



POORNIMA

COLLEGE OF ENGINEERING

Approved by AICTE
Affiliated to Rajasthan Technical University, Kota
Recognized by UGC under Section 2(f) of the UGC Act, 1956

Technovation Sample Reports

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)

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POORNIMA
COLLEGE OF ENGINEERING

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

A REPORT ON 2-DAY 4TH NATIONAL LEVEL STUDENT TECHNICAL PAPER & MODEL CONTEST

♦ **TITLE AND DURATION:** 4th National Level Student Technical Paper & Model Contest, Jan 21-22, 2022.

♦ **PUBLISHER(S):** STM Journals, IGI GlobalTHEMES / 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 winners and recognize their best contributions.

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♦ **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 -2021-22, total 317 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 -2021-22 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 -2021-22 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 317 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.

♦ **INAUGURAL SESSION:**


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Organized by
Poornima College of Engineering, Jaipur



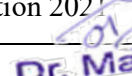
Date: 21 January 2022 Time: 10:00 AM to 11:00 AM

Venue: Online Platform (Microsoft Teams)

Inaugural Programme Outline

(Microsoft Team Link: <https://tinyurl.com/mt2apnfe>)

S. No.	Activity	Scheduled Time
1.	<p>Welcome of Dignitaries and Introduction of Event by anchors- Mr. Kuldeep Sharma & Dr. Sarveen Sachdeva</p> <ul style="list-style-type: none"> ● Padma Shri (Prof.) D. B. Phatak, Emeritus Professor, Computer Science & Engineering, IIT Bombay (Chief Guest) ● Dr. Mahesh Bunde, Director & Principal, PCE ● Mr. Pankaj Dhemla, Vice Principal, PCE ● Ar. Rahul Singhi, Director, Poornima Group ● Dr. Rekha Nair, Convener, Technovation 2021 ● Dr. Surendra Kumar Yadav, HOD, CSE, PCE ● Mr. Amol Saxena, HOD, IT, PCE ● Dr. Garima Mathur, HOD, EC, PCE ● Dr. Pravin Sonwane, HOD, EE, PCE ● Dr. Narayan Lal Jain, HOD, ME, PCE ● Dr. Pran Dadhich, HOD, CIV, PCE ● Mr. Shailendra Kasera, HOD, I Year, PCE 	10:00 AM - 10:02 AM
2.	Ganesh Vandana (Virtual)	10:02 AM - 10:03 AM
3.	Welcome of Chief Guest, Padma Shri (Prof.) D. B. Phatak , Emeritus Professor, Computer Science & Engineering, IIT Bombay by Dr. Mahesh Bunde, Principal & Director, PCE with virtual Bouquet & Memento.	10:03 AM - 10:05 AM
4.	About the Event by Dr. Rekha Nair , Convener, Technovation 2021	10:05 AM - 10:10 AM
5.	Release of Souvenir- Technovation 2021 by the Guests	10:10 AM - 10:15 AM
6.	Address by Mr. Rahul Singhi, Director, Poornima Group	10:15 AM - 10:20 AM


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 10:20 AM

7.	Address by Dr. Mahesh Bunde , Director & Principal, Poornima College of Engineering	10:20 AM - 10:25 AM
8.	Introduction of Chief Guest, Padma Shri (Prof.) D. B. Phatak , Emeritus Professor, Computer Science & Engineering, IIT Bombay & Inaugural Address by the Chief Guest	10:25 AM - 10:45 AM
9.	Vote of Thanks by Mr. Pankaj Dhemla, Vice Principal, PCE	10:45 AM - 10:50 AM
10.	Group Photograph	10:50 AM - 10:55 A M

♦ 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.

Patron:

- 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.

General Chair:

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

Organizing Chair:

- 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


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- 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, OndokuzMayis College of Engineering, Turkey
- Dr. SureswaranRamadass, 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, GoceDelcev 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 Group, 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, India
- 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

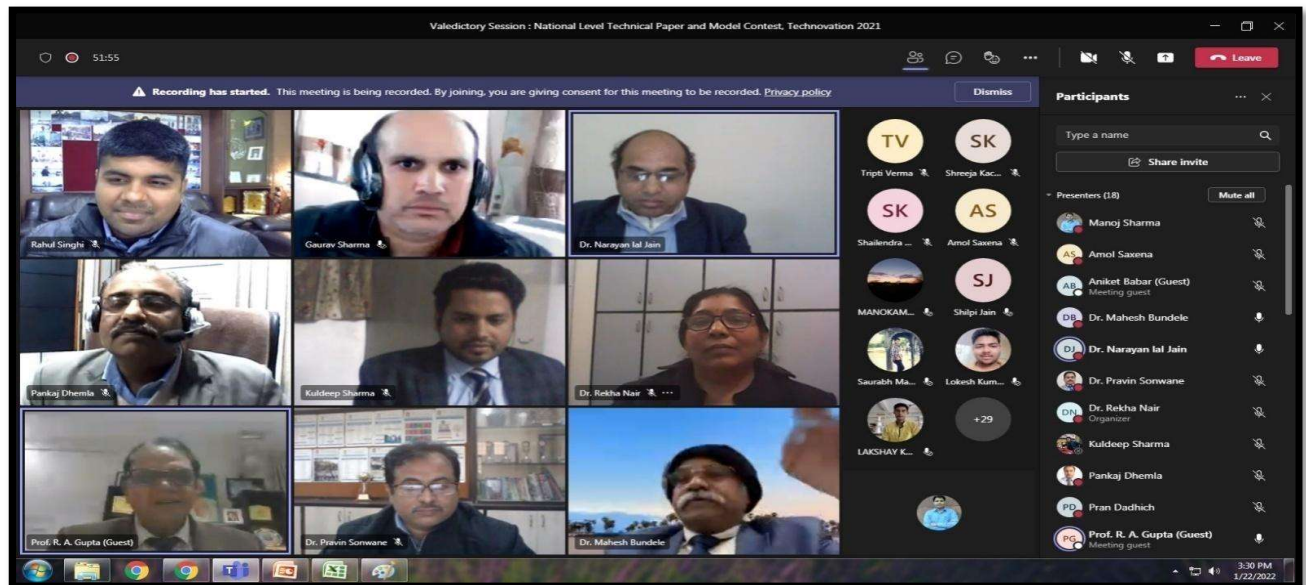
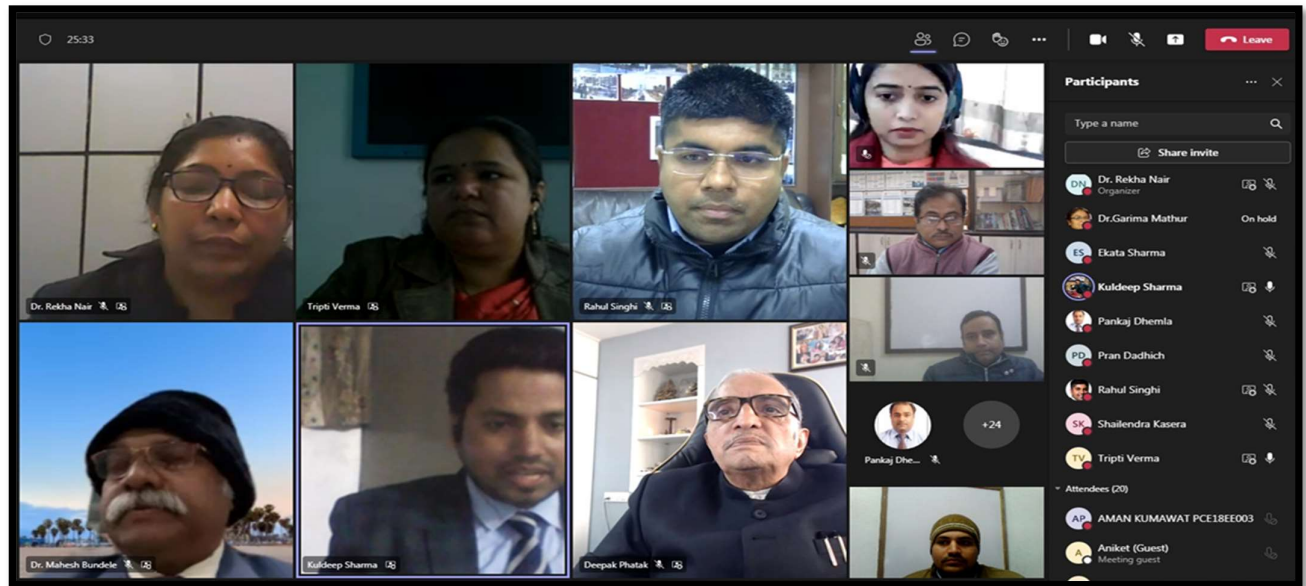

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♦ GLIMPSES OF PRESENTATIONS:

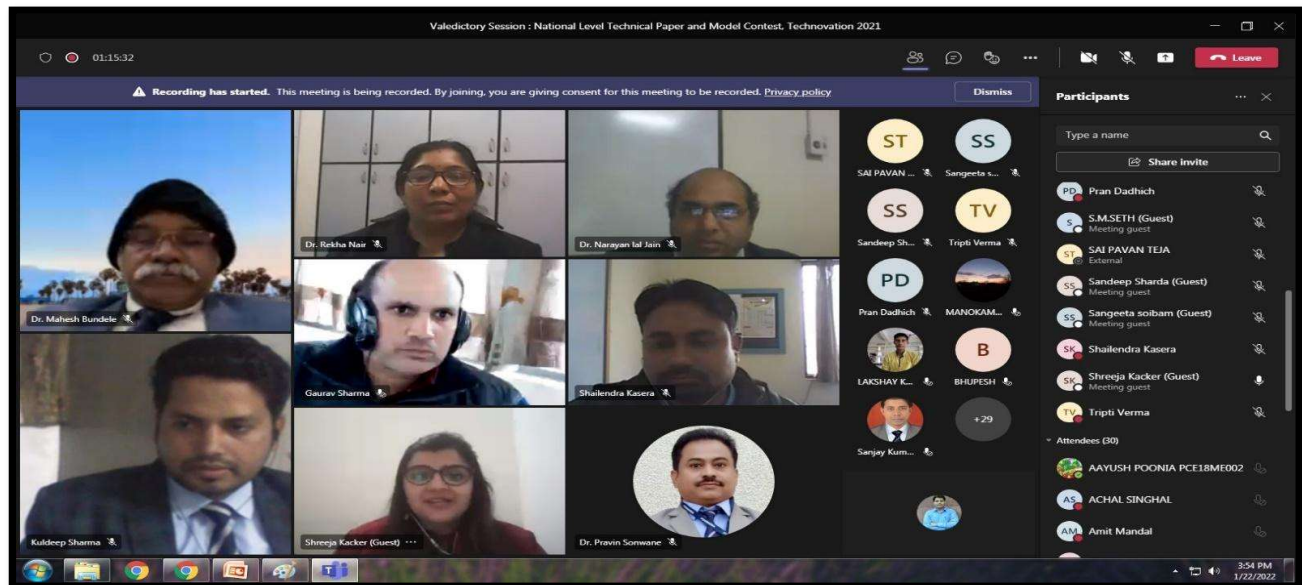
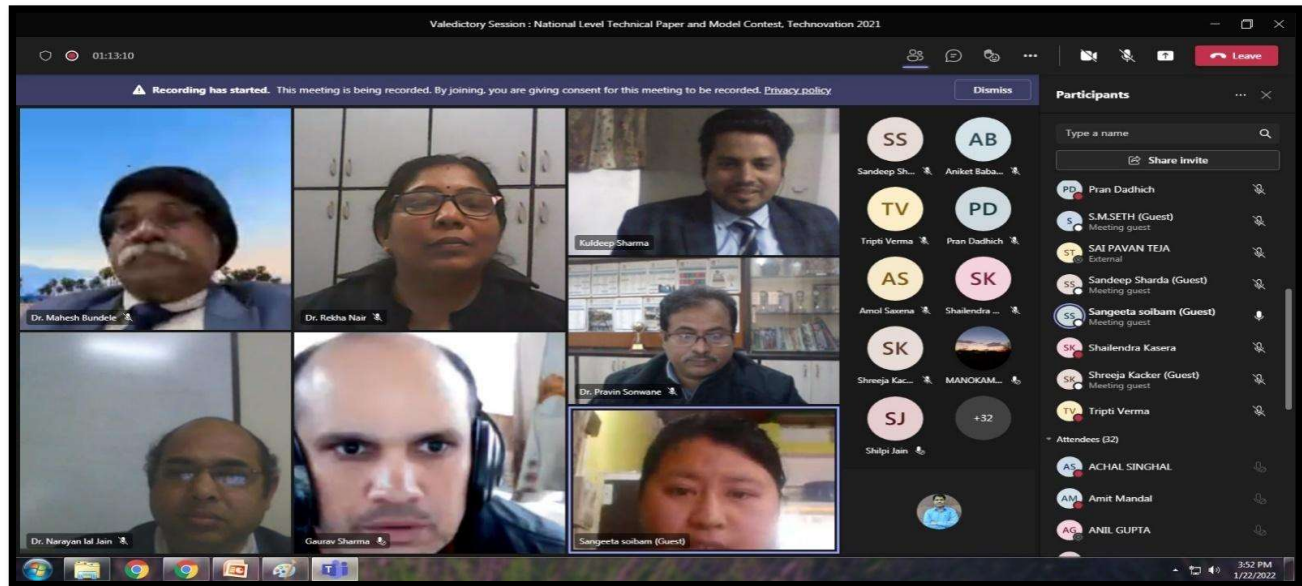


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Poornima College of Engineering - Activity Report – 2021-22



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♦ LIST OF THE PARTICIPANTS:

Track-1: Computer Engineering / Information Technology

S. No.	Paper ID	Author(s)	Paper Title
1	T1_P_CS_001	Vishal Choudhary, Ishita Agarwal, Khushboo Pareek, Kumar Kautuk, Samyak Jain	“Beyond Garage”- Trust me I am a Mechanic (Web Application)
2	T1_P_CS_003	Sonam Gour, Krishna Yuvraj and Mohit Kumawat	Human Communication with Multiple Face Expressions
3	T1_P_CS_004	Mukesh Kataria and Pawan Kumar Patidar	Image Enhancement using Wiener Filter and Fuzzy Filter

			for Statistical Distortion
4	T1_P_CS_005	Mukesh Kataria and Pawan Kumar Patidar	The Component-Centric UML based Approach to model the Architecture of Web Applications
5	T1_P_CS_007	Barkha Narang and Surendra Yadav	Revisiting HR in A Digital Era
6	T1_P_CS_008	Tharun P	Sentimental Tweets Classification of Symptomatic COVID-19
7	T1_P_CS_011	Abhay Agarwal, Aayush Sharma, Aish Joshi and Reena Sharma	Weather Prediction Using Machine Learning
8	T1_P_CS_015	Syed Owais Bukhari and S Ashraf	Implementation of a novel artificial intelligence cognitive mechanism for ‘Social Humanoids’
9	T1_P_CS_018	Md Mojahidul Islam, Dipta Talukder and Malarvizhi N.	An IoT based Smart Saline Level Monitoring System for Health Care Applications
10	T1_P_CS_019	Malarvizhi N, Athreayasa Kalyan Jupudi, Manikanta Velpuri and Venkata Krishna Deeraj Tulasi	Traffic Sign Detection And Classification In Real Time
11	T1_P_CS_024	Shraddha Gajbhiye and Dr Navita Khatri	Control Method based on Artificial Neural Systems applied to Proportional load sharing between parallel operated Inverters
12	T1_P_CS_030	Tripti Somani and Shivam Kumar	A review on Different object Detection Techniques
13	T1_P_CS_033	Apreksha Mathur, Deepesh Totla, Ayrish Jain and Chetan Agarwal	Face Recognition using Deep Learning
14	T1_P_CS_034	Anubhav Anand and Sonam Gour	Automated Attendance System Using Face Recognition
15	T1_P_CS_035	Atharav Porwal and Amit Mishra	An evaluation on SNAKE AND LADDER using C/C++
16	T1_P_CS_038	Rishi Goyal, Ridhvi Kulshrestha, Richa Garg, Ishan Jain, Priyansh Sharma and Sonam Gour	A Review on Google Lens Clone using Image Recognition
17	T1_P_CS_040	Utkarsh Kaushik, Sanya Gupta, Prachi Khandelwal and Siddharth Kothari	Social and Security influence of social networks
18	T1_P_CS_044	Rashi Pareek, Ruchika Agarwal, Rishabh Ostwal and Rinkle Sharma	Smart Mirror using IoT
19	T1_P_CS_045	Ali Khan, Aabhar Bhatt, Ashish Kumar Sharma, Anupam Mathur and Abhinav Goyal	APNA MALL - Research Commerce Web Application Using M

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20	T1_P_CS_046	Tripti Agrawal, Shitanshu Goyal, Shivam Patil and Mrs. Barkha Narang	Virtual Try On
21	T1_P_CS_047	Tanisha Agarwal, Saket Sharma, Sweety Jain and Tushar Agrawal	Novel Approach to develop web Application to access Kubernets
22	T1_P_CS_049	Ritika Agarwal, Yash Khandelwal, Yash Jain and Chanchal Negi	Online Food Ordering Website
23	T1_P_CS_051	Aashish Soni, Akash Kumar and Akshay Kumar	Facial Emotion Recognition using Matlab
24	T1_P_CS_052	Pallavi Singh, Pinki Gujar and Nitish Kumar Gupta	Licence Plate Detection using DeepLearning
25	T1_P_CS_053	Khushi Sharma	Handwriting Recognition using machine Learning
26	T1_P_CS_055	TaranaBagotia, Rameshber Goswami, Tushar Vaishnav, Silky Sharma and Tanisha Somani	Build your own neural network
27	T1_P_CS_056	Sandeep Saini, Pradeep Kumawat, Siddharth Talesara and Manish Choubisa	Cryptography Technique for Secure Data Transfer: A Review
28	T1_P_CS_057	Yukti Choudhary, Yash Sharma, Yatharth Purohit, Aprajita Kumari and Yashved Sharma	Review on Password security
29	T1_P_CS_058	Jeevesh Kishore Sharma, Nikita Kumari, Kshitij Kanaujia, Nishant Malhan and Jatin Sinsinwar	Impact of COVID-19 on Cybersecurity India: A Review
30	T1_P_CS_059	Sejal Jain, Neelam Chaplot, Yash Tripathi, Rahul Khandelwal, Sanskar Sharma and Sachin Yadav	Analysis and recommendations of data cleaning process for various types of data
31	T1_P_CS_060	Mann Sethi and Manashvee	Image smoothing using python
32	T1_P_CS_061	Vishali Gupta, Nikita Agarwal, Yash Kothari, Virendra Singh Sisodia and Vikrant Sharma	A Review Paper on Leaf Diseases Detection of Plants Image Processing
33	T1_P_CS_063	Shiwang Gupta, Vishal Agarwal, Vivek Kumar, Rishita Aloria and Yash Khandelwal	Study Recommendation Website
34	T1_P_CS_064	Harsh Sharma, Anushka Sharma, Ayush Saxena, Ashutosh Saxena and Manish Dubey	A Review Paper on Detection and Prevention from DDoS attacks in Cloud Computing
35	T1_P_CS_065	Divyanshu Tailor, Dhruv Gaur, Devesh Sharma, Fardeen Alam, Gagan Sharma	Facial Recognition Application

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		and Archika Jain	
36	T1_P_CS_066	Chaitanya Khurana, Ayush Baluni, Avinash Dubey, Aman Choubey, Gaurav Agarwal and Archika Jain	Implementation of a Chatbot System using AI and NLP
37	T1_P_CS_067	Naman Garg, Harshul Namdev, Lokesh Sharma, Hitesh Kumar Kalwani and Praveen Yadav	Financial Literacy: Learn to Plan for Better Future Web Based Platform for next-gen Financial planning
38	T1_P_CS_068	Raj Singh Naruka, Saumya Gupta, Suraj Kumar, Yakshita Sharma and Subanshika Subanshika	A Review On Image Recognition
39	T1_P_CS_069	Manish Dubey, Sumodh C Sabu, Shubham Jeengar, Rhythm Parashar, Rahul Sharma and Somay Sharma	Linguistic Recognition using Machine Learning
40	T1_P_CS_071	Pradhuman Singh Rathore, Shivangi Dubey, Komal Kumari, Rahul Arora and Praveen Kumar Yadav	A Review On Call Center Management Website: Call Processing Optimization
41	T1_P_CS_072	Vishwas Patel, Tarun Mittal, Sudhanshu Gupta, Anshul Maheshwari, Ankit Kumar and Nikita Jain	A framework for College students using Reactjs and Django
42	T1_P_CS_077	Kalyani Verma, Kayshoo Nagar, Kritika Choudhary and Dr. Nikita Jain	A Review Paper on Handwritten Digit Recognition
43	T1_P_CS_081	Mohammed Basheer Khan, Sneha Soni and Dr Kalpana Rai	Security Of Data Using Crypto Cloud Multilayer Blowfish Dna Technique
	T1_P_CS_084	Gunank Bansal, Aashita Jain and Chetan Sharma	Selling and Renting of Buildings (Web Development)
44	T1_P_CS_087	Aman Kumar Singh, Anchal Jain, Abhinav Anand, Anurag Kumar, Aditya Mishra and Monika Goyal	Design And Development Of Chatbot: A Review
45	T1_P_CS_094	Pradhumn Vijay	Artificial Intelligence in Automobile
46	T1_P_CS_101	Kundan Singh, Lavish Jain, Niranjana Sharma, Narendra Kumawat and Mantu Raj	Facial Expression Recognition Using OPEN CV
47	T1_P_CS_138	Lakshya Raj Singh Panwar, Harsh Jain, Piyush Choudhary and Harshit Agnihotri	Speech Emotion Recognition
48	T1_P_CS_139	Vansh Gupta	An ultra light weight RFID batch authentication scheme for IoMT

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49	T1_P_CS_140	Shrey Somani, Manvendra Chaturvedi, Ashutoh Meena and Abhishek Jain	Disease Prevention and Productive Medicines from Data Science
50	T1_P_CS_146	Vedika Gupta, Vaibhav Agrawal, Tanvi Mittal and Rishabh Jain	AI based Personal Speech Recognition System
51	T1_P_CS_149	Darshan Bhatt, Bhavesh Chittora, Arjun Jain, Gaurav Pipada and Barkha Narang	A Review On Yoga Prediction using Machine Learning
52	T1_P_CS_154	Ayush Chaplot	A Big Data Analytics Architecture for Smart Cities and Smart Companies
53	T1_P_CS_155	Rishabh Deora, Ritik Sharma, Rohit Agarwal, Shivam Khandelwal and Prashant Thapliyal	Movies/Web series Recommendation System
54	T1_P_CS_162	Stuti Gite	Energy harvesting schemes for wearable devices
55	T1_P_CS_182	Vidhik Sharma, Suhana Arif and Vinay Shukla	Artificial Intelligence And Machine Learning
56	T1_P_CS_190	Ayushi Sharma, Aayushi Naruka, Anurag Kumar and Ayush Sharma	KNN classification algorithm in ML
57	T1_P_CS_194	Sana Firoz, Aman Mudgal and Amisha Mathur	Intelligent Non- Invasive Blood Glucose Meter (Inbg)
58	T1_P_CS_205	Harsh Agrawal, Harsh Rathore, Manav Singh Panwar and Krishna Jain	College Management Sysytem
59	T1_P_CS_208	Dr.Gajendra Rajawat, Aditi Maheshwari and Ashutosh Kumar	5G Wireless Networking System: A Review
60	T1_P_CS_232	Arnav Kulshrestha, Dhananjay Saini, Devesh Kumar Singh, Abhishek Sharma and Barkha Narang	A Review Paper On Vehicle accident detection
61	T1_P_CS_236	Lokesh Kumar, Nikhil Singhal, Mudit Agarwal, Mukul Kumar and Jaivardhan Bhardwaj	Effect of a cyberattack on a company's economic performance
62	T1_P_CS_237	Manish Kumar, Mridul Pandit and Manish Sharma	Applied Cryptography and Network Security
63	T1_P_CS_239	Sachin Khatri, Sagar Khandelwal, Riya Kumari and Sakshi Kumari	Smart Virtual Assistant for Windows Operating System based on human Voice Instruction
64	T1_P_CS_241	Shashank Singh, Shubham Prajapati, Sibghat Ali Khan, Vishal Agrawal and Tanu Agarwal	A review on Stock Price Prediction using Different Techniques
65	T1_P_CS_242	Akshat Gupta, Aman Goyal, Amrit Agarwal and Anjali Garg	Cybersecurity and Hacking

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66	T1_P_CS_249	Aaradhya Khandelwal, Aryan Nama and Arpit Gupta	Online Learning
67	T1_P_CS_253	Devendra Singh Shekhawat, Vikas Suthar, Dhruv Sharma and Shirish Nagar	A Review of Movie Recommendation System
68	T1_P_CS_254	Manas Jain, Priyanshi Jain and Sakshi Sharma	Skin Cancer Detection Using ML
69	T1_P_CS_255	Rahul Mishra, Soman Mitra and Anurag Sharma	E-Polling Application using Python Framework
70	T1_P_CS_257	Priyansh Jhalani and Kshitij Dixit	Managing and Analyzing of Tasks Using a Serverless Framework
71	T1_P_CS_269	Arjun Dey, Karan Dey and Harsh Chhaparwal	A Review on Automatic Text Summarization
72	T1_P_CS_273	Rithik Shrivastava, Khushboo Meena and Amardeep Jarwal	An Analytical Case Study on Tehri Dam
73	T1_P_CS_282	Sayan Khandait, Saurav Chaudhary and Manish Dubey	Symmetric Key Cryptography
74	T1_P_CS_283	Megha Agrawal, Natasha Goklani, Mayank Singh, Prabhat Singh and Muskan Goyal	Face Expression Recognition using CNN
75	T1_P_CS_285	Samiksha Kalambe and Dr. Kiran Dongre	Detection Of Islanding Condition In 14 Bus Using ANN And Fuzzy Logic Distribution
76	T1_P_CS_288	Gourav Majee, Dhruv Gupta, Anupam Agarwal and Anmol Rathore	Let's Konnect: a social media app
77	T1_P_CS_290	Hitesh Kumar, Mrityunjay Tyagi, Manvi Agarwal, Himanshu Thory and Vishal Choudhary	Secure Data Transfer Over Internet Using Cryptography

Track-2: Electronics & Communication Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	T2_P_ECE_002	Siddhant Goswami and Deepak Karia	Compact Metamaterial Octagonal Antenna for Wireless Body Area Network
2	T2_P_ECE_013	Aniket Babar	Integrated Anti Wildlife-Collision System
3	T2_P_ECE_021	Kamalesh D and Lokesh C	Esp 32 Cam Motion Alert And Sends Image To Telegram
4	T2_P_ECE_048	Jasmine Chhillar	Face recognition using deep learning
5	T2_P_ECE_095	Pritam Raj, Ayush Gupta, Chandresh Singh and Bharat Chhipa	Automatic Safety Locker System Using Computer Vision, AI and Image Processing
6	T2_P_ECE_131	Bhavesh Galav and Mr. Rahul Sharma	GSM Control System

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7	T2_P_ECE_151	Manish Kumar	Deep Learning Based Weather Prediction
8	T2_P_ECE_153	Utsav Sharma	The Luminescence Signal Detector for onco-fluorometry of the near infrared region
9	T2_P_ECE_156	Swapnil Raj Soni	An Intelligent Parking Sharing System for Green and Smart Cities Based on IOT
10	T2_P_ECE_157	Abhishek Gupta	Mobile computing and communications-driven fog assisted disaster evacuation techniques for context-aware guidance support: A survey
11	T2_P_ECE_158	Aniket Sharma	Adaptive Time Frequency Multiplexing For 5g Applications
12	T2_P_ECE_159	Roj Kanwar	Image Classification Approaches Using Machine Learning
13	T2_P_ECE_160	Saksham Soni	Wireless Communication and REM: Security Perspective
14	T2_P_ECE_161	Hritik Kumar	Internet of things attacks detection using hybrid Deep learning model
15	T2_P_ECE_163	Vikash Tiwari	Hyperloop
16	T2_P_ECE_164	Ritik Sharma	Enhanced network access control scheme for LTE-LAA/ Wi-Fi coexistence
17	T2_P_ECE_165	Rahul Rathi	Plasma And Metallic
18	T2_P_ECE_166	Manaal Mishra	Deep neural network for text anomaly detection in SIOT
19	T2_P_ECE_167	Shubham Tiwari	Performance Enhanced Folded Multiband MIMO Antenna For Mobile Terminals
20	T2_P_ECE_168	Neha Neha	Artificial Intelligence Enabled Wireless Networking for 5G and Beyond
21	T2_P_ECE_171	Saiphali Agrawal	6G Wireless System: Intelligent Reflecting Surfaces For 3D Non Stationary Model
22	T2_P_ECE_172	Nitin Budania, Nikhil Kumar Solanki, Nitu Pandel and Nakshatra Yadav	Traffic Sign Recognition
23	T2_P_ECE_174	Anshika Chechani and Payal Bansal	Nanotechnology uses in medicine
24	T2_P_ECE_175	Shreyansh Patni, Bhavit Jain, Jhalak Dashora and Saksham Jain	Effect of Electromagnetic Interference on electronics devices
25	T2_P_ECE_176	Akash Kumar, Anmol Kumar, Brajeshwaram Krishnam and Chirag Agarwal	RFID Based Identification System

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26	T2_P_ECE_177	Rahul Sharma, Suryabhan Ray, Neha Mridul and Rishav Anand	Raspberry Pi security camera using Open-CV
27	T2_P_ECE_179	Rohit Raj, Gaurav Kumar, Adarsh Kumar and Nitish Kumar	Auto Intensity Control of Street Light Based on Vehicle Detection Using Arduino Uno
28	T2_P_ECE_181	Naman Tiwari, Nitin Jain, Chirag Jaiswal and Aryan Patidar	A Robust Secure Communication System
29	T2_P_ECE_183	Gautam Jeswani, Chandan Singh, Divyansh Mathur and Ashish Raj	Automatic Hand Sanitizer Dispenser with Temperature Sensing
30	T2_P_ECE_184	Sanskriti Mujawdiya, Pragya Sharma, Manisha Roy and Prabhat Sharma	Real Time Monitoring Device
31	T2_P_ECE_195	Yadav Vinay Singh, Shruti Sharma, Yashasvi Pandey and Yashdeep Saini	Solar Powered Drone
32	T2_P_ECE_202	Viraj Singh Bhati, Vartesh Raj Singh Chauhan, Yash Soni and Maink Mangotra	Forest Fire Detection
33	T2_P_ECE_203	Pratham Mathur, Rahil Mathur and Akshita Mittal	Home Automation Controlled System
34	T2_P_ECE_204	Bharat Kumawat, Karan Bhansali and Rohit Saini	Fingerprint Door Lock
35	T2_P_ECE_268	Satyam Kumar Shukla, Irfan Alam, Shahnawaz Alam, Md. Sajid and Sunil Meena	Home Automation
36	T2_P_ECE_272	Guddu Kumar	Image sensor with hybrid emission filter for in vivo fluorescent imaging
37	T2_P_ECE_277	Harshit Kumar Meharchandani, Kanak Pareek, Harshvardhan Shringi and Ankit Mali	Weather forecasting with smart security system solar based street light
38	T2_P_ECE_281	Vishvendra Paliwal, Mahendra Bairwa, Anil Kumar, Arun Isher and Praveen Singh	A Review Paper on IoT Based Home Automation System
39	T2_P_ECE_284	Utkarsh Agrawal	An Overview of Network Slicing For 5G

Track-3: Electrical Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	T3_P_EE_006	Swetha G	Smart Survey on Power Quality Improvement based on Distribution Network Reconfiguration and Reconfiguration
2	T3_P_EE_189	Vasundhara Hingal, Jayant Modak and Sanjay Haridas	Review of Harmonics analysis and DC

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			choppers components
3	T3_P_EE_260	Chitransh Vijay, Aman Kumawat, Ashish Prajapat, Aman Verma, Ashutosh Dashora and Mayank Sharma	Solar Scare Mosquito
4	T3_P_EE_261	Harshit Tiwari, Amarjeet Kumar, Kunal Kumar, Himanshu Jajolia and Dr Pankaj Gakhar	Iot based smart parking for ev with solar charging unit in automation mode
5	T3_P_EE_263	Ashutosh Sharma, Kundan Kumar, Harsh Meena and Javed Alam	Face Recognition Door Lock System Using Raspberry Pi
6	T3_P_EE_264	Ajay Gupta, Arjun Kumar and Chothmal Yadav	A Review of Hardware Implementation Design of Boost Converter
7	T3_P_EE_265	Mansi Bardawat, Ayush Gupta, Yashshvi Meena and Saney Thakur	LED light Cube
8	T3_P_EE_271	Bhavesh Jain, Aryavardhan Paradia, Devanshu Jain and Gulshan Kumar Ajmera	Arc Models for Circuit Breaker
9	T3_P_EE_274	Meenakshi Ratnawat, Priya Kanwar, Rajveer Saini and Md. Rizwan	Protection of Induction motor from phase and temperature

Track-4: Mechanical Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	T4_P_ME_022	Vishad Tainwala, Ayan Solanki, Sachin Yadav, Nadeem Khan and Kanishk Baheti	Solar Dryer
2	T4_P_ME_023	Ankur Payal, Anish Gurjar, Tanuj Sharma and Kalpit Jain	Wheel Alignment Sensors
3	T4_P_ME_025	Md Yusuf Rahmani and Surendra Kumar Saini	Hybrid Ultrasonic Welding: a review
4	T4_P_ME_027	Harshit Sarsiya, Gourav Singh, Mahesh Kumar Vaishnav, Rupal Srivastav and Narayan Lal Jain	Bio oils as Alternative fuel in Diesel Engine - A Review
5	T4_P_ME_028	Arpit Singh, Ayyan Khokar, Muahmmad Rafique, Shahbaz Sayyad and Surendra Kumar Saini	Abrasive Jet Machining: A Review
6	T4_P_ME_062	Kunal Yadav, Anmol Jain and Jagrati Agarwal	3D-Printing for medical Application
7	T4_P_ME_078	Atul Singh and Dr. Narayan Lal Jain	An Introduction and Prospects of Geothermal Energy in the Sector of India

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8	T4_P_ME_079	Paramveer Singh Hada and Dr. Narayan Lal Jain	Using Canola-based biofuel in a diesel engine and Analysis of Its Effect on Engine Performance and Emission Characteristics
9	T4_P_ME_082	Nidhish Pareek and Sanjay Kumawat	Cloud Manufacturing Definition, Trend and future scope
10	T4_P_ME_083	Lakshay Khandelwal, Kalpit Jain and Lakshay Mittal	Potential barriers in the adoption of block chain technology
11	T4_P_ME_088	Prabhakar Thakur	Numerical investigation of conventional and modified Savonius wind Turbine
12	T4_P_ME_089	Akash Gupta and Dr. Raj Kumar Satankar	High Temperature Applications of Heat Exchanger
13	T4_P_ME_090	Bhupendra Khandelwal and Sanjay Kumawat	Application of Nanotechnology In The Automobile Industry
14	T4_P_ME_091	Bablu Jha	Recent advances in heat exchanger
15	T4_P_ME_092	Kumar Nandish and Rahul Sharma	Glass Fiber - reinforced polymer composite - A review
16	T4_P_ME_093	Shashank Sharma and Rahul Sharma	Natural Fibre Reinforced Composites & Its Applications
17	T4_P_ME_096	Gaurav Kumar	Composite Materials of wind turbine
18	T4_P_ME_097	Gaurav Kumar and Narayan Lal Jain	Composite Materials of wind turbine blades
19	T4_P_ME_098	Karan Singh	Recent Electric Vehicle Advancements
20	T4_P_ME_099	Dhirendra Singh Sisodiya	3D Printing : And It's Future Scope
21	T4_P_ME_100	Jobin David and Sanjay Kumawat	Piezoelectric driven thermoacoustic refrigerator
22	T4_P_ME_102	Abdullah Khokar and Rahul Sharma	Antilock Braking System
23	T4_P_ME_103	Piyush Sharma and Dr. Akshay Jain	Fiber reinforced Polymer
24	T4_P_ME_104	Abhinandan Agrawal and Kalpit Jain	Advancement in Cooling System
25	T4_P_ME_105	Rakesh Kumar	Electrochemical Machining Process
26	T4_P_ME_106	Gajendra Singh	Metal Inert Gas Welding And Its Application
27	T4_P_ME_107	Rohit Kumar Verma and Rajkumar Satankar	Regenerative Braking System
28	T4_P_ME_108	Md Mahfooz Mahfooz, Dr. Mohammad Israr and Dr. Narayan Lal Jain	Hydrogen as a Fuel
29	T4_P_ME_109	Sarthak Jagdaley	Utilization Of Waste For Safety Of Livinghood
30	T4_P_ME_110	Athrav Joshi	a review management

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31	T4_P_ME_111	Ashish Sonwal and Kalpit Jain	Review on Plastic Injection Molding
32	T4_P_ME_112	Shailesh Katara and Dr. Narayan Lal Jain	Hydrogen fuel cell technology
33	T4_P_ME_113	Aman Kumar and Amit Kumar Mandal	Recent Advancements in Automobile Safety System
34	T4_P_ME_114	Ashish Jangid and Sanjay Kumawat	Artificial Intelligence : Boon or Bane
35	T4_P_ME_115	Rohit Pradhan and Shubham Yadav	Experimental Study on Wire EDM
36	T4_P_ME_116	Sandeep Saini and Manish Saini	Optimization study on wire EDM
37	T4_P_ME_117	Agam Gautam and Dr. Surendra Kumar Saini	Non-Pneumatic Tyers
38	T4_P_ME_118	Junaaid Mastan	Laser Beam Machining Optimization: A Review
39	T4_P_ME_119	Mohammad Yameen	Fuel From Plastic Waste
40	T4_P_ME_121	Aayush Poonia	Industry 4.0
41	T4_P_ME_122	Pintu Sharma and Akshay Jain	Application of biofuels for heat generation
42	T4_P_ME_123	Aakash Shukla	Just in Time in Small and Medium Scale Industry
43	T4_P_ME_124	Dushyant Sharma and Rahul Sharma	fabrication , classification and application of polymer composites
44	T4_P_ME_125	Abhishek Kumar and Amit Mandal	Underwater Windmill
45	T4_P_ME_126	Hemendra Kumawat and Rahul Sharma	Composite Material in Automobile Application
46	T4_P_ME_127	Chitransh Jangir and Rahul Sharma	Thermo Mechanical Analysis of Composite Cylinder Liners using Finite Element Analysis
47	T4_P_ME_128	Prashant Panwar, Dr Akshay Jain and Junaaid Mastan	Unconventional machining method
48	T4_P_ME_129	Neeraj Yadav and Dr. Akshay Jain	Optimization Of Turning Process By Using Lathe Machine
49	T4_P_ME_132	Prashant Pawar and Dr. Akshay Jain	Unconventional machining methods
50	T4_P_ME_133	Tanmay Gupta	Develiopment of solar energy worldwide
51	T4_P_ME_134	Shivanand Kumar Singh and Dr Rajkumar Satnakar	Plastic welding
52	T4_P_ME_135	Amit Yadav and Sanjay Kumawat	An Overview of Additive Manufacturing
53	T4_P_ME_136	Aditya Chaudhary and Amit Mandal	Introduction to Nanotechnology

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54	T4_P_ME_137	Rahul Singh	Electric Vehicle
55	T4_P_ME_141	Tanmay Saini and Amit Mandal	Productivity of Educational Institute
56	T4_P_ME_142	Rahul Jain and Raj Kumar Satankar	Wear Behavior Of Alloy Steel Under Different Conditions
57	T4_P_ME_143	Sudipt Sharma and Surendra Kumar	Advances in Abrasive jet machining
58	T4_P_ME_144	Prashant Kumar Sharma	optimizatin of drilling process by using lathe machine
59	T4_P_ME_145	Tushar Ranjan Sharma and Sanjay Kumawat	Extraction of Portable Water from Vehicle Engine Exhaust for Emergency Situation
60	T4_P_ME_147	Yash Sharma and Dr. Amit Mandal	Ceramic Adhesive And Methods For On-Orbit Repair Of Re-Entry Vehicles
61	T4_P_ME_148	Robin Jangid	metal arc gas welding
62	T4_P_ME_150	Manish Jangid	3D Printing Materials
63	T4_P_ME_170	Khushall Sahu and Akshay Jain	Parametric Optimization Of Lathe Machine Parameters
64	T4_P_ME_180	Arpit Saini, Kalpit Jain, Arpit Saini and Arpit Saini	Artificial intelligence of automobile
65	T4_P_ME_185	Akash Parashar and Dr. Akshay Jain	Non-Traditional Maching
66	T4_P_ME_188	Mahendra Kumar Choudhary	Insulation Bricks manufacturing using Fly Ash & Waste Materials of Mines
67	T4_P_ME_215	Paramjeet Kumawat and Narayan Lal Jain	Ethanol as a biofuel and its impact on internal combustion engines emanation decrease
68	T4_P_ME_216	Shubham Mehra and Dr. Narayan Lal Jain	Applicatons of ANSY in BIO Medical field
69	T4_P_ME_217	Abhishek Choudhary, Nagendra Lamoria, Pragya Ghiya and Shirish Nagar	Enhancing Consumer Experience in E-Commerce Applications
70	T4_P_ME_218	Triyanshi Gupta, Shreya Jain and Nitya Nidhi Sharma	A Review on Image Steganography
71	T4_P_ME_219	Deepesh Yadav	Development of portable treatment unit for domestic kitchen waste
72	T4_P_ME_220	Amardeep Jarwal, Jaya Rathore and Rithik Shrivastava	Study on Pre-Fabricated Structures
73	T4_P_ME_222	Shubham Yadav and Dr. Narayan Lal Jain	Future Prospects of Hydrogen
74	T4_P_ME_243	Sandeep Sharda and Sanjeev Mishra	Integrated mathematical model for space management and control

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			to Petroleum & Fertilizer Industries
75	T4_P_ME_287	Rahul Sharma and Abhishek Chauhan	Industrial Automation

Track-5: Civil Engineering

S. No.	Paper ID	Author(s)	Paper Title
1	T5_P_CV_012	Silsilah U P, Dr Sathyamoorthy G L and Dr. Dhoulath K A	Sustainable Energy and Water Development
2	T5_P_CV_020	Sangeeta Soibam, Vivek Laishram and Albino Kumar Potsangbam	Kinetics and Thermodynamics studies of enhanced Cr(VI) adsorption using activated carbon prepared from a low-cost adsorbent
3	T5_P_CV_029	Praveen Kumar Sharma and Khushboo Meena	The Review Paper on Self Healing Concrete
4	T5_P_CV_032	Khushboo Meena and Praveen Kumar Sharma	The Review Paper on Fly Ash Bricks and Its Physical Properties
5	T5_P_CV_037	Raghav Gupta, Supratik Kataria, Yuvraj Meena and Bhim Singh	A Study on Kolkata Port
6	T5_P_CV_173	Akshat Saran, Sushank Kumar, Shubham Garg and Arvind Khatik	Rain Water Harvesting With Drip Irrigation and Solar Energy
7	T5_P_CV_186	Anil Gupta	A Review on E- Waste Management in India
8	T5_P_CV_191	Rituraj Singh and Arvind Singh Rathore	Silica Fume And Fly Ash Impact On Concrete Mix Design
9	T5_P_CV_196	Manokamna Singh	Advanced Survey Methods Use in Highway Construction
10	T5_P_CV_224	Divyanshu Kumawat	Use of sand stone waste as an ingredient in concrete mix design
11	T5_P_CV_226	Rafiq Bahleem and Balwan Sheshma	Study of High Performance Concrete by Using Admixtures
12	T5_P_CV_227	Onkar Pulli, Sunilkumar Patil and Prashant Dhanshetti	Structural Analysis of Diagrid Multi-Storied Building
13	T5_P_CV_228	Narpat Singh, Pranav Khajuria, Gajendra Panwar and Balwan Sheshma	A Case Study On “Bamboo as a Building Material”
14	T5_P_CV_229	Suyash Maske and Mahesh Kalyanshetti	Seismic Response of Reinforced Concrete Elevated Service Reservoir with Different Strain Pattern Considering Soil-Structure Interaction
15	T5_P_CV_233	Javed Ghori and Balwan Sheshma	Repair of Damaged RCC Structures

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16	T5_P_CV_244	Ruchi Agrawal	Uses of GIS in transportation system
17	T5_P_CV_246	Tabish Quadri and Shreeja Kacker	Enhancement of Air Quality Index of Delhi During Lockdown Period Amidst Covid-19
18	T5_P_CV_247	Jaywant Madane and Sunilkumar Patil	Seismic Performance of Multistorey Building of Underground Multiple Storeys Parking With Shear Wall
19	T5_P_CV_270	Shubham Nair	Solid Waste Management And Health

MODEL CONTEST

Track-1: Computer Engineering / Information Technology

S. No.	Model ID	Author(s)	Model Name
1	T1_M_CS_010	Harshita Sharma, Arti Yadav, Aarti Suthar and Gaurav Kumar	Recommendation System
2	T1_M_CS_031	A Sai Pavan Teja and A Kumar	Intelligent Systems for Automatic Supervision of Temperature and Social Distancing in Institutions/Organizations
3	T1_M_CS_036	Rishabh Jain, Tushar Sharma, Sharma Chetan and Sarthak Bharadwaj	Analysis of Airline Dataset using Machine Learning Techniques
4	T1_M_CS_039	Yatika Bochiwal, Rahul Yadav, Vishal Arya, Yagyansh Jaiswal and Yash Vardhan Singh Pawar	Detecting Phishing Website Using Machine Learning
5	T1_M_CS_041	Bhupesh, Arnav Sharma, Aish Joshi, Ankur Chaurasia and Dr. Monika Goyal	Road Lane Detection using Python and AWS DeepRacer
6	T1_M_CS_042	Mansi Kumari, Kritika Soni, Nikhil Sharma and Om Shukla	Snake Game Using Machine Learning
7	T1_M_CS_043	Batsal Kumar, Brajesh Ranjan Sharma, Deepak Kumar, Akash Yadav and Manish Choubisa	Real-time video based emotion recognition using convolutional neural network
8	T1_M_CS_050	Keshav Vijayvergiya, Mohit Singhal, Niharika Saini, Namrata Gocher, Harshdeep	Digital Art Installation

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		Singh and Harshita Virwani	
9	T1_M_CS_054	Harshit Chugh, Harshit Gupta, Harshit Khandelwal and Mudit Agrawal	The Distancometer
10	T1_M_CS_084	Gunank Bansal, Aashita Jain and Chetan Sharma	Selling and Renting of Buildings (Web Development)
11	T1_M_CS_193	Prakhar Mathur, Khushi Sharma, Kajal Lalchandani and Ayushi Khandal	Sign-Language Recognition System
12	T1_M_CS_209	Dhruv Jain, Lovish Yadav, Kartikey Singh and Kharanshu Kashyap	Online Food Ordering System
13	T1_M_CS_211	Mohini Garg, Lalit Kumar Dhanjani, Madhur Bhardwaj, Aditi Yashwant Sharma and Puja Kumari	Brick and mortar
14	T1_M_CS_213	Ajay Yadav, Shubham Roy, Prakhar Mishra and Prateek Srivastava	Time Table Manager App
15	T1_M_CS_230	Gaurav Mishra, Vishal Chaudhary, Akanksha Kumari, Dharmendra Mishra and Gautam Rana	Hospital Management System
16	T1_M_CS_245	Rashid Kha and Manan Joshi	Designing and elevation of house through AutoCAD and Revit software
17	T1_M_CS_250	Devendra Singh Rao, Divyansh Agarwal, Esha Kapoor and Gautam Sharma	Research Paper on Physical Activities for Fitness
18	T1_M_CS_251	Gaurav Singh Rathore, Lakhan Singh and Arun Sharma	Forever Home for Homeless (pets)
19	T1_M_CS_256	Satyam Bansal, Parth Pandey, Tarush Saini and Saurabh Gangwani	Home automation using Arduino UNO

Track-2: Electronics & Communication Engineering

S. No.	Model ID	Author(s)	Model Name
1	T2_M_ECE_070	Ayush Jain, Bhavit Choudhary and Abhay Pratap Singh	Face Detection
2	T2_M_ECE_178	Lalit Agarwal, Shivendra Singh Rathore, Samiksha Agarwal and Kanak Madan	IoT Based Home Automation
3	T2_M_ECE_187	Nemichand Chhipa, Kishan Baranwal, Manish Kumar Vaishnav and Raman Kumar	You Only Look Once (YOLO)

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4	T2_M_ECE_289	Aqib Nassar, Anuj Sharama, Arbaj Khan and Ashok Samrat	Vehicle Number Plate Recognition Using MATLAB
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Track-3: Electrical Engineering

S. No.	Model ID	Author(s)	Model Name
1	T1_M_EE_258	Ashish Meena, Kunal Jain, Vishnu Mahawar and Achal Singhal	Sumo War
2	T1_M_EE_259	Mohit Joshi, Nidhi Singh Bunker, Mayank Yadav, Khushi Verma and Jatin Agarwal	Scenario Making Using IPG Carmaker
3	T3_M_EE_267	Bhuvanesh Chaudhary, Garvit Khandelwal, Hemant K. Sharma, Vivek Yadav and Yash K. Katara	Lithium Ion Cell Capacity Tester Using Arduino
4	T3_M_EE_275	Md Anas Zaim Khan, Abhishek Dubey, Abhishek Kumar, Surender Kumar and Kanhaiyalal Nil	Society of Automotive Engineers India(SAE) Autonom
5	T3_M_EE_278	Girish Mittal, Gaurav Sharma, Gaurav Gupta and Aditya Gupta	Solar EV Fast Charger
6	T3_M_EE_279	Rameshwar Mode and Kiran Dongre	Simulation and Analysis of Grid Tied Inverter for Renewable Energy Sources
7	T3_M_EE_280	Rameshwar Mode and Kiran Dongre	Review on Simulation and Analysis of Grid Tied Inverter for Renewable Energy Sources

Track-4: Mechanical Engineering

S. No.	Model ID	Author(s)	Model Name
1	T4_M_ME_017	Akhila Rupesh	Design of Parallel and Counter Flow Heat Exchanger with Effectiveness Improvement Technique
2	T4_M_ME_026	Prabhakar Thakur, Piyush Sharma, Shubham Mehra and Pradhumn Vijay	A method to reduce self starting problem in a savonius wind turbine
3	T4_M_ME_120	Amit Kumar, Amit Kumar and Amit Kumar	Reduction of Internal Combustion Emissions through Bio-Fuel Application
4	T4_M_ME_214	Robin Jangid and Rajkumar Satnakar	Artificial intelligence and automation in work
5	T4_M_ME_221	Apil Meena	A Review on Grouting a structural repair, reinforcement strengthening

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6	T4_M_ME_223	Ishant Saugat, Bharat Sharma, Rahul Mahawar, Praveen Bhardwaj	Waste Sorting Machine
7.	T4_M_ME_276	Atul Singh, Paramveer Singh Hada, Nidhish Pareek, Shailesh Katara and Dr. Surendra Kumar Saini	Development and Study of Smoke Tower

Track-5: Civil Engineering

S. No.	Model ID	Author(s)	Model Name
1	T5_M_CV_016	Akhila Rupesh	Systematic Approach in Determining Runway Orientation using Windrose Diagram
2	T5_M_CV_073	Aryan Diwala, Jatin Meena and Kiran Gaur	Hydraulic TRS system
3	T5_M_CV_074	Sakshi Sharma, Komal Kumari and Saloni Tabiyar	Smart city
4	T5_M_CV_075	Tannu Yadav, Pooja Meena, Abhishek Saini and Bhumi Verma	Arduino GPS Vehicle Tracker
5	T5_M_CV_076	Pranshul Jain, Prateek Sharma, Kunal Matted and Sachindra Singh Ola	Rotating bridge
6	T5_M_CV_080	Sindhu Kumari, Chirakshi Agarwal, Vikas Dhukiya and Ajay Kumar	Hydraulic parking system
7	T5_M_CV_085	Vinod Jat, Vikas Khatri, Shubham Meena and Jeetkesh Meena	Multivarient car parking
8	T5_M_CV_086	Vishal Karol, Harshit Kumar Taiter, Virendra Soni and Vijendra Kumawat	Smart Irrigation system
9	T5_M_CV_152	Shyam Sundar Meena, Himanshu Sharma, Harshit Sharma and Toufeeq Sheikh	Earthquake building resistance,
10	T5_M_CV_223	Ishant Saugat, Bharat Sharma, Rahul Mahawar and Praveen Bhardwaj	Waste Sorting Machine
11	T5_M_CV_225	Kriyanshu Meena, Shivansh Naraniya, Shreyansh Harsana and Sunny Kumar	Suspension Bridge
12	T5_M_CV_234	Sahil Angural, Akash Kumar, Satish Kumar and Prateek Gangwal	Partial Replacement of Coarse Aggregates by cheap Bricks in Concrete
13	T5_M_CV_235	Zahid Qayoom, Majid Ashraf, Aman Singhal and Surya Parkash	Manufacturing of brick by using marble slurry, clay and bagasse

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14	T5_M_CV_238	Rahul Kumar Meena, Jayesh Kumar Jain, Lalchand Bairwa and Narendra Kumar Meena	Suspension Bridge Model
15	T5_M_CV_240	Hemant Saini, Aaditya Jangir, Bhupendra Kumar and Abhinav Sharma	Writing Machine
16	T5_M_CV_262	Jai Prakash, Manjeet Singh, Narendra Nath, Jatin Kumar and Shivshesh Shan	Automatic Irrigation System
17	T5_M_CV_266	Manish Dashora, Mayur Sharma, Abhisheak Vaishnav, Rani Gurjar and Dinesh Meena	Advanced Hydraulic Bridge on Railway Track
18	T5_M_CV_286	Avnish Kumar, Pankaj Kumar Meena and Akhilesh Kumar Patil	Bio Sand Filter

♦ VALEDICTORY SESSION:



Organized by
Poornima College of Engineering, Jaipur



Date: 22 January 2022 Time: 3:00 PM to 4:00 PM Venue: Online Platform (Microsoft Teams)

Valedictory Programme Outline

(Microsoft Team Link: <https://tinyurl.com/2p8kckbc>)

S. No.	Activity	Scheduled Time
1.	<p>Welcome of Dignitaries and Introduction of Event by anchors- Mr. Kuldeep Sharma & Dr. Sarveen Sachdeva</p> <ul style="list-style-type: none"> Prof. R. A. Gupta, Vice Chancellor, Rajasthan Technical University (Chief Guest) Dr. Mahesh Bunde, Director & Principal, PCE Mr. Pankaj Dhemla, Vice Principal, PCE Ar. Rahul Singhi, Director, Poornima Group Dr. Rekha Nair, Convener, Technovation 2021 Dr. Surendra Kumar Yadav, HOD, CSE, PCE Mr. Amol Saxena, HOD, IT, PCE Dr. Garima Mathur, HOD, EC, PCE 	3:00 PM - 2:03 PM

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Ghatapura, JAIPUR

	<ul style="list-style-type: none"> ● Dr. Pravin Sonawane, HOD, EE, PCE ● Dr. Narayan Lal Jain, HOD, ME, PCE ● Dr. Pran Dadhich, HOD, CIV, PCE ● Mr. Shailendra Kasera, HOD, I Year, PCE 	
2.	Welcome of Chief Guest, Prof. R. A. Gupta, Vice Chancellor, Rajasthan Technical University by Dr. Mahesh Bunde , Principal & Director, PCE with virtual Bouquet & Memento.	3:03 PM - 3:05 PM
3.	Report of the Event by Track Chairs, Technovation 2021 <ul style="list-style-type: none"> ● Mr. Amol Saxena, HOD, IT, PCE ● Dr. Garima Mathur, Track Chair, EC ● Dr. Pravin Sonawane, Track Chair, EE ● Dr. Narayan Lal Jain, Track Chair, ME ● Dr. Pran Dadhich, Track Chair, CIV 	3:05 PM - 3:15 PM
4.	Address by Mr. Rahul Singhi , Director, Poornima Group	3:10 PM - 3:15 PM
5.	Address by Dr. Mahesh Bunde , Director & Principal, PCE	3:15 PM - 3:20 PM
6.	Event Feedback by Participants	3:20 PM - 3:25 PM
7.	Introduction of Chief Guest Prof. R. A. Gupta, Vice Chancellor, Rajasthan Technical University by anchors and Address by the Chief Guest	3:25 PM - 3:35 PM
8.	Announcement of Winners & Virtual Prize Distribution to Winners of the event	3:35 PM - 3:45 PM
9.	Vote of Thanks by Mr. Pankaj Dhemla, Vice Principal, PCE	3:45 PM - 3:50 PM
10.	Group Photograph	3:50 PM - 3:55 PM

WINNERS LIST - TECHNOVATION-2021:

Track 1: Computer Engineering & Information Technology					
Award	Paper ID	Authors	Title	Author Email IDs	Affiliation
First	T1_P_CS_018	Md Mojahidul Islam, Dipta Talukder and Malarvizhi N.	An IoT based Smart Saline Level Monitoring System for Health Care Applications	vtu18598@veltech.edu.in, vtu18596@veltech.edu.in, drnmalarvizhi@gmail.com	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
Second	T1_P_CS_038	Rishi Goyal, Ridhvi Kulshrestha, Richa Garg, Ishan Jain, Priyansh Sharma and Sonam Gour	A Review on Google Lens Clone using Image Recognition	2019pccsrishi140@poornima.org, 2019pccsriddhvi139@poornima.org, 2019pccsricha158@poornima.org, 2019pccsishan75@poornima.org, 2019pccsp@poornima.org,	Poornima College of Engineering Dr. Mahesh Bunde B.E.M.E., Ph.D. Director Poornima College of Engineering 151-0, PUGO Institutional Area Ghatapada, JAIPUR

				sonam.gour@poornima.org	
Track 2 & 3: Electronics & Communication Engineering and Electrical Engineering					
First	T2_P_ECE_002	Siddhant Goswami and Deepak Karia	Compact Metamaterial Octagonal Antenna for Wireless Body Area Network	siddhantgoswami23@gmail.com, deepak_karia@spit.ac.in	Sardar Patel Institute of Technology, Mumbai
Track 4 & 5: Mechanical Engineering and Civil Engineering					
First	T5_P_CV_020	Sangeeta Soibam, Vivek Laishram and Albino Kumar Potsangbam	Kinetics and Thermodynamics studies of enhanced Cr(VI) adsorption using activated carbon prepared from a low-cost adsorbent	sangeetasoibham46@gmail.com, viveklaishram53@gmail.com, albinioit@gmail.com	National Institute of Technology, Manipur
First	T4_P_ME_083	Lakshay Khandelwal, Kalpit Jain and Lakshay Mittal	Potential barriers in the adoption of block chain technology	2018pcemelakshay37@poornima.org, er.kalpit1988@gmail.com, 2018pcemelakshay38@poornima.org	Poornima College of Engineering, Jaipur
Second	T4_P_ME_025	Md Yusuf Rahmani and Surendra Kumar Saini	Hybrid Ultrasonic Welding: a review	2019pcemeyusuf703@poornima.org, surendra.kumar@poornima.org	Poornima College of Engineering, Jaipur

Track 1: Computer Engineering & Information Technology					
Award	Model ID	Authors	Title	Author Email IDs	Affiliation
First	T1_M_CS_031	A Sai Pavan Teja and A Kumar	Intelligent Systems for Automatic Supervision of Temperature and Social Distancing in Institutions / Organizations	20pa1a0405@vishnu.edu.in, 20pa1a0408@vishnu.edu.in	Vishnu Institute of Technology, Andra Pradesh
Track 2 & 3: Electronics & Communication Engineering and Electrical Engineering					

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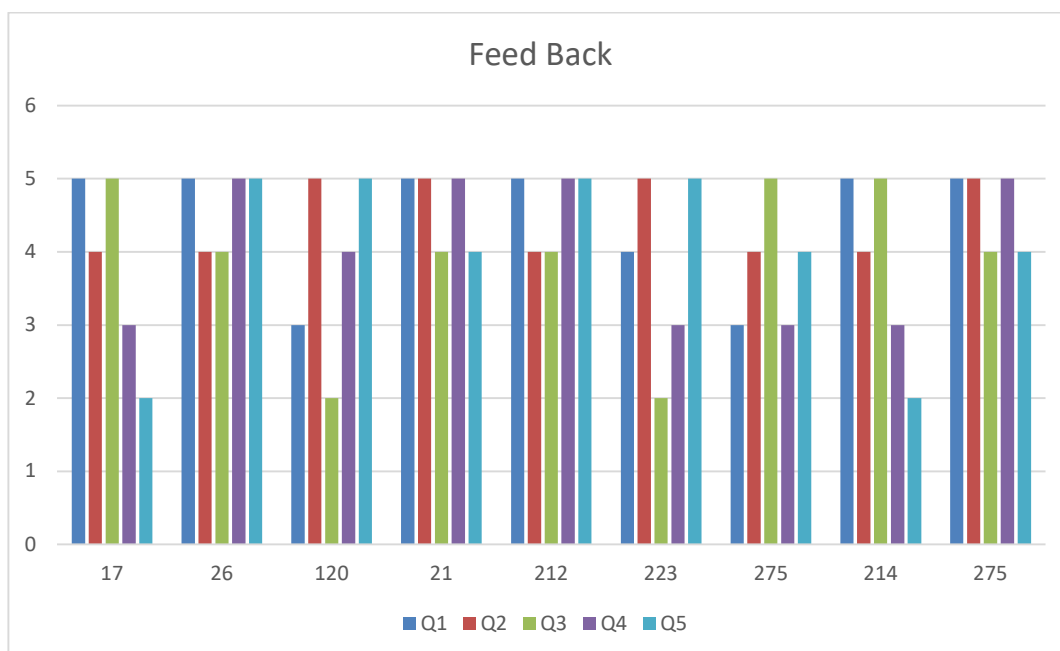
First	T3_M_EE_259	Mohit Joshi, Nidhi Singh Bunker, Mayank Yadav, Khushi Verma and Jatin Agarwal	Scenario Making Using IPG Carmaker	2019pceeemohit40@poornima.org, 2019pceeenidhi43@poornima.org, 2019pceeemayank36@poornima.org, 2019pceekhushi27@poornima.org, 2019pceeejatin23@poornima.org	Poornima College of Engineering, Jaipur
Track 4 & 5: Mechanical Engineering and Civil Engineering					
First	T5_M_CV_075	Tannu Yadav, Pooja Meena, Abhishek Saini and Bhumi Verma	Arduino GPS Vehicle Tracker	2020pcecetannu44@poornima.org, 2020pcecepooja54@poornima.org, 2020pceceabhishek04@poornima.org, 2020pcecebhumi56@poornima.org	Poornima College of Engineering, 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?


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♦ **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


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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 recognize their best contributions.

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♦ **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.

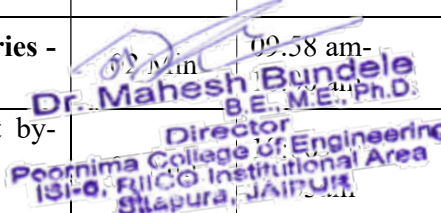
In Technical Paper and Model Contests -2022, Conference management toolkit system was utilized to cater the enthusiastic response making it to around 250 received manuscripts and projects across countries. All the registered papers and projects are accepted for the contest. Bachelor, Master & Doctoral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

♦ PROGRAM OUTLINE:

Programme Outline	
Saturday, Day 1: 12 th December, 2020	
09:00am – 10.00am	Welcome Reception and Registration Opens
10:00am – 11.00am	Inaugural Function <ul style="list-style-type: none"> • Prof. (Dr.) R.A. Gupta , Hon'ble Vice Chancellor , RTU Kota (Chief Guest) • Dr. Mahesh Bunde, 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. Balwan Sheshma, HOD-CIV, PCE—Track Chair CIVIL • 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		
2.30 pm – 5.00 pm	Parallel Sessions		
	Track I (CS/IT)	Track II (ECE &EE)	Track III(ME & Civil)
	Session 2 Paper Presentation Competition	Session 2 Paper Presentation Competition	Session 2 Paper Presentation Competition
Sunday, DAY 2: 13 th December, 2020			
10:00 am – 12:30pm	Parallel Sessions		
	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		
1:00 pm – 3:30 pm	Parallel Sessions		
	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	05 Min	09.58 am- 10:03 am
4.	Welcome of Dignitaries and Introduction of Event by- Anchors	 Dr. Mahesh Bunde B.E., M.E., Ph.D. Director Poornima College of Engineering ISI-0, RIIIG Institutional Area Ghatapada, JAIPUR	

	Prof. (Dr.) R.A. Gupta , Hon'ble Vice Chancellor , RTU Kota (ChiefGuest) Dr. Mahesh Bunde le, 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 Bunde le, 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 Bunde le, 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
- Sh. Hari Singh Shekhawat, Director (Infra), Poornima Group, Jaipur
- Ar. Rahul Singhi, Director, Poornima Group, Jaipur.

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General Chairs:

- Dr. Mahesh Bunde, 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 Tsaramiris, MIEEE, UK
- Dr. Nidaa A. Abbas, College of Engineering of Babylon, MIEEE, IRAQ
- Dr. R. C. Bansal, Queensland College of Engineering, Australia
- Dr. Raed Abd-Alhameed, College of Engineering of Bradford, UK
- Dr. Sattar B. Sadkhan, SMIEEE, IRAQ, Chairman
- Dr. Sedat Akleylek, Ondokuz Mayıs 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 Tbesa, Algeria
- Prof. Li Zhiwu, HRCSP, 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

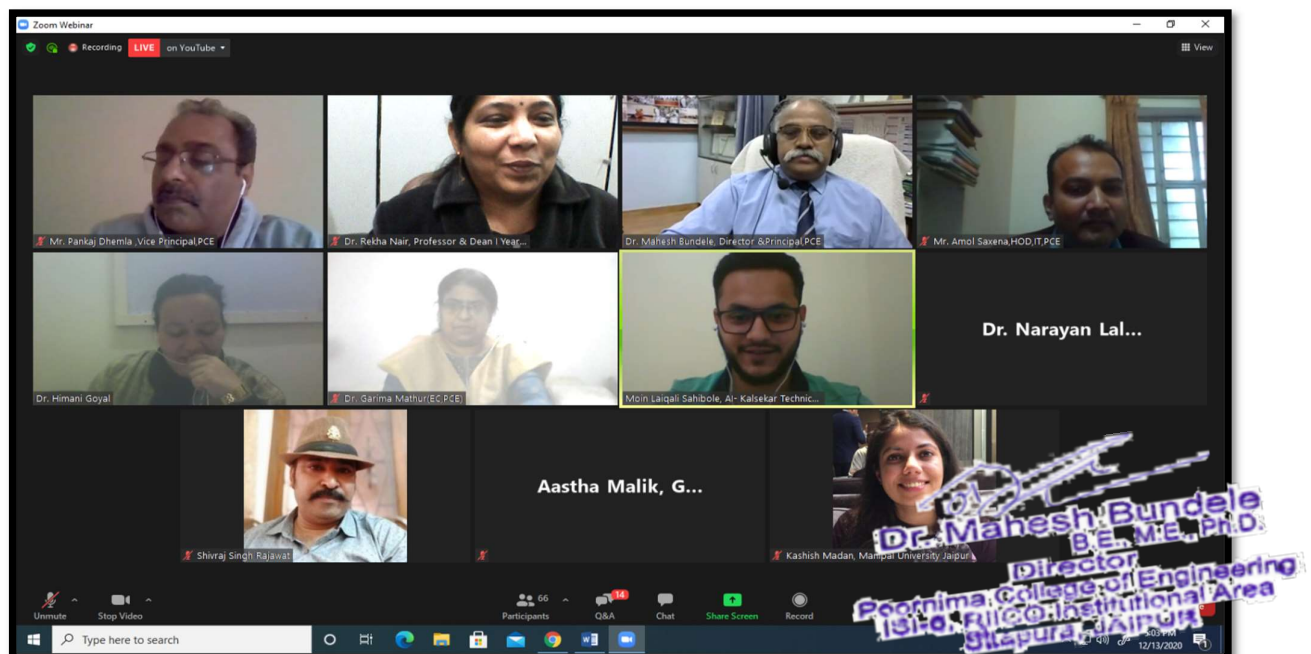
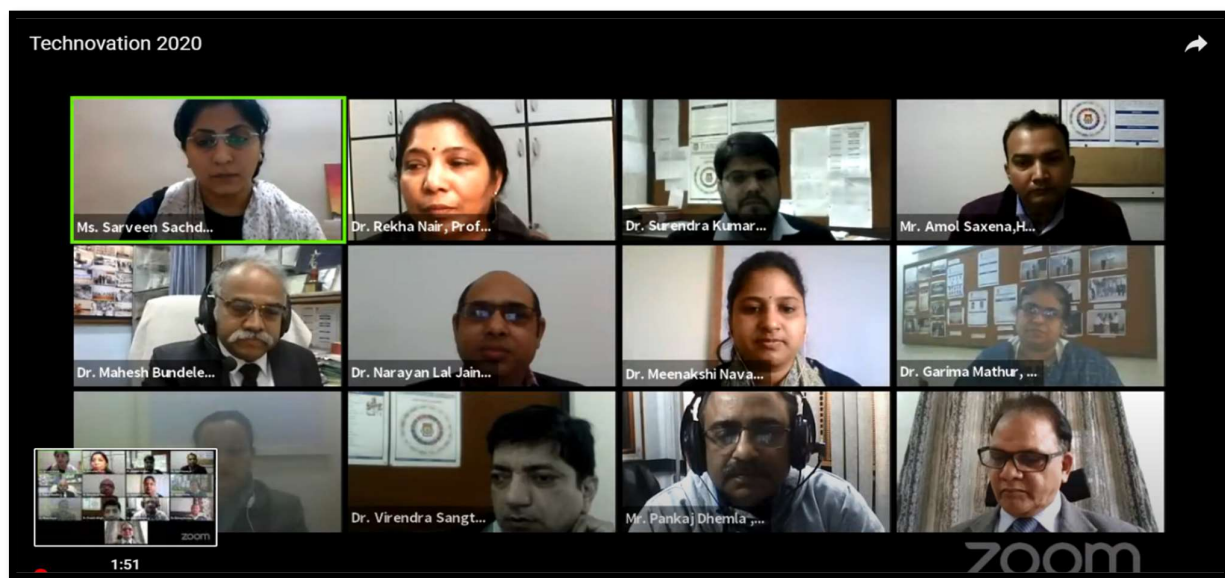

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- Dr. Carlos M. Travieso-Gonzalez, College of Engineering of Las Palmas de Gran Canaria, SPAIN.
- Dr. Anil Tiwari, Professor & Head, EE, IIT, Jodhpur, Secretary, IEEE Rajasthan Subsection, India
- Dr. M. C. Govil, Director, NIT, Sikkim, Jaipur
- Mr. 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

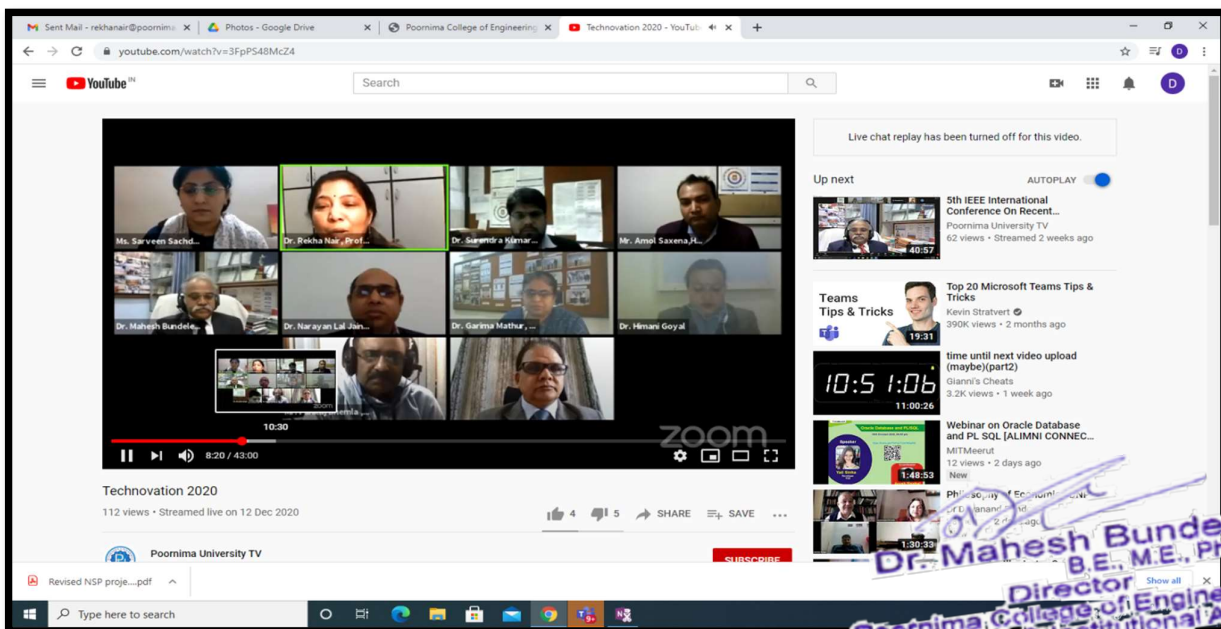
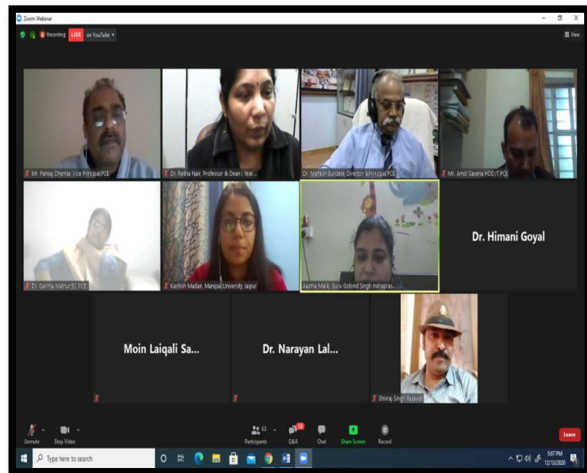

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- Dr. R. S. Gupta, Chair, IEEE EDS Chapter, Delhi Section
- Dr. Shabana Urooj, IEEE Delhi Section
- Dr. Rajveer S Shekhawat, Director SC&IT, MU, Jaipur
- Prof. Mridula Gupta, Chair, IEEE WIE, Delhi Section
- Dr. A. Murali M Rao, Chair IEEE CS Chapter, Delhi Section

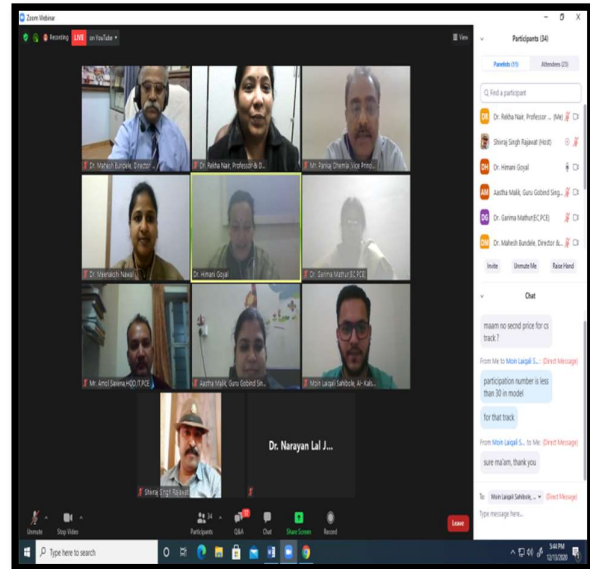
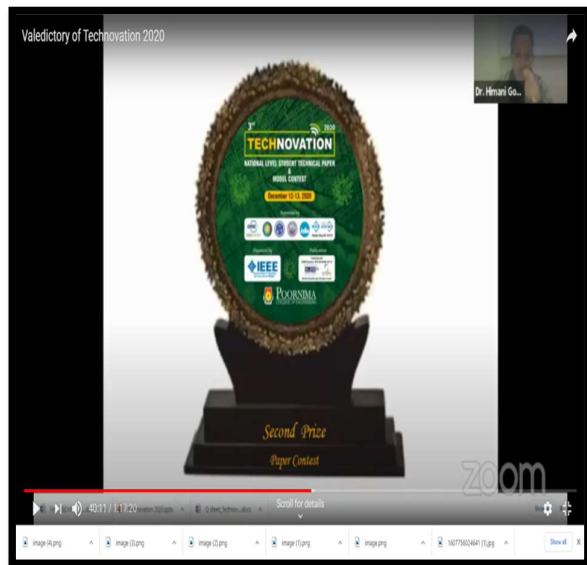
♦ GLIMPSES OF PRESENTATIONS:



Poornima College of Engineering - Activity Report – 2020-21



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♦ 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 Model for Health Monitoring using Machine Learning
9	CS_P_38	Akshita Parakh and Sita Gupta	A Review of Face Recognition Using Machine Learning

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			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 II A Survey

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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 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 Government of Karnataka (Govt) Fake Government

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			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 Sekharaiah Kanagaluru 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, Sweetly 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
66	CS_P_145	Vikrant Khajuria, Rohit Sharma, Shlok Tiwari and	A Research

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		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 Shreansh 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 Lakhota	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

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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, Sankalp 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 effect of digital marketing strategies on customer behaviour

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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 Approach for Social In

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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 Resource Allocation in 5G Communication

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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 Conveyor Belt Using PIC Microcontroller Residential Area

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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 Rotor Bas

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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 Conversion
33	EE_P_234	Shubham Kumawat and Monika Verma	Increasing Efficiency of an Electricity Inverter from Solar Energy with a

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			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	Bhaves 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 Decision Making
4	ME_P_89	Shubham	Industry 4.0 Innovations and their applications in Corona

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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 printing in Automobile industries
23	ME_P_300	Sarthak Jagdaley, Rohit Pradhan, Pintu Sharma, Mohmmad Yameen and	Utilization of Cow Dung in Agriculture of Bio Bricks

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		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 A Review on Design of Bubble Deck Slabs
14	CIV_P_250	Mohit Choudhary	A Review on And Strengthening of Concrete

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			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 ML

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		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

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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, Prashansa 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


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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


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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	Optimization 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	Bhavesk 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

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		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	Proposal 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

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4.	<p>Welcome of Dignitaries and Introduction of Event by- Anchors</p> <p>Dr. Mahesh Bundele, Director &Principal,PCE</p> <p>Mr. Pankaj Dhemla ,Vice Principal,PCE</p> <p>Dr. Rekha Nair, Professor & Dean I Year, PCE- Convener Technovation 2020</p> <p>Dr. Surendra Kumar Yadav, HOD,CSE, PCE- Track Chair CSE</p> <p>Dr. Garima Mathur, HOD,EC,PCE—Track Chair ECE</p> <p>Dr. VirendraSangtani,HOD,EE,PCE—Track Chair EE</p> <p>Dr. Narayan Lal Jain, HOD,ME,PCE—Track Chair ME</p> <p>Mr. BalwanSheshma ,HOD,CIV,PCE—Track Chair CE</p> <p>Dr. Himani Goyal, Convener, Technovation 2020</p>	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


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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	2019pcecsaurav58@poornima.org rmaheshrathi115@gmail.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@outlook.com taranggoel05@gmail.com ayushg162@gmail.com js_sainani@yahoo.com	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.com uttamkolekar@gmail.com shruti.atit@gmail.com	RAIT, Nerul, India APSCO RAIT, Nerul, India
Track 3: Electrical Engineering					
First	EE_P_137	Arshad Mohammed, Dr.Mohammed Sajid and Prawej Alam	Analysis Of Converter-Fed Rotor Based Induction Machine	arshad.eee202@gmail.com sajideee@mjcollege.ac.in prawejalam859@gmail.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 2018pcei@poornima.org	Dr. Mahesh Bunde B.E., M.E., Ph.D. Director Poornima College of Engineering 151-0-PUICO Institutional Area Ghatapada, JAIPUR

		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

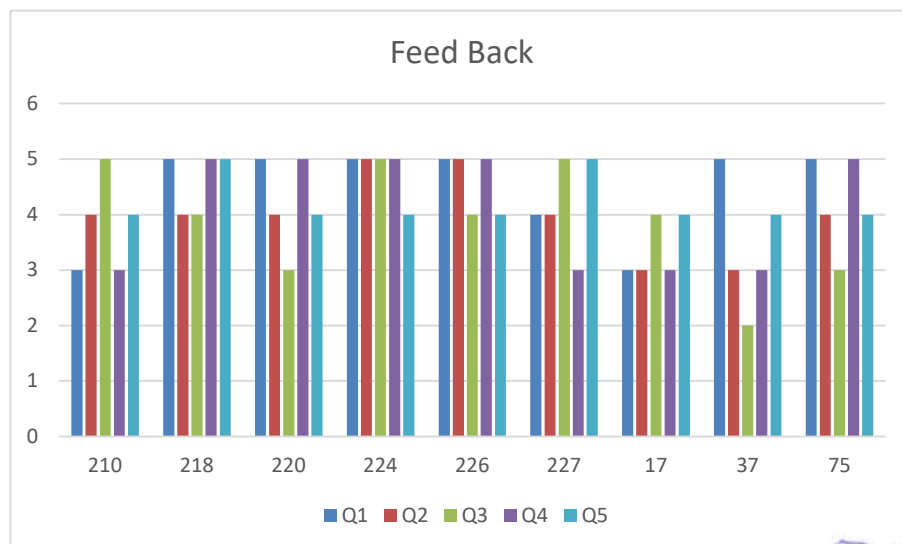
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First	ME_M_3 11	Pulikt Jangir, Saurabh Milky, Shinto Mathew, Tushar Jindal and Mr. Sanjay Kumawat	Solar Drone	2017pcemepulkit079@poornima.org 2017pcemesaurabh088@poornima.org 2017pcemeshinto089@poornima.org 2017pcemetushar096@poornima.org sanjay.kumawat@poornima.org	Poornima college of engineering
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♦ 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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POORNIMA
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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 to recognize their best contributions.

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♦ **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:**



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♦ 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 PCE

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♦ **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 Bundeale, 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 Bundeale 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 Bundeale
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.

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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

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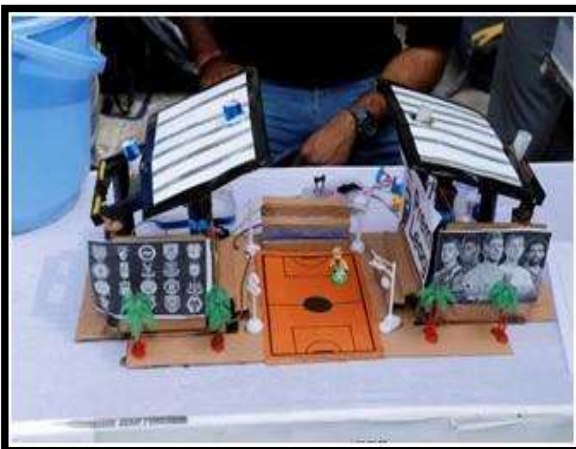

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♦ **LIST OF THE PARTICIPANTS:**

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, Rashmi 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 cloud computing intelligence
11	CS_P_28	Shreyanshi Jain and Sita Gupta	A Review on Password Authentication

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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

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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 & Analysis 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 Networks
51	CS_P_231	Pranshu Ambwani	Study on Deep Learning for Optimizing Road Traffic Depend on Different Parameters
52	CS_P_232	Rajat Dey	A Self Learning

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			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 data 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 of Cloud Computing Technology

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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 TRANSACTIONS 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 Using Artificial Intelligence

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21	EC_P_219	Vishakha Mathur	WIRELESS SENSOR NETWORK SECURITY ATTACKS
22	EC_P_227	Vishnu Bochiwal	Handwriting 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 Conduction Monitoring and Diagnostic Methods for Medium-Voltage Induction Motors
7	EE_P_127	Jagdish Kumar Sonal,	Comparative Study of

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		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 Chemical 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 Storage System for

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			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 Tiwari and 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 P Improvement in Solar Photov
37	EE_P_288	Mohammed Anas Khan and	Carbon Nano Tubes

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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 simulation of transport in GaAs double-gate p-MOSFETs:

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			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 Project Decentralized Power India
69	EE_P_340	Shipra Sharma	Different applications and

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			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 supercapacitor 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
86	EE_P_378	Dheeraj Parihar and Gaurav	Request Side management of a

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		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

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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 Nanotechnology

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		Mohammed 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 Dhabhi, 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 steering 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 kitchen waste(solid waste management)
21	ME_P_193	Naman Bansal, Bhagchand	Waste heat recovery using

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		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 absorption 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 starting 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 Rajapurohit	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 Footing

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		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_35 4	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_36 2	Bharati Bharati And Himanshu Agarwal	Utilization of Polyethylene Plastic waste in brick
6	CIV_P_36 3	Shashank Shukla, Bhumika Barodia And Rishiraj Meena	soil properties investigation
7	CIV_P_36 4	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_36 5	Nishant Jangid, Kishan Kumar, Manjeet Kumar And Prince Gupta	Treatment of water
9	CIV_P_36 6	Akash Sharma, Hariom Upadhyay, Ishteyaque Ahmad, Akshay Chauhan And Shruti Bhargava	Review Paper on Waste Industrial Material Used in Concrete
10	CIV_P_37 4	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_37 5	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_37 6	Pritesh Agrawal	A Review on Stabilization of Bentonite Soil using different waste with the Betterment of Nature and Mankind
13	CIV_P_37 9	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_38 0	Shanker Prasad Mishra And Pradeep Kumar Khanwani	Design of Wind Energy Structure
15	CIV_P_38 1	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_39 0	Shruti Bhargava, Devashray	utilization of in water after recycling
17	CIV_P_39 1	Madhav Rathi, Sourabh Goliyan	USE OF WASTE BITUME
18	CIV_P_39	Yash Yadav, Vipin Jangir,	Sustainable Use of Waste

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	2	Akul Jaiswal	Materials in Pavement Quality Concrete
19	CIV_P_40 2	Pragya Nagar, Manoj Borana, Pankaj Kumar, Rahul Kumar	Analytical study of Stabilisation of expansive soils
20	CIV_P_40 6	Vijay Singh Meena, Sanjay Singh Siradhana, Ritesh Kumar Meena, Shubham Meena	an investigation on effect of ultrasound waves on sludge treatment

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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
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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 Images
14	CS_M_78	Ayush Prashant	Plant Disease Detection Using Deep Learning
15	CS_M_82	Hitesh Gupta, Ashutosh Malik and Ankit Agarwal	Smart Parking System
16	CS_M_83	Kapila Jain, Kritika Sharma	Loan Risk Prediction Using

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		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
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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 Aaqib 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 Tool For Database

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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

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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 Call

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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_104	Lakshit Jain, Manthan Sharma, Kishan Prajapati and Chirag Goyal	Automatic Medicine Vending Machine
12	EC_M_105	Ayushi Parashar, Divya Kumari, Ishika Shaktawat and Garima Jain	Fire Fighting Robot
13	EC_M_107	Parth Kamra, Vinay Pokharna, Visheshta Gautam, Yathansh Arora and Nikita Jeph	Gesture Vocalizer
14	EC_M_109	Smriti Anand, Sakshi Kumari and Shashikant Dubey	Advance Military Spying Sonar Radar System Using Arduino And Ultrasonic Sensor
15	EC_M_110	Ansh Munjal, Ankita Soni, Kumar Saurav and Anamika Tiwari	Path Tracker Using Arduino Pro Mini Made For Blinds
16	EC_M_111	Shruti Guin, Rishab Agarwal, Prithviraj Kashyap and Sapana Mahawar	Smart Receptionist With Smart Lock System
17	EC_M_114	Ritika Saini, Ruchika Sharma, Ram Kinkar Das Triphati and Pushkar Raj Panday	Automation Of Ambulance
18	EC_M_121	Ravi Kumar, Pankaj Kumar Sharma, Piyush Shekhawat, Paramveer Singh and Ritwik Bhowmick	Spy Robot
19	EC_M_122	Shubham Singh, Suresh Bhati, Vaibhav Singh and Suchitra Singh	Voice Control Home Automation Using Arduino
20	EC_M_123	Lokendra Singh Rathore, Himanshu Mathur, Abhishek Soni and Ankush Goyal	Digital Sensor Based Home Automation
21	EC_M_126	Shivendu Vashishtha, Supriya Prasad, Shreya Bhardwaj and Prachi Bhura	Electronic Voting Machine Using Raspberry Pi
22	EC_M_137	Bharti Meena, Charvi Sharma, Aditi Gupta and Kiran Kumari	Arduino Weather Station
23	EC_M_138	Anit Srivastava, Prateek Lakshkar, Mohit Maheswari and Mohit Yadav	Radar Security System
24	EC_M_15	Abhishek Gaur, Amit	Speaking System For Dumb

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	8	Sharma, Abhishek Sharma, Abhinav Naveen and Abhinav Saxena	People Using Hand Gestures
25	EC_M_16 6	Deepthi Pundir, Diksha Buntolia, Gunjan Bansal and Binay Pratap	5G
26	EC_M_16 8	Naman Jain, Mukesh Kumawat and Nikhil Agarawal	Military Eye
27	EC_M_16 9	Naman Jain, Mukesh Kumawat, Nikhil Agarawal and Rahul Pareek	Military Eye Robot
28	EC_M_17 1	Abhishek Gautam, Dhananjay Shukla, Aadish Khan and Jenish Kumawat	Advance Atm Security
29	EC_M_18 2	Ms Yashika Arora, Priyanka Ghosh, Chetan Swami and Devendra Sharma	Smart Restaurant System
30	EC_M_18 4	Sakshi Sharma, Shivani Trivedi, Saloni Kumari and Vikash Kushwaha	Automatic Wheelchair
31	EC_M_18 9	Khushboo Chhabra, Jyoti Singh, Himanshu Saini and Nilesh Devra	Smart Energy Meter Using GSM
32	EC_M_20 5	Ashish Garg, Brijesh Saini, Ayush Shringi and Amit Singh Rajawat	No-Load And Overload Protector For AC Motor
33	EC_M_23 7	Rupesh Kumar Prasad, Sonu Kumar, Santosh Kumar and Shailesh Kumar	Smart City Road Transportation
34	EC_M_23 8	Ishrat Khan, Kaushal Kumar and Ekta Srivastava	Light-Fidelity
35	EC_M_29 8	Aditya Deep and Anikesh Jee	Iot Home Automation
36	EC_M_30 0	Puneet Sharma, Pravin Solanki, Rohit Sharma and Prahlad Singh	IOT Based Weather Forecasting
37	EC_M_30 7	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_20 2	Abhishek Diggiwal, Akshay Dayma and Pranav Kumar Mishra	Closed Loop Speed Control Of DC Motor Using Arduino
2	EE_M_20 3	Ajay Nagar, Ajay Meena and Amit Kumar Sharma	Plc Based Automatic Washing System
3	EE_M_20	Abhishek Saini, Abhishek	Three Phase Fault Detection With

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	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 Haladiya 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 Control Using Gsm
21	EE_M_31 8	Mayank Chimnani, Kapil Gupta, Nisha Meena,	Optimization Of Smart Grid

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		Priyanka Nama, Krishna Kumar and Jobin Thomas	
22	EE_M_32 4	Gaurav Choudhary, Prashant Kala, Ronak Meena and Ranjit Singh Solanki	Gsm And Gps Based Vechicle Tracking System
23	EE_M_32 6	Sushil Choudhary, Sahil Garg, Sourabh Sharma, Sachin Meena and Mayank Sharma	Automatic Irrigation System With MSG Alert
24	EE_M_32 9	Sanjay Nagar, Suraj Rajawat, Ravi Patidar, Ravi Prajapat and Ankita Bhatia	Dtmf Based Home Automation
25	EE_M_33 3	Ritika Srivastava, Rupesh Bansal, Parth Sarthi and Sachin Sharma	Hvps 1kv
26	EE_M_34 5	Rupal Mittal, Roma Solanki, Sahil Thakur and Devendra Doda	Implementation Of Wind Charger On AC Applications
27	EE_M_40 0	Rajat Goyal, Dr. Babita Jain, Pankaj Gakhar	Persent scenario and technical review of smart grid in india
28	EE_M_40 3	Harshad Kalal	Biogas production process
29	EE_M_41 0	Shivam Pareek, Amit Shrivastava, Pankaj Gakhar	Grid interconnection of Renewable energy sources at distribution level with power quality improvement features
30	EE_M_41 1	Pawan Singh, Sandeep Kumar, Rohan Kumar Bohara, Pranjal Pal Jadaun	4-WAY CHARGING SOLAR POWERED ELECTRIC BICYCLE
31	EE_M_41 9	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_10 0	Dhavesha Sharma, Dhananjay Kumar and Dr. Yashpal Kaushik	Review Of Electrochemical Machining
3	ME_M_10 1	Ajayraj Nirvan, Akash Kant and Abhinav Sharma	An Automated Smart Vehicle Monitoring System Using Anti-Collision
4	ME_M_13 9	Amit Kumar, Akshay Khatri, Harsh Choudhary, Abhishek Sarwate, Abhay Sharma, Kaushik Suthar, Bhomick Puri, Hritik Tholia, Manjeet Rawat, Md. Imtiyaz Alam,	Quad Bk

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		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

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		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

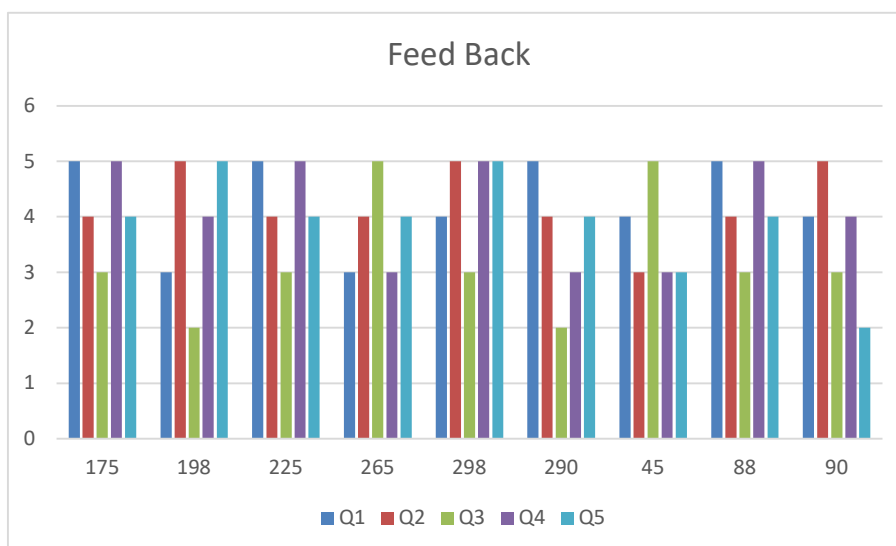
S. No.	Activities	Time	Faculties/Dignitaries
1	Seating of Faculties, Delegates & Participants	2:50 PM- 2:55 PM	
2	Arrival of Dignitaries	3:00 PM	
3	Welcome of Dignitaries <ul style="list-style-type: none"> ➤ Prof. R. P. Kashyap, Former Professor, MNIT, Jaipur (Chief Guest) ➤ Dr. Mahesh Bundeale, Director & Principal, PCE ➤ Sh. Pankaj Dhemla, Vice Principal, PCE ➤ Dr. Rekha Nair, Convener, Technovation ➤ Dr. Virendra Sangtani, Convener, Technovation 	3:00 PM-3:02 PM	
4	Lighting of Lamp by Dignitaries	3:02 PM -3:05 PM	All Dignitaries
5	Felicitations of Dignitaries by bouquet & mementoes	3:05 PM-3:10 PM	Prof. R. P. Kashyap by Dr. Mahesh Bundeale
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 Bundeale
10	Introduction followed by Address by Chief Guest	3:35 PM-3:40 PM	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	Recap area

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♦ 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


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