POORNIMA
COLLEGE OF ENGINEERING

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

A REPORT ON 2-DAY STUDENT TECHNICAL PAPER & MODEL CONTEST

- **TITLE AND DURATION:** Student Technical Paper & Model Contest, March 15-16, 2019.

- **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 -2018-19, total 305 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 -2018-19 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 -2018-19 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 -2018-19, Conference management toolkit system was utilized to cater the enthusiastic response making it to around 305 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:**

Student Technical Paper and Model Contests Technovation-2019
Poornima College of Engineering IEEE Student Branch (STB08621)

Programme Outline
Friday, Day 1: 15th March, 2019

Time	Activity	Venue
08:30 am – 09.30 am	Registration (Paper/Model)	Arbuda Convention Center , PIET
09:30 am – 10.30 am	Inaugural Program Technovation 2019	Arbuda Convention Center , PIET
10:30 am – 11.00 pm	High Tea	Outside Arbuda Convention Center PIET
11.00 am	Inauguration of Model Exhibition by Prof. M Raisinghani	PCE
11.00 am – 12.30 pm	Session 1: Paper Presentation	Model Exhibition
	Track 3 EE CT-05	Dome Area PCE
12.30 am –1.30 pm	Lunch Break	PCE Mess
1.30 pm – 3.30 pm	Session 2: Paper Presentation	Model Exhibition
	Track 3 EE CT-05	Dome Area

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

- ## INAUGURAL SESSION:

S. No.	Activities	Time	Faculties/Dignitaries
1	Seating of Faculties, Delegates & Participants	09:15 AM-09:20 AM	
2	Arrival of Dignitaries	09:25 AM	
3	Welcome of Dignitaries ➢ Prof. M Raisinghani, Vice Chairperson VGU & VIT Campus (**Chief Guest**) ➢ Prof. Ranjan Gangopadhyay Distinguished Professor, Electronics & Communication Engineering, LNMIIT (**Guest of Honor**) ➢ Sh. MKM Shah, Director Admin. and Finance ➢ Ar. Rahul Singhi, Director Poornima Group ➢ Dr. Mahesh Bundele, Director & Principal, PCE ➢ Sh. Pankaj Dhemla, Vice Principal, PCE ➢ Dr. Rekha Nair, Convener, Technovation ➢ Dr. Virendra Sangtani, Convener, Technovation	09:25 AM -09:30 AM	
4	Ganesh Vandana	09:30 AM -09:35 AM	Kashish and Monika
5	Lighting of Lamp by Dignitaries	09:35 AM -09:38 AM	
6	Felicitation of Dignitaries by bouquet & mementoes	09:38 AM -09:40 AM	Prof. M Raisinghani by Dr. Mahesh Bundele Prof. Ranjan Gangopadhyay by Sh. Pankaj Dhemla
7	Welcome Address by Convener, Technovation	09:40 AM -09:45 AM	Dr. Rekha Nair
8	Release of Souvenir	09:45 AM- 09:48 AM	All Dignitaries
9	Address by Director & Principal	09:48 AM- 09:55 AM	Dr. Mahesh Bundele
10	Address by Director, Poornima Group	09:55 AM- 10:00 AM	Ar. Rahul Singhi
11	Introduction of Guest of Honor followed by Address	10:00 AM - 10.10 AM	Prof. Ranjan Gangopadhyay
12	Introduction of Chief Guest followed by Address	10:10 AM- 10.20 AM	Prof. M Raisinghani
13	Vote of Thanks by Convener, Technovation	10:20 AM -10:25 AM	Dr. Virendra Sangtani
14	Group Photograph	10:25 AM-10:30 AM	At Porch

- ## DETAILS OF RESOURCE PERSONS/ ORGANIZING COMMITTEES:

Chief Patron:

Dr. S.M. Seth, Chairman Emeritus, Poornima Foundation, Former Director, National Institute of Hydrology, Roorkee, India.

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

Patrons:

Shri Shashikant Singhi, Chairman, Poornima Foundation, and Chairperson, Poornima College of Engineering, Jaipur.

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

General Chairs:

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

Program Chairs:

Dr. Virendra Sangtani, Professor & Head (EE), Poornima College of Engineering, Jaipur.

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

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

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:**

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

- ## LIST OF THE PARTICIPANTS:

Track-1: Computer Engineering / Information Technology

S. No.	Paper ID	Author(s)	Paper Title
1	CS_P_10	Shikha Mathur, Tanushree Jain and Shrishti Kapoor	Cloud Computing: The Next Generation
2	CS_P_11	Shikha Mathur, Ruchika Agarwal and Ritika Agarwal	Network Security with Cryptography
3	CS_P_16	Prashant Hemrajani, Saket Sharma and Shubham Jeengar	ETHICAL HACKING
4	CS_P_20	Shikha Mathur, Rashi Pareek and Tanya Agarwal	Artificial Intelligence & Humans
5	CS_P_21	Shakshi Ramesh Agrawal and Shirish Nagar	A Review On Contemporary Network Intrusion Detection Systems and Algorithms
6	CS_P_22	Shakshi Ramesh Agrawal and Shirish Nagar	A Review On Contemporary Network Intrusion Detection Systems and Algorithms
7	CS_P_24	Shruti Singh and Vivek Sharma	Performance of the ETL processes in terms of volume and velocity in the cloud: state of the art
8	CS_P_25	Nupur Sinha and Vivek Sharma	Implementation of Data Mining Algorithm on Student's Data using Rapid Miner
9	CS_P_26	Kshitij Shukla and Sita Gupta	A review on Recurrent Convolutional Neural Network for Visual Recognition
10	CS_P_27	Aparna Tyagi and Sita Gupta	A review paper on the future direction of agile and business intelligence
11	CS_P_28	Shreyanshi Jain and Sita Gupta	A Review on Graphical Password Authentication

12	CS_P_29	Ritu Jain and Shazia Haque	A Review on Cryptanalysis Of DES-16 using Binary Firefly Algorithm
13	CS_P_30	Shubham Jain and Shazia Haque	A review on machine learning in the health care
14	CS_P_31	Tushar Gupta and Shazia Haque	A Review paper on Fast Rule-Based Prediction of Data Streams using Associative Classifications Mining
15	CS_P_33	Shaily Rani and Shazia Haque	A Review on Privacy Using Smart Devices
16	CS_P_34	Prachi Gupta and Shirish Nagar	A Review on Implementation and Applications of OpenFlow Network Protocol In Software Defined Networking
17	CS_P_44	Nishit Patni and Sita Gupta	Review on DBaaS Security Model
18	CS_P_45	Bantee Kumar and Pradeep Natani	SENTIMENT ANALYSIS ON SOCIAL MEDIA: USING NATURAL LANGUAGE PROCESSING
19	CS_P_46	Surabhi Maurya and Pradeep Natani	Recommendation System For Commercial Enterprise: using Hybrid Model
20	CS_P_47	Surabhi Maurya and Pradeep Natani	A review On Recommendation System For Commercial Enterprise: using Hybrid Model
21	CS_P_50	Priyansh Dubey and Dinesh Chand Gupta	A Review paper on Design of Modified AES Algorithm for Data Security
22	CS_P_51	Ankita Rao and Saurabh Anand	A Review on Green House using Internet of Things
23	CS_P_52	Ayushi Sharma and Amol Saxena	A Review on Contribution of Business Intelligence in Educational Field
24	CS_P_53	Kamini Chaudhary and Sita Gupta	Cryptocurrency and Payment Systems for Opportunistic Data Services
25	CS_P_56	Rahul Sharma and Dinesh Chand Gupta	Search engine optimization for E- commerce
26	CS_P_58	Pooja Sharma and Amol Saxena	A comparative analysis on Regression Models for Stock Market price Prediction
27	CS_P_66	Amitesh Kumar, Aakashdeep Soni and Manish Bhardwaj	A Proposed Model of Detection and Prevention Techniques from SQL Injection
28	CS_P_70	Prashant Hemrajani and Kashish Singh	Security Issues in Cloud Computing
29	CS_P_75	Sharmila Kumari and Amol Saxena	The Rise of Smart Personal Assistant
30	CS_P_81	Dinesh Kumar, Devank Pathak and Dharma Ram Servi	Use of Artificial Intelligence in Game Development

31	CS_P_112	Daksha Biyani and Vivek Sharma	Instant payment and latent transactions on the Ethereum Blockchain
32	CS_P_113	Himani Gupta and Shirish Nagar	A review on Contemporary Intrusion Prevention techniques in Information Security
33	CS_P_134	Anjali Mishra and Shirish Nagar	Application of Reinforcement Learning and Algorithms
34	CS_P_151	Ankit Bansal	Android Security Challenges and Solutions
35	CS_P_152	Shubham Dabral	Android Security Issue
36	CS_P_153	Kritik Luhadiya	Autonomous Car: A Peep into future using LIDAR
37	CS_P_155	Vaishali Mahour	A Review on Browser Extension to Prevent JS Code Injection Attack
38	CS_P_157	Hitesh Gupta	Parking system using Internet of things
39	CS_P_179	Ayushi Avasthi	Text Mining
40	CS_P_180	Ashutosh Malik and Manish Kumar Sharma	Design & Anlaysis of SDN and NFV using IoT
41	CS_P_200	Nitisha Jain	A survey on Native and Hybrid Mobile Applications
42	CS_P_201	Akash Jain and Sunil Gupta	Role of IBM Watson based Support Vector Machines to implement Cognitive Applications
43	CS_P_204	Priti Singh	Detection of Plant Leaf Diseases using Image Processing
44	CS_P_213	Shubham Dabral	Android Application Security Issue
45	CS_P_215	Pragya Akar	Network Security Analysis Based on Authentication Techniques
46	CS_P_216	Ankit Bansal	Android Security Issues and Solutions
47	CS_P_220	Vedika Singh	A Review on Green House Using Internet of Things
48	CS_P_222	Aayushi Porwal	Safeguarding IoT communication with Blockchain
49	CS_P_225	Usha Gupta	Research on Cloud Computing Security Delinquent and Approach
50	CS_P_230	Bhumika	Security issues in Wireless Sensor Network
51	CS_P_231	Pranshu Ambwani	Study on Different Approaches for Optimizing Road Traffic Depend on Big Data Analytics
52	CS_P_232	Rajat Dey	A Self Learning Emoti

			Recognition Approach using Deep Learning
53	CS_P_236	Kritik Luhadiya and Ajay Khuteta	Autonomous Car: A Peep into future using the LIDAR
54	CS_P_250	Divyansh Pachauri	A Case Study on Android Malware Detection Using Logistic Regression Algorithm
55	CS_P_252	Ankit Bansal	Android Security Issues and Solution
56	CS_P_255	Shreya Porwal	Nature Inspired Algorithms
57	CS_P_256	Deeksha Nagar	Malware attack and detection in android application
58	CS_P_257	Anushka Mujawdiya	A distributed date storage system 'Bigtable' for structured data
59	CS_P_258	Nikita Hemani	Real time data warehousing
60	CS_P_262	Tanvi Gupta	Mixed Reality
61	CS_P_263	Deepanshu Rawat	A Review paper on Application Development and Deployment Automation using DevOps
62	CS_P_264	Poonam Verma	Application tools and technologies of Big data and NoSQL
63	CS_P_265	Shubham Dabral	Android Application Security Issues
64	CS_P_328	Shohit Garg	Are Apple's Security Measures Sufficient to Protect Its Mobile Devices?
65	CS_P_334	Ashish Mishra	Review paper on need and challenges in Mobile Cloud Computing
66	CS_P_373	Pushpendra Singh	Green computing
67	CS_P_389	Himanshu Rathore, Dr. Suchi Dave	Linear System & Real life Problems
68	CS_P_399	Shweta Gaur, Brijraj singh solanki	Control systems for wind power plant
69	CS_P_413	Ayush Shringi, Tarun Varshney	A Review on Ant Colony Optimization Based Service Flow Scheduling
70	CS_P_422	Ajayraj Nivran	Analysis and Automatic indexing of sport videos
71	CS_P_423	Akash Kant	Anti collision and alert system for vehicles using Vehicular ad-hoc network

Track-2: Electronics & Communication Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	EC_P_8	Shikha Mathur, Sumodh Sabu and Sahil Gupta	Internet of Things & its Applications
2	EC_P_13	Prashant Hemrajani, Tanisha Agarwal and Rikti Jain	A Review Paper on Technology

3	EC_P_14	Arjun Kumar, Bilal Ahmed Koshee and Gaurav Kumar Badhotiya	A review of artificial intelligence techniques in wireless sensor networks
4	EC_P_15	Prashant Hemrajani and Amit Haritwal	Introduction to MANET
5	EC_P_38	Arun Saini and Vishal Choudhary	Review paper on Wearable Technology
6	EC_P_40	Rani Kumari and Saurabh Ananad	A Review on Water Quality Monitoring
7	EC_P_41	Raunak Tiwari and Saurabh Anand	NEAR FIELD COMMUNICATION : CASHLESS TRANSANCTION THROUGH SMARTPHONES
8	EC_P_57	S. Rajshree and Shirish Nagar	Review on Contemporary Key Management Techniques in Information Security
9	EC_P_80	Krati Sogani and Dinesh Chand Gupta	Smart City Using Internet of Things
10	EC_P_96	Dr. Anila Dhingra, Mahima Agrawal, Prateek Kashyap and Nandita Jain	Artificial Intelligence in IoT
11	EC_P_97	Dr. Anila Dhingra, Shreya Mathur, Srishti Meena and Gopesh Yadav	MIMO TECHNOLOGY: CHALLENGES AND FUTURE SCOPE
12	EC_P_103	Gaurav Gupta, Nishi Nenwani and Amit Kumar Jain	Fractal Robots-A Smart Future to Robotics
13	EC_P_106	Dr. Anila Dhingra, Pallavi Bansal, Nishant Kumar, Prachi Mathur and Reshu Kumari	challenges in 5G technology
14	ECE_P_131	Mohit Bhargav, Mayank Singh, Mriganka Chaturvedi, Uma Kanwar and Neha Pareta	Multipurpose smart lock system using RFID and GSM
15	EC_P_140	Rishab Agarwal, Amit Kumar Jain, Manisha Kumawat and Gaurav Gupta	Optical pH Sensor in the Range of 0.5–6
16	EC_P_144	Aditya Jha, Aadesh Sharma, Akshat Agrawal, Divyanshu Mani Mishra and Durgesh Kumar	A Review Paper on RFID based Bus Safety System using GPS & GSM Module
17	EC_P_170	Arshi Nakra	Project Loon
18	EC_P_191	Prithviraj Kashyap, Manisha Kumawat, Pranjal Meharishi and Piyush Kumawat	Dynamic Wireless Power Charging on Moving Electric Vehicles
19	EC_P_210	Deepak Dahiya, Akash Sharma and Dushyant Singh	Project loon by google x
20	EC_P_214	Himanshu Kumar Sharma and Kritika Tiwari	A Novel Detection Model for Indian Fake Currency detection Using Android

21	EC_P_219	Vishakha Mathur	WIRELESS SENSOR NETWORK SECURITY ATTACKS
22	EC_P_227	Vishnu Bochiwal	Handwritting Recognition - A Segmentation Based Approach
23	EC_P_228	Bhawna Garg, Rashmi Dhakad and Vivek Sharma	DEEP LEARNING: THE FUTURE OF MEDICAL IMAGE PROCESSING
24	ECE_P_243	Aman Jain and Anisha Oswal	digital jewelry components and working
25	EC_P_302	Gaurav Gupta, Amit Kumar Jain and Manisha Kumawat	SECURE VOTING SYSTEM IN MOBILE NETWORK
26	EC_P_337	Manisha Kumawat, Isha Maheshwari and Kunika Saraswat	Smart Antenna- Intelligence integrated with radiation pattern
27	EC_P_342	Mrinal Tyagi, Prachi Shah, Nandita Das and Amit Jain	Comparison of various mobile generation technologies
28	EC_P_369	Divyansh Bhati	Maglev Train Technology
29	EC_P_401	Sumer Singh Naruka, Vijay Prakash, Laksh Jha, Arya Rawat	RECOGNITION OF FACIAL EXPRESSION
30	EC_P_408	Mahendra Banshiwal	APPLICATION OF WLAN TO AUTOMATIC VEHICLES

Track-3: Electrical Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	EE_P_9	Vaibhav Malav, Raushan Kumar Bhagat and Udit Mamodiya	Research Paper on Design & Implementation of the Advance Drone System with Applications
2	EE_P_116	Dharmendra Bochlya and Deepika Chauhan	Challenges Regarding Power Quality In Solar Energy System
3	EE_P_117	Mriganka Mathur and Gaurav Srivastava	Mechanical Strength of Transformer Windings under Short-Circuit Conditions
4	EE_P_118	Chitra Dhakar and Krishankant Katara	Comparative Study Of Multi-Pulse Voltage Source Converter Based STATCOM Over Current Source Converter Based STATCOM
5	EE_P_119	Harshit Gupta and Mohammed Asif Iqbal	Investigation of optical and electrical properties of GaInP for efficiency of solar cell
6	EE_P_124	Janak Choudhary and Pravin Kumar	A Survey of Condition Monitoring and Protection Methods for Medium-Voltage Induction Motors
7	EE_P_127	Jagdish Kumar Sonal,	Comparative Study of the

		Deepika Chouhan and Lakshya Swami	Potential of wind Energy Source between Denmark, China, japan and India
8	EE_P_128	Harshit Arora and Mahesh Meena	Grid to Source and Source to Grid Smart Power Distribution for Electric Vehicles : A Review
9	EE_P_129	Arun Singh Kashmir and Arpit Khandelwal	Thermal Batteries: A Technology Review and Future Aspects
10	EE_P_132	Khushi Ram Meena and Er. Mohammad Asif Iqbal	Investigation and Implementation of an Intelligent PLC in Automation
11	EE_P_133	Minakshi Meena and Er. Mohammad Asif Iqbal	Various Causes, Effects and Prevention through Radiation Hazards while using Mobile Phones
12	EE_P_135	Neeraj Tiwari	Performance Analysis of Solar Cell Connected Boost Converter on SIMULINK
13	EE_P_142	Aditi Sharma and Krishankant Katara	OVERVIEW OF WIND FORECASTING
14	EE_P_143	Mayank Alaria, Prerna Singh and Virendra Sangtani	Recent Advancement in Organic Solar Cells and Comparison between Various Structure
15	EE_P_145	Deepti Meena and Charul Sharma	Multi Chip Module Technology
16	EE_P_177	Rupal Mittal	A Review Paper on The comparative Analysis of Various Mppt Strategies in a Grid Connected SPV plant
17	EE_P_199	Girdhari Sahu, Dr. Neeraj Tiwari, Hally Ranga and Dinesh Kumar Sharma	Problems Analysis and rectification of Electrical Wiring System
18	EE_P_229	Nakul Yadavendra and Mohammad Rafe Ali	Designing and fabrication of double acting hacksaw machine
19	EE_P_245	Akash Solanki, Ankit Soni, Deepak Jain and Dev Upadhyay	Smart Exhaust for Medical and Chemcal Industry
20	EE_P_247	Pranjul Singh	ONLINE MONITORING PLATFORM FOR TRANSMISSION LINE IN SMART GRID
21	EE_P-249	Shilpi Karadia	Review on Super Capacitor-Battery based Hybrid Energy Storage system

			Application
22	EE_P-251	Suneha Singh	REGIONAL POWER GRID OPERATION WITH EVALUTION AND WARNING SYSTEM
23	EE_P_253	Divya Rastogi, Abhishek Kumawat, Deepak Nolkya, Ajayraj Meena, Dipesh Aloria and Mohit Chodhary	Solution for improved technological system for dust catching in mini cement plant
24	EE_P_271	Ravi Nareda, Rinit Sharma, Rohit Maru, Vaibhav Dewat and Dinesh Sharma	Minimizing Penalty By Engaging APFC Unit For Industries
25	EE_P_272	Guru Prasad Jonwal, Hari Singh, Suneha Singh, Pranjul Singh, Shilpi Karadia and Mayank Pandya	Automatic Bottle Filling Using PLC
26	EE_P_273	Akash Gaur, Anurag Suthar, Ashu Tiwariand Ramakant Gurjar	Four Quadrant Speed Control Of DC Motor with Microcontroller
27	EE_P_274	Dilip Prajapati, Arun Garg and Chandrakant Sharma	Solar Dryer for Food Preservation
28	EE_P_275	Amardeep Sharma and Amit Kumar Meena	PWM based speed control of DC Motor using Microcontroller
29	EE_P_276	Vishank Beel, Shivam Pareek, Rajat Goyal, Rajesh Saini and Brijraj Singh	A Theoretical Model of GPS & GSM Network Based Vehicle Tracking System
30	EE_P_278	Divyesh Shringi, Ajay Kumar Tailor and Devansh Prajapati	"Microcontroller Based Solar Tracking System"
31	EE_M_279	Arpita Biwal, Harshita Garg and Gaurav Meena	Railway Track Security System using GSM Technology
32	EE_M_280	Vijay Singh, Rohit Malav, Udit Kumar, Mayank Mathur and Ankita Bhatia	Prepaid Energy Meter using Microcontroller
33	EE_P_281	Hari Singh and Pankaj Gakhar	Power Quality Improvement in Grid-Connected Photovoltaic Systems
34	EE_P_284	Shivam Paneri and Ravi Kumar Pandey	Improvisation in VAWT
35	EE_P_285	Vipin Kumar, Devendra Doda and Pankaj Gakhar	Comprehensive investigation on Wind-solar Hybrid Generating Control Strategy
36	EE_P_286	Sushil Choudhary, Pankaj Gakhar and Amit Srivastava	A Review on Power Quality Improvement in Solar Photovoltaic Applications
37	EE_P_288	Mohammed Anas Khan and	Carbo

		Mayank Pachauri	
38	EE_P_289	Vaibhav Badaya and Dr.Himani Goyal	Need of reactive power compensation
39	EE_P_290	Vipin Chopra, Mahesh Meena and Pankaj Gakhar	Modified setting of overcurrent protection for distribution feeder with distribution generation
40	EE_P_292	Saurabh Keshri, Shinu Kundu and Srishti Bansal	A REVIEW OF HYBRID SOLAR PV AND WIND ENERGY SYSTEM
41	EE_P_293	Vijay Singh, Pankaj Gakhar and Mahesh Meena	DISTRIBUTED OPTIMAL ACTIVE POWER CONTROL OF MULTIPLE GENERATION SYSTEMS
42	EE_P_294	Mayank Mathur, Devendra Doda and Pankaj Gakhar	PRODUCING ELECTRICITY FROM GEOTHERMAL ENERGY
43	EE_P_295	Vipul Garg and Pankaj Gakhar	A Review Paper on Charging Strategies Used In Lithium-Polymer Batteries
44	EE-P_297	Shivangi Bhagasra and Pankaj Gakhar	Review on Effects Caused by Voltage Sag on Transmission Line Performance and Their Mitigation Strategie
45	EE_P_303	Vinod Yadav	Future electrical energy challenges
46	EE_P_304	Rakesh Choudhary, Devendra Doda and Pankaj Gakhar	EVOLUTION OF MICROBIAL CELL FOR WASTE WATER TREATMENT
47	EE_P_305	Udit Kumar, Himani Goyal and Md. Asif Iqbal	Study on Loss Allocation of Power Distribution Network with Distributed Generation
48	EE_-P_306	Prashant Kala and Himani Goyal	Load Forecasting Techniques and Methodologies
49	EE_P_308	Vivek Malik	Reactive power compensation techniques in Transmission line
50	EE_P_309	Dagur Krishna Shivsingh, Harmanjot Singh and Abhinav Vijay	Studies of Single Axis Elevated Solar Tracking System- At Different Angle Implemented
51	EE_P_311	Vivek Malik and Dr. Himani Goyal Sharma	Reactive power compensation techniques in Transmission lines
52	EE_P_312	Hariom Sharma and Babita Jain	Overview of Electric and Hybrid Vehicles
53	EE_P_313	Ranjit Singh Solanki and Gaurav Shrivastav	Quantum simulations of hole transport in Si, Ge, SiGe and GaAs

			orientation and strain effects
54	EE_P_314	Ronak Meena and Dr. Deepika Chauhan	Renewable Biomass Energy
55	EE_P_315	Gaurav Choudhary and Himani Goyal	Hybrid energy storage systems for renewable energy applications
56	EE_P_316	Durlabh Chand Garg and Devendra Doda	A REVIEW PAPER ON STUDY OF PYROLYSIS AND GASIFICATION PROCESS
57	EE_P_319	Anurag Suthar, Himani Goyal and Pankaj Gakhar	Optimal Interconnection Device for Distributed Energy Resources
58	EE_P_320	Raj Mohan Jha, Rahul Sharma and Arpit Khandelwal	A Review paper on Application of Power Line Communication in Smart Power Consumption
59	EE_P_323	Sanjay Nagar, Mahesh Meena and Pankaj Gakhar	design economics of ehv power lines
60	EE_P_325	Vipin Kumar, Vipin Chopra, Satin Kumar Meena, Shipra Sharma and Babita Jain	Automatic solar Street Light Control System Using IR Sensor Networks for Smart city
61	EE_P_327	Archit Bhargava, Girdhari Sahu, Devendra Singh and Rachna Gera	Relative Analysis of Pattern Recognition Methods
62	EE_P_330	Sourabh Tanwar, Devendar Doda and Pankaj Gakhar	Development of Effective Solar Energy System for Space Satellite
63	EE_P_331	Prerit Arora	study and classification of solar cell
64	EE_P_332	Govind Krishan Tiwari, Amardeep Sharma and Devendra Doda	Modelling of Decentralized Energy Supply Structures with "System Dynamics"
65	EE_P_335	Suraj Singh Rajawat, Mayank Sharma and Pankaj Gakhar	INTELLIGENT CONTROL OF ELECTRICAL DRIVE SYSTEM
66	EE_P_336	Ravi Patidar, Arpit Khandelwal and Pankaj Gakhar	electric power system with reactive power compensation scheme
67	EE_P_338	Amit Kumar Meena, Gaurav Mahawar and Tarun Varshney	Application Of Optimization Techniques In Solar Photovoltaic Framework
68	EE_P_339	Arun Jalwaniya and Devendra Doda	Economic Analysis of Biomass Gasifier Projects for Decentralized Power supply in India
69	EE_P_340	Shipra Sharma	Differ appl

			security of iot
70	EE_P_341	Poornima Dandotia and Amit Srivastava	The Energy Storage System with Supercapacitor
71	EE_P_343	Lakhan Lal Gurjar and Dr. Himani Goyal	A survey on transmission and distribution losses
72	EE_P_344	Ankit Panwar, Anurag Choudhary and Mahesh Meena	Current Situation and Development of Power System Simulation Technologies
73	EE_P_347	Gaurav Choudhary and Dr.Himani Goyal	Hybrid energy storage system of supercapicitor and battery
74	EE_P_352	Shyam Endra and Amit Shrivastava	A SURVEY ON BIODIESEL PRODUCTION IN INDIA
75	EE_P_353	Pulkit Agrawal	basic requirement and challenges to establish power plant
76	EE_P_355	Manmohan Saini	"POWER QUALITY ISSUES AND ITS IMPROVEMENT IN WIND ENERGY GENERATION SYSTEM"
77	EE_P_357	Mayank Sharma	Comparison of various pv Technologies
78	EE_P_358	Mukul Sharma and Dr. Babita Jain	A Review on Self-Healing Smart Grid
79	EE_P_359	Pradeep Kumar Sharma	Improvement of Solar Panel Efficiency Using Different Method
80	EE_P_367	Abhishek Pratap Singh and Gaurav Srivastava	COMPARATIVE STUDY OF DIFFERENT KINDS OF TRACTION MOTOR
81	EE_P_368	Charvi Sharma	Solar cells
82	EE_P_370	Suvita Meena and Dr.Amit Shrivastava	Hybrid solar and wind power generation with grid interconnection system for improving power quality
83	EE_P_371	Devesh Gotan and Gaurav Srivastava	Comparative Analysis of Various HVDC Systems
84	EE_P_372	Himanshu Agarwal and Brijraj Singh Solanki	A REVIEW PAPER ON "OPTIMIZING THE PERFORMANCE OF ELECTRIC MOBILITY BY USING ULTRACAPACITORS AND BATTERIES"
85	EE_P_377	Trilok Parihar and Arpit Khandelwal	Energy management system
86	EE_P_378	Dheeraj Parihar and Gaurav	Requ...

S. No.	Paper ID	Author(s)	Paper Title
		Meena	load in a smart grid condition
87	EE_P_394	Rahul Verma, Rohitanshu Yogi	4-line ir (RC5) remote control automation
88	EE_P_395	Suchitra Singh	memristor
89	EE_P_397	Rahul Verma	Comparison of various harmonic filter techniques
90	EE_P_398	Lalit Kumar Sharma	Improvement efficiency of wind energy by using fluttering wind belt
91	EE_P_404	Guru Prasad Jonwal, Pankaj Gakhar, Rachna Gera	Design of a bi-directional buck-boost converter module of high frequency and high efficiency for a 10KVA or 20KVA Solid State Transformer (SST)
92	EE_P_405	Krati Haldiya	new technologies for fault detection in underground cables
93	EE_P_412	Akash Gaur, Mahesh Meena	Green Power Generation Technology for Distributed Power Supply
94	EE_P_416	Dixit Parihar, Shailendra Srivastava	Paper Based Lithium - Ion Battery Using Graphene with Bacteria Power Paper Battery
95	EE_P_417	Rohitanshu Yogi	Power electronics converter
96	EE_P_418	Meena Abhishek Peetamchand	Advances in renewable energy sources

Track-4: Mechanical Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	ME_P_35	Harshita Bhatia, Piyush Sharma and Shailendra Kasera	A Review of Variable Refrigerant Flow Systems (VRF)
2	ME_P_67	Dr. Deepak Kumar and Naval Kishore Jain	Experimental Thermal investigation of PP-Marble composites
3	ME_P_73	Sudipt Sharma, Paramjeet Kumawat and Gaurav Kumar Badhotiya	Development of a Potato digger
4	ME_P_79	Amber Batwara, Rekha Nair and Sumer Yadav	Applications of Nano composite for Purification and Wastewater Treatment – A Compression Study
5	ME_P_91	Adhaar Saxena, Abhishek Singh Hada, Itee Soni, Bhavana Addania and Anila Dhingra	AN OVERVIEW OF MEDICAL USES OF NANOTECHNOLOGY
6	ME_P_115	Ashwani Sharma and	Impact Of NPC In Solar Photo

		Mohammmed Asif Iqbal	Voltaic Module
7	ME_P_120	Lakshya Sapra, Prakhar Tolambia, Lekha Tiwari and Asha Kumawat	Evaluation of performance and vibration analysis of annular disc by using finite element method
8	ME_P_125	Akash Singh, Waqar Qureshi, Divyansh Kumar and Pulkit Gautam	DESIGN, ANALYSIS AND FABRICATION OF GO-KART
9	ME_P_130	Aman Jain and Kalpit Jain	Soft Exosuit-A Review
10	ME_P_149	Gourav Jangid, Kritika Agarwal and Ashwani Kapoor	Scenario of Robotics in Indian Defence
11	ME_P_154	Piyush Rathor, Ravindra Singh Dabi, Naman Maharishi, Rishik Nagar and Sagar Kumar	AIR COOLER CUM HEATER
12	ME_P_161	Gourav Kumar Chauhan, Durgesh Shukla, Gourav Bairwa and Shailendra Kasera	A REVIEW PAPER ON ALTERNATIVE REFRIGERANTS
13	ME_P_164	Jaideep Gehlot, Dheeraj Dhabi, Yogesh Mishra and Abhay Choudhary	REVIEW PAPER ON PAKA-YOKE
14	ME_P_165	Akshay Khandelwal, Ahsan Akhtar, Durgesh Meena, Aashish Prajapat, Mayank Gupta and Avnish Kumar Singh	solar operated stering wheel chair
15	ME_P_174	Umesh Sahu, Vikram Yadav, Shankar Lal Kumawat, Tejaswi Kumawat, Saurabh Parashar and Satyam Bhandari	COMPRESSED AIR DRIVEN ENGINE
16	ME_P_175	Pulkit Gaur and Nikhil Sindal	Hayagriva- The hybrid Vechile
17	ME_P_181	Mayank Pachauri and Kalpit Jain	Study of Compression Moulding Methodology and it's Systematic Procedure of Implementation-Review
18	ME_P_188	Vinayak Rau Pandey, Tanuj Saini, Vishal Kumar Kumawat and Yogesh Mishra	A Review Paper on Web Mining by the use of Web Analytics
19	ME_P_190	Narendra Trivedi, Shakir Khan, Rohit Jangid, Sumit Prajapat, Siddharth Ghai, Piyush Sharma and Dr.Yashpal Kaushik	Pipe Bending Machine
20	ME_P_192	Devendra Singh Rathore, Govind Singh Chundawat, Mukesh Kumar Choudhary, Mohit Mahawar and Praveen Kumar Tyagi	Generation of bio-gas from kitchen waste(solid waste management)
21	ME_P_193	Naman Bansal, Bhagchand	Waste heat recovary

S. No.	Paper ID	Author(s)	Paper Title
		Kumawat, Umesh Suman and Kundan Kumar	vapour compression and absorption system (cascade system)
22	ME_P_196	Buddhi Panwar, Naval Kishore Jain, Prashant Mishra and Rahul Meena	Role of Alloying Elements on Mechanical Properties of Aluminium Alloy
23	ME_P_197	Shubham Kumawat, Vinay Vashishtha, Vijay Singh Pooniya and Archit Pareek	REGENERATIVE BRAKING SYSTEM FOR ELECTRIC VEHICLES
24	ME_P_233	Gaurav Kumar, Mohit Kumar Sharma, Hanuman Parmar, Quaisar Raja and Kuldeep Singh Chauhan	vapour absorbtion chiller
25	ME_P_234	Mahesh Kumar, Lokesh Jangid, Kamlesh Jangid, Khushpal Parihar, Md. Faquish Saquib, Ashish Kumar and Banty Patidar	Vapour condenser (based on vapour absorption cycle)
26	ME_P_241	Sudhir Kumar Pathak, Suyash Dwivedi, Sunny Jain, Vikas Jain, Vinod Saini and Ravi Kashyap	Plastic problem and its solution
27	ME_P_242	Ujjwal Gautam, Ravindra Singh Dohat, Vikrant Singh and Saurabh Dixit	Motor driven cnc machine
28	ME_P_246	Vikas Kumar, Siddhant Singh, Suraj Meena and Wakar Mujtaba	sensor based fuel indication system
29	ME_P_248	Ayush Joshi, Ashutosh Joshi, Lakshya Kumar Khatri and Dhananjay Kumar	Wireless staring with intelligent vehicle
30	ME_P_254	Shashank Kumar, Tarun Sharma and Sumit Singh	Solar Power Auto Irrigation System
31	ME_P_259	Raja Agrawal, Ashwani Kapoor and Simran Thind	To improve work force productivity in Cabin assembly using Maynard Operation Sequential Technique (MOST)
32	ME_P_260	Maviya Khan, Ayush Raj, Ayush Guleria, Divya Mahala and Shyam Singh Rajaprohit	Go Kart
33	ME_P_261	Goutam Singh, Dushyant Saini, Mragank Mishra, Bhavesh Galav and Simran Mahala	Unmanned Aerial Vehicle
34	ME_P_322	Jai Deep and Indar Jeet	Aired Powered Vehicle
35	ME_P_421	Mohit Bansal, Pravin Pushkar	Hyperloop transportation system

Track-5: Civil Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	CIV_P_12	Vedanshu Vashistha, Dr.	Analysis of...

		Rekha Nair And Aryan Jha	Quality of Delhi and NCR and Its Impact on Human Health
2	CIV_P_32	Prakshi Agrawal And Shazia Haque	A Review On Crop Selection Using Machine Learning
3	CIV_P_60	Sanjay Singh And Anurika Mehta	BIO MEDICAL WASTE MANAGEMENT - A REVIEW
4	CIV_P_354	Balwan ., Rajat Sharma, Rahul Kumawat And Rajesh Manda	A Review on Effects of Waste Ceramics and Fiber Metal on Concrete Pavement- A comprehensive review
5	CIV_P_362	Bharati Bharati And Himanshu Agarwal	Utilization of Polyethylene Plastic waste in brick
6	CIV_P_363	Shashank Shukla, Bhumika Barodia And Rishiraj Meena	soil properties investigation
7	CIV_P_364	Jaiwardhan Deora, Bhumika Jain, Faisal Ali Khan, Aditi Bansal And Jitendra Kumar	Stabilization of Black Cotton soil by using Fly ash and Calcium Chloride
8	CIV_P_365	Nishant Jangid, Kishan Kumar, Manjeet Kumar And Prince Gupta	Treatment of water
9	CIV_P_366	Akash Sharma, Hariom Upadhyay, Ishteyaque Ahmad, Akshay Chauhan And Shruti Bhargava	Review Paper on Waste Industrial Material Used in Concrete
10	CIV_P_374	Ravi Sahu, Sandesh Kumar Agarwal, Shailendra Kumawat And Balwan Sheshma	Partially replacement of fine aggregate using sandstone mining waste in concrete - A comprehensive review
11	CIV_P_375	Pritesh Agrawal, Om Prakash -, Lalit Kumar Taylor And Rahul Singh Kharra	A Review on Stabilization of Bentonite Soil using different waste with the Betterment of Nature and Mankind
12	CIV_P_376	Pritesh Agrawal	A Review on Stabilization of Bentonite Soil using different waste with the Betterment of Nature and Mankind
13	CIV_P_379	Shanker Prasad Mishra, Ran Raj Meena, Raja Sahu And Prashant Sharma	A Review paper on a comparative study on mechanical properties of concrete containing of concrete glass fiber and polypropylene
14	CIV_P_380	Shanker Prasad Mishra And Pradeep Kumar Khanwani	Design of Wind Energy Structure
15	CIV_P_381	Prakash Kumar Solanki, Jatin Kanwat, Pawan Goyal, Kamlesh Gaurana And Balwan Sheshma	Study of mechanical properties of concrete with partial replacement of fine aggregate by PET Bottle Waste
16	CIV_P_390	Shruti Bhargava, Devashray	utilization of industrial waste water after recycling
17	CIV_P_391	Madhav Rathi, Sourabh Goliyan	USE OF WASTE IN BITUMEN
18	CIV_P_39	Yash Yadav, Vipin Jangir,	Sustainable Use of W

	2	Akul Jaiswal	Materials in Pavement Quality Concrete
19	CIV_P_402	Pragya Nagar, Manoj Borana, Pankaj Kumar, Rahul Kumar	Analytical study of Stabilisation of expansive soils
20	CIV_P_406	Vijay Singh Meena, Sanjay Singh Siradhana,Ritesh Kumar Meena,Shubham Meena	an investigation on effect of ultrasound waves on sludge treatment

Model Index

Track-1: Computer Engineering / Information Technology

S. No.	Model ID	Author(s)	Model Name
1	CS_M_23	Vijaya Nandwana and Shazia Haque	A Review On Big Data Analysis In Cloud Environment Using Apache Hadoop
2	CS_M_36	Mahima Godara, Apurva Jain and Kritika Dhakar	Iot Based Paralyzed Patient Health Care System - "Doot"
3	CS_M_37	Yash Sharma, Sachin Tak, Piyush Gupta and Varun Prakash	Smart Dustbin
4	CS_M_39	Saloni Gupta and Pradeep Natani	Review On Text Categorization Using KNN Algorithm
5	CS_M_42	Rishi Shukla and Roshan Sharma	Motion Detector Using PIR Sensor
6	CS_M_43	Yuvraj Singh, Ujjwal Singh, Suryansh Tak and Nikhil Bohra	Person Counter
7	CS_M_48	Sunny Kumar, Rohit Bansal and Pawan Saini	Temperature And Humidity Sensor
8	CS_M_49	Kush Kumar and Krishan Kant	Home Security System
9	CS_M_59	Prabhav Jain and Siddharth Jain	Blood_Donor
10	CS_M_71	Kritika Agarwal, Jatin Jain, Vaibhav Mahawar and Balvinder Singh	A Voice Controlled Writer "Saksham"
11	CS_M_72	Salman Khan, Sanyam Mathur and Disha Agarwal	Advance Farming Solution
12	CS_M_74	Pushkar Jat, Shivangi Sharma, Pragya Yadav and Pritam Singh	Home Automation
13	CS_M_77	Jagrati Katariya, Divyansh Pachauri and Bhumika .	Object Detection Based Lingos
14	CS_M_78	Ayush Prashant	Plant Disease Detection With Deep Learning
15	CS_M_82	Hitesh Gupta, Ashutosh Malik and Ankit Agarwal	Smart Parking System Using Iot
16	CS_M_83	Kapila Jain, Kritika Sharma	Loan Risk Prediction

		and Dipti Singh	Transaction Information
17	CS_M_84	Deepanshu Rawat, Ashish Mishra and Arpit Gupta	Server Automation
18	CS_M_85	Akash Jain, Anubhav Gupta and Devank Pathak	Student Enquiry Chatbot
19	CS_M_87	Vishnu Bochiwal and Shubham Kabra	Human Body Measurement App For Custom Cloths Fitting
20	CS_M_88	Priti Singh, Usha Gupta and Palak Singhal	Mail Now
21	CS_M_89	Aadhar Bhatt, Komal Maheshwari and Gaurav Gupta	Text Anonymization For Sensitive Data
22	CS_M_92	Ayush Goel, Deeksha Nagar and Aayushi Jain	Brain Bytes
23	CS_M_93	Aditya Sharma	Mobicloud
24	CS_M_94	Vipul Gupta, Satyam Mittal and Vimal Sain	I-Test(Online Examination System)
25	CS_M_102	Vaishali Mahour, Nitisha Jain and Sakshi Parasar	Step Into Fitness
26	CS_M_148	Gargi Jain, Dipesh Pawar and Mohammed Junaid Khan	Smart Blind Stick
27	CS_M_156	Harshita Gupta	Model On Book My Event
28	CS_M_159	Aman Agrawal	Model On Online Food Ordering Systems
29	CS_M_160	Hanish Pachori	Big Data Analytics In Healthcare
30	CS_M_162	Poonam Verma, Prachita Luhadiya and Naman Shrimali	Air Quality Index Forecasting
31	CS_M_163	Shivangi Ganeriwal, Vaishali Trivedi, Ankur Sihag and Prashant Chaudhary	Communicate With Arduino Through Android
32	CS_M_172	Abhishek Choudhary, Abhishek Kumar Yadav and Abhishek Modi	Alcohol Sensing Alert With Engine Locking System
33	CS_M_183	Mayank Pachauri, Lovelesh Malav, Ashutosh Sharma, Bhupendra Saini, Jaideep Gehalot and Mohammed Anas Khan	Solar Based Wheel Chair
34	CS_M_186	Mahipal Singh, Abhay Singh, Dheeraj Kumar Dabhi and Aaquib Heyat	Design And Development Of Wheel Chair Cum Stratchair
35	CS_M_187	Rohit Dhakar, Sidharth Kulshreshtha, Yash Pratap Singh Chauhan and Kalpit Mudgal	Hand Gesture Voice Control
36	CS_M_207	Vibhor Rajawat	Extending Capability Of Air Drones In Military
37	CS_M_208	Shreya Mathur	Silent Sound Technology
38	CS_M_209	Akriti Singh	Backup Techniques On Oracle Database

39	CS_M_218	Vandana Kanojiya	Software Based On SALESFORCE.COM
40	CS_M_226	Esha Gupta, Mradul Nagpal, Vikas Dhanda, Tej Singh Chauhan and Vandana Soni	Mobile And Laptop Charging On Coin Insertion Using Arduino
41	CS_M_240	Ishaan Kumawat, Vivek Sharma and Gaurav Sharma	Poka Yoke
42	CS_M_244	Rahul Rajora, Pritam Sen, Prashant Gocher, Pradeep Kumar and Manish Navriya	Automatic Floor Cleaning Robot
43	CS_M_266	Prachita Luhadiya	Website Development Optimization Using Xampp/PHP
44	CS_M_270	Chirag Dixit, Arun Jalwaniya and Archit Bhargava	RF Based Home Automation System
45	CS_M_277	Anil Jain, Aakansha Prajapati and Akhil Vijay	Digital Dustbin Using GSM
46	CS_M_348	Pradeep Suthar and Pratik Chouhan	Coffee Cafe System
47	CS_M_349	Sanju Solanki and Vinny Banshiwal	E-Mail Spam Filtering Using Machine Learning
48	CS_M_407	Abhinav Sharma, Manish Kumar Sharma	Neural Conversational Model using End to End Memory Networks
49	CS_M_414	Kartikeya Bhatia, Piyush Agarwal, Raja Agrawal	Precision farming

Track-2: Electronics & Communication Engineering

S. No.	Model ID	Author(s)	Model Name
1	EC_M_61	Shubham Singhal, Saloni Jaju, Sanjay Chouhan, Tanay Purohit and Praveen Dudi	RFID Based School Bus Students Monitoring System
2	EC_M_62	Shaily Agarwal, Sakshi Srivastava, Roshan Singh, Sheetal Shukla and Rohit Sharma	Smart Dustbin
3	EC_M_64	Mrinal Tyagi, Ayush Sharma, Bhuvnesh Goyal, Gaurav Sharma and Chinmay Jain	Curative Assistance System
4	EC_M_65	Prachi Shah, Aadesh Sharma, Karan Kumawat, Miral Minda and Prachi Jain	Iot Based Appliance Monitoring And Control System
5	EC_M_76	Ankit Mandowara, Arvind Singh, Dhruv Trivedi, Aman Sharma and Amit Yadav	Solar Car
6	EC_M_86	Rajat Dey	Drowsiness Detection System
7	EC_M_90	Pratibha Agrawal and Megha Simlote	Model On Attendance Management System
8	EC_M_95	Himanshu Kumar Sharma, Ayushi Avasthi and Kritika Tiwari	Fake Currency Detector

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

9	EC_M_98	Manisha Kumawat, Kunal Chaudhary, Jalaj Punjani, Neha Jhamb and Neha Chouhan	Smart Power Grid Management System
10	EC_M_99	Gaurav Gupta, Naveen Kumawat, Ayush Agarwal, Pankaj Khangarot, Nishi Nenwani and Aditi Choudhary	"Hobs-A Humanoid Robot"
11	EC_M_10 4	Lakshit Jain, Manthan Sharma, Kishan Prajapati and Chirag Goyal	Automatic Medicine Vending Machine
12	EC_M_10 5	Ayushi Parashar, Divya Kumari, Ishika Shaktawat and Garima Jain	Fire Fighting Robot
13	EC_M_10 7	Parth Kamra, Vinay Pokharna, Visheshta Gautam, Yathansh Arora and Nikita Jeph	Gesture Vocalizer
14	EC_M_10 9	Smriti Anand, Sakshi Kumari and Shashikant Dubey	Advance Military Spying Sonar Radar System Using Arduino And Ultrasonic Sensor
15	EC_M_11 0	Ansh Munjal, Ankita Soni, Kumar Saurav and Anamika Tiwari	Path Tracker Using Arduino Pro Mini Made For Blinds
16	EC_M_11 1	Shruti Guin, Rishab Agarwal, Prithviraj Kashyap and Sapana Mahawar	Smart Receptionist With Smart Lock System
17	EC_M_11 4	Ritika Saini, Ruchika Sharma, Ram Kinkar Das Triphati and Pushkar Raj Panday	Automation Of Ambulance
18	EC_M_12 1	Ravi Kumar, Pankaj Kumar Sharma, Piyush Shekhawat, Paramveer Singh and Ritwik Bhowmick	Spy Robot
19	EC_M_12 2	Shubham Singh, Suresh Bhati, Vaibhav Singh and Suchitra Singh	Voice Control Home Automation Using Arduino
20	EC_M_12 3	Lokendra Singh Rathore, Himanshu Mathur, Abhishek Soni and Ankush Goyal	Digital Sensor Based Home Automation
21	EC_M_12 6	Shivendu Vashishtha, Supriya Prasad, Shreya Bhardwaj and Prachi Bhura	Electronic Voting Machine Using Raspberry Pi
22	EC_M_13 7	Bharti Meena, Charvi Sharma, Aditi Gupta and Kiran Kumari	Arduino Weather Station
23	EC_M_13 8	Anit Srivastava, Prateek Lakshkar, Mohit Maheswari and Mohit Yadav	Radar Security System
24	EC_M_15	Abhishek Gaur, Amit	Speaking System For

S. No.	Model ID	Author(s)	Model Name
	8	Sharma, Abhishek Sharma, Abhinav Naveen and Abhinav Saxena	People Using Hand Gestures
25	EC_M_166	Deepti Pundir, Diksha Buntolia, Gunjan Bansal and Binay Pratap	5G
26	EC_M_168	Naman Jain, Mukesh Kumawat and Nikhil Agarawal	Military Eye
27	EC_M_169	Naman Jain, Mukesh Kumawat, Nikhil Agarawal and Rahul Pareek	Military Eye Robot
28	EC_M_171	Abhishek Gautam, Dhananjay Shukla, Aadish Khan and Jenish Kumawat	Advance Atm Security
29	EC_M_182	Ms Yashika Arora, Priyanka Ghosh, Chetan Swami and Devendra Sharma	Smart Restaurant System
30	EC_M_184	Sakshi Sharma, Shivani Trivedi, Saloni Kumari and Vikash Kushwaha	Automatic Wheelchair
31	EC_M_189	Khushboo Chhabra, Jyoti Singh, Himanshu Saini and Nilesh Devra	Smart Energy Meter Using GSM
32	EC_M_205	Ashish Garg, Brijesh Saini, Ayush Shringi and Amit Singh Rajawat	No-Load And Overload Protector For AC Motor
33	EC_M_237	Rupesh Kumar Prasad, Sonu Kumar, Santosh Kumar and Shailesh Kumar	Smart City Road Transportation
34	EC_M_238	Ishrat Khan, Kaushal Kumar and Ekta Srivastava	Light-Fidelity
35	EC_M_298	Aditya Deep and Anikesh Jee	Iot Home Automation
36	EC_M_300	Puneet Sharma, Pravin Solanki, Rohit Sharma and Prahlad Singh	IOT Based Weather Forecasting
37	EC_M_307	Urvika Sharma, Vaishali Sharma and Vinay Jangid	Noodle: A Crowd Sourced Robot
38	EC_P_310	Nikhil Bhankher and Shivali Panwar	Air Pollution Measurement And Assessment Using IOT

Track-3: Electrical Engineering

S. No.	Model ID	Author(s)	Model Name
1	EE_M_202	Abhishek Diggiwal, Akshay Dayma and Pranav Kumar Mishra	Closed Loop Speed Control Of DC Motor Using Arduino
2	EE_M_203	Ajay Nagar, Ajay Meena and Amit Kumar Sharma	Plc Based Automatic Car Washing System
3	EE_M_20	Abhishek Saini, Abhishek	Three Phase Fault Detector With

	6	Pratap Singh, Bharat Ratan Pratap and Akshit Jain	Auto Reset On Temporary Fault
4	EE_M_21 1	Harmanjot Singh, Arun Singh Kashmir and Dheeraj Parihar	Micro Controller Based Wireless Matchbox With Lantern
5	EE_M_21 2	Arun Kumar Bairwa, Ashish Dhakar and Avnish Kumar	Regeneration Of Electric Power By Using Ceiling Fan
6	EE_M_21 7	Khushi Ram Meena, Minakshi Meena, Keshav Kumar, Kusum Meena and Arpit Khandelwal	Minimising Penalty In Industrial Power Consumption By Engaging Apfc Unit
7	EE_M_22 3	Charul Sharma, Deepti Meena and Harshit Arora	APFC (Automatic Power Factor Compensation) For Industrial Power Use To Minimize Penalty
8	EE_M_22 4	Rajat Agrawal, Kartikeya Bhatia and Piyush Agrawal	Precision Farming
9	EE_M_23 5	Gupta Surbhi, Ajay Singh Meena and Aditi Sharma	Smart Solar Grass Cutter With Lawn Coverage
10	EE_M_23 9	Trisha Gupta and Jitendra Chandani	Ultrasonic Motor
11	EE_M_26 7	Hritvik Tripathi and Jagdish Sonal	Gsm Based Energy Meter Billing Using Arduino
12	EE_M_26 8	Abhinav Vijay, Amit Kumawat and Anurag Choudhary	Two Way Communication Enable Smart Meter For Smart Grid
13	EE_M_26 9	Kuntal Verma, Karishma Kumari, Rajmohan Jha and Hrishab Kumar	Arduino Based Automatic Irrigation System With Message Alert
14	EE_M_28 2	Vaibhav Badaya, Vishal Meena, Lakhan Lal Gurjar and Lalit Kumar Sharma	Automatic Load Sharing Of Transformers By Using Microcontroller
15	EE_M_28 3	Shweta Gaur, Nehal Bansal, Krati Haldiya and Divyansh Bhati	Solar Tracker
16	EE_M_28 7	Prithvi Bhatt, Surjeet Singh Panwar, Sohil Ali and Udit Chouhan	Arduino Based Mppt Charge Controller
17	EE_M_29 1	Vivek Malik, Vinod Yadav, Trilok Parihar and Vikas Kumar	Speed Control Of Induction Motor Using Remote
18	EE_M_29 6	Manmohan Saini, Mukul Sharma, Mayank Sharma and Murari Mohan	Close Loop Control Of Brushless DC Motor
19	EE_M_30 1	Pradeep Kumar Sharma, Mahendra Banshiwal, Pulkit Agrawal and Vijay Kumar Sharma	Three Phase Fault Analysis With Auto Reset For Temporary Fault And Trip For Permanent Fault
20	EE_M_31 7	Ravi Gehlot, Shiv Kumar, Rakesh Choudhary and Vishal Agrawal	Power Meter Reader Plus Load Control Using Gsm
21	EE_M_31 8	Mayank Chimnani, Kapil Gupta, Nisha Meena,	Optin

S. No.	Model ID	Author(s)	Model Name
		Priyanka Nama, Krishna Kumar and Jobin Thomas	
22	EE_M_324	Gaurav Choudhary, Prashant Kala, Ronak Meena and Ranjit Singh Solanki	Gsm And Gps Based Vechicle Tracking System
23	EE_M_326	Sushil Choudhary, Sahil Garg, Sourabh Sharma, Sachin Meena and Mayank Sharma	Automatic Irrigation System With MSG Alert
24	EE_M_329	Sanjay Nagar, Suraj Rajawat, Ravi Patidar, Ravi Prajapat and Ankita Bhatia	Dtmf Based Home Automation
25	EE_M_333	Ritika Srivastava, Rupesh Bansal, Parth Sarthi and Sachin Sharma	Hvps 1kv
26	EE_M_345	Rupal Mittal, Roma Solanki, Sahil Thakur and Devendra Doda	Implementation Of Wind Charger On AC Applications
27	EE_M_400	Rajat Goyal, Dr. Babita Jain, Pankaj Gakhar	Persent scenario and technical review of smart grid in india
28	EE_M_403	Harshad Kalal	Biogas production process
29	EE_M_410	Shivam Pareek, Amit Shrivastava,Pankaj Gakhar	Grid interconnection of Renewable energy sources at distribution level with power quality improvement features
30	EE_M_411	Pawan Singh, Sandeep Kumar,Rohan Kumar Bohara,Pranjal Pal Jadaun	4-WAY CHARGING SOLAR POWERED ELECTRIC BICYCLE
31	EE_M_419	Rajesh Saini, Dr. Himani Goyal,Pankaj Gakhar	A Comparative analysis of protection schemes of power system.

Track-4: Mechanical Engineering

S. No.	Model ID	Author(s)	Model Name
1	ME_M_6	Deepak Sajnani, Chitranch Vijay, Ashok Samrat and Ashutosh Dashora	Cell Phone Controlled Robotic System
2	ME_M_100	Dhavesh Sharma, Dhananjay Kumar and Dr. Yashpal Kaushik	Review Of Electrochemical Machining
3	ME_M_101	Ajayraj Nirvan, Akash Kant and Abhinav Sharma	An Automated Smart Vehicle Monitoring System Using Anti-Collision
4	ME_M_139	Amit Kumar, Akshay Khatri, Harsh Choudhary, Abhishek Sarwate, Abhay Sharma, Kaushik Suthar, Bhomick Puri, Hritik Tholia, Manjeet Rawat, Md. Imtiyaz Alam,	Quad Bike

S. No.	Model ID	Author(s)	Model Name
		Divakar Upadhyay and Yogesh Mishra	
5	ME_M_141	Sanjeet Verma and Pushpendra Kumar	Review-Parameter Which Effect The Thermal Comfort Of Cabin In The Car
6	ME_M_150	Bhawani Shankar Sharma, Manish Jangid, Rakesh Kumar Beniwal, Saurabh Meena and Praveen Kumar Jangir	Monowheel
7	ME_M_167	Puneet Suthar, Mohit Mittal, Saket Verma, Sanjay Kumawat and Yuvraj Shrivastava	Bionic Hand : A 3D Printed EMG Based Prosthesis With Automatic Finger Actuation
8	ME_M_176	Shishir Kumar Rai	On Real Time Decision Making By Driverless City Vechile
9	ME_M_178	Bhanwar Anshuman Singh Rajawat, Ankul Gautam, Ajit Singh Rathore and Digvijay Singh Shakatawat	Voice Controlled Robot
10	ME_M_185	Sahil Gupta, Ritesh Agarwal, Prince Kumar Tirthani, Saurabh Sewaramani, Shubham Prajapat, Rishabh Pal and Sagar Kumar	Advanced Agro Machining
11	ME_M_194	Shubham Kumar, Ujjwal Priyadarshi, Naseem Reza, Virendra Singh Naruka, Prashant Mishra and Ranveer Singh	Hydraulic Forklift
12	ME_M_346	Puneet Kumawat, Puneet Kumawat and Puneet Kumawat	Safe House

Track-5: Civil Engineering

S. No.	Model ID	Author(s)	Model Name
1	CIV_M_63	Pranjal Rajoriya, Malika Muskan and Pavansut Meena	Waste To Best
2	CIV_M_136	Amit Mandal	A Review On Significance Of Small Scale Wind Turbines
3	CIV_M_321	Harshit Meena, Deepanjal Mathur, Samarth Sharma, Lokesh Kumar and Kunal Jani	Mask Free Air
4	CIV_M_350	Rittvik Parya, Gaurav Bhati, Sanjay Kumar, Abhishek Sharma, Sunil Manohar and Shailesh Meena	Rotating Bridge
5	CIV_M_351	Divyanshu Yadav, Saurabh Gunawat, Nanu Ram	Hydraulic Bridge

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

		Budaniyam, Kaushal Khichi, Rahul Parihar, Md Nehal and Murli Manohar Nagar	
6	CIV_M_356	Suman Saurav, Amar Kumar, Himanshu Yadav, Deependra Rajawat and Ravinder Singh	Rainproof Stadium
7	CIV_M_360	Ashok Poonia, Himmat Sangwa, Devesh Jangid, Anand Kumar and Manoj Kumar	Smart Irrigation

♦ VALEDICTORY SESSION:

Student Technical Paper&Model Contest
Technovation-2019
Valedictory Session
Saturday, 16th March 2019
Time:- 03:00 PM to 04:00 PM

Venue: CG-05, Seminar Hall, PCE

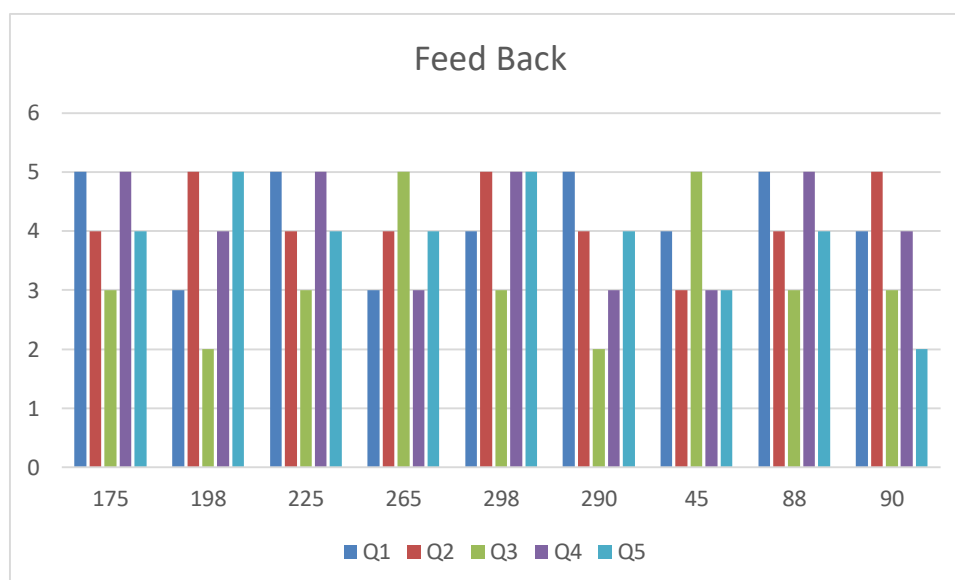| S. No.	Activities	Time	Faculties/Dignitaries
1	Seating of Faculties, Delegates & Participants	2:50 PM- 2:55 PM	
2	Arrival of Dignitaries	3:00 PM	
3	Welcome of Dignitaries ➤ Prof. R. P. Kashyap, Former Professor, MNIT, Jaipur **(Chief Guest)** ➤ Dr. Mahesh Bundele, Director & Principal, PCE ➤ Sh. Pankaj Dhemla, Vice Principal, PCE ➤ Dr. Rekha Nair, Convenor, Technovation ➤ Dr. Virendra Sangtani, Convenor, Technovation	3:00 PM-3:02 PM	
4	Lighting of Lamp by Dignitaries	3:02 PM -3:05 PM	All Dignitaries
5	Felicitation of Dignitaries by bouquet & mementoes	3:05 PM-3:10 PM	Prof. R. P. Kashyap by Dr. Mahesh Bundele
6	Report by Convener, Technovation	3:10 PM- 3:15 PM	Dr. Virendra Sangtani
7	Certificate & Prize Distribution	3:15 PM- 3.25 PM	All Dignitaries
8	Address by Vice Principal, PCE	3:25 PM -3:30 PM	Sh. Pankaj Dhemla
9	Address by Director & Principal, PCE	3:30 PM -3:35 PM	Dr. Mahesh Bundele
10	Introduction followed by Address by Chief Guest	3:35 PM-3:40PM	Prof. R. P. Kashyap
11	Feedback Session	3:40 PM- 3:45 PM	Participants
12	Vote of Thanks by Convener, Technovation	3:45 PM- 3:50 PM	Dr. Rekha Nair
13	Group Photograph	3:50 PM	Reception area

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

♦ **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?

.

♦ **BUDGET & ACTUALS:**

S. NO.	EXPENDITURE	AMOUNT
1	Paper Publication Fee	205000
2	Souvenir Print	40,000
3	Inaugural Expenditure	10,000
4	Other Expenditure	10000
5	Best Paper Awards	25000
Total Expenditure		290000