@poornima.org 2019pcemeanmol12@poornima.org 2019pcemejitendar23@poornima.org rahul.sen@poornima.org 2019pcemetushar51@poornima.org	Poornima College of Engineering

First	ME_M_3 11	Pulikt Jangir, Saurabh Milky, Shinto Mathew, Tushar Jindal and Mr. Sanjay Kumawat	Solar Drone	2017pcemepulkit079 @poornima.org2017p cemesaurabh088@poo rnima.org 2017pcemeshinto089 @poornima.org 2017pcemetushar096 @poornima.org sanjay.kumawat@poo rnima.org	Poornima college of engineering

♦ FEEDBACK ANALYSIS:

Questions asked

1. How do you rate Speaker's talk?
2. Technical Sessions were informative and managed well.
3. The organization of the conference was?
4. Timely Information sharing with participants, and responses from the organizers.
5. Knowledge sharing during the conference?

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+ **BUDGET & ACTUALS:**

S. NO.	EXPENDITURE	AMOUNT
1	Paper Publication Fee	255000
2	Souvenir Print	40,000
3	Inaugural Expenditure	10,000
4	Other Expenditure	10000
5	Best Paper Awards	25000
Total Expenditure		340000

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