

Sinhgad Technical Education Society

RMD SINHGAD TECHNICAL INSTITUTES CAMPUS

(Approved by AICTE & Affiliated to Savitribai Phule Pune University, Pune)

Off.: S. No. 111/1, Warje, Pune-Mumbai Bypass Highway, Pune – 411 058.

Phone: 020-29996622/33 E-mail: principal.rmdssoe@sinhgad.edu Website: <http://rmdstic.sinhgad.edu>



Sinhgad Institutes

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING.**

Report on AVISHKAR-22 - Research Project Competition

Sr. No	Event Details	
1)	Name of Event	Research Project Competition
2)	Institute name	RMD Sinhgad School of Engineering
3)	Date, time and Venue of Event	15 th Sept 2022,
4)	Participants	All final year students of RMD Sinhgad School of Engineering, faculties.
5)	Purpose	To enhance innovative ideas and research skills amongst students and faculties as well.
6)	Teacher Coordinator	Dr. Pratibha M. Alandkar.
7)	Student co-ordinator	1. Shivani B. Bhikule (BE E&Tc) 2. Sushil Vedpathak (BE E&Tc)



Detailed Report:

AVISHKAR -2022 , a research project competition, initiated by Savitribai Phule Pune University, Pune , organized in RMD Sinhgad School of Engineering, Warje, Pune on 15th September 2022 as per the revised guidelines received from SPPU, Pune, Ref. No. : IQAC/69 dated 08/09/2022. Inauguration of the event was done by Principal/ Director Dr. V. V. Dixit. Following his speech, all HODs along with Principal sir has evaluated all the ideas. According to innovativeness, social usefulness, the ideas were evaluated.

Total number of groups participated were UG Level: 27, PG Level: 01 and Teachers Level: 01. For UG level each group had three students.

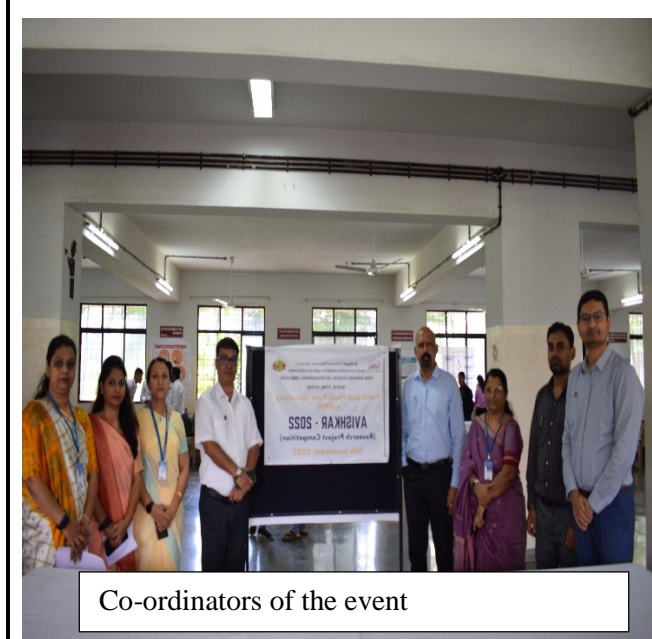
Two groups from each department were selected and awarded prize. Winning teams are promoted to appear for next level of competition.

Photographs:





Photo at a glance



Co-ordinators of the event



Co-ordinators with Judges

CONCLUSION:

The event was coordinated very nicely and smoothly. Everyone was motivated to do better. In a way AVISHKAR-22 was a great success.

Dr. Pratibha M. Alandkar
ARC, RMDSSOE,
Warje, Pune - 58

Dr. V. V. Dixit
Principal / Director,
RMD STIC, Warje, Pune – 58



List of Participants

Level: UG

Sr. No.	Name of the Participant	Name of the Department	Name of the Project	Area of Research
1	Pranit Wankhede	IT Engineering	Persona Prediction via CV/Resume Analysis	Machine learning
	Srushti Dandle			
	Vipul Nikam			
	Gayatri Darshane			
2	Arbaz Attar	IT Engineering	Investment Portfolio management system using machine learnig	Machine learning
	Shubham Narale			
	Piyush Kulkarni			
	Pranay Mule			
3	Rohit Thomare	IT Engineering	Start in to start up	Blockchain
	Suyog Patil			
	Abhishek Khairnar			
	Pankaj Patel			
4	Vishakha Sisodiya	IT Engineering	Teacher Management System	Engineering and Technology
	Sanika Jagtap			
	Srushti Sonar			
	Anurag Jagtap			
5	Pratik Bhor	IT Engineering	Message lock searchable encryption	Cloud, AI
	Priti Ughale			
	Sakshi Bhongal			
	Anish Karkhanis			
6	Mansur Khan	IT Engineering	Smart Connect	Engineering and Technology
	Pallavi Ghodake			
	Silky Kedar			
	Snehal Kadganchi			
7	Sukanya Patil	E&TC Engineering	Automatic Railway Gate Opening and Unmanned Level Crossing	Image Processing & Raspberry Pi
	Prajakta Boin			
	Gayatri Mete			
	Sushil Vedpathak			



8	Deep Thakare Rushi Nagargoje Aditya Bhosale	E&TC Engineering	Social Distancing system using Ultrasonic Sensor	Ultrasonic frequency measurement
9	Saniya Upendra Bhargav Potdar Ankur Raj	E&TC Engineering	Anomaly Detection in Videos using Machine Learning	Machine Learning
10	Abhishek Bora Utkarsha Sonawane Akash Bhosale	E&TC Engineering	Plant Leaf Disease Detection using AI for Precision Agriculture	Artificial Intelligence
11	Sharangdhar Pawar Pranav Kondhekar Viraj Hulawale	E&TC Engineering	Portable Ventilator	Biomedical
12	Aachal Khadke Swapnali Mali Apurva Dhaigave	E&TC Engineering	Students Biometric Attendance System	Image Processing
13	Prasad Mete Shalu Pandey Dhanashree Suryawanshi	E&TC Engineering	Electric Vehicle Battery Charging Station using IoT	Internet of Things
14	Devesh Gahulekar Tejas Patil Vivek Badgujar	E&TC Engineering	Land Area Calculating Unmanned Arial Vehicle	Image Processing
15	Rushikesh Khirsagar	CIVIL Engineering	To Study Effect of Replacement of Sand In Concrete By Industrial Slag (BFS)	Concrete Technology
	Lokesh Pawar			
	Komal Gawari			
	Sagar More			
16	Altaf Patel	CIVIL Engineering	To Study of Concrete Using GGBS and Lithium Salt	Concrete Technology
	Vishnu Jadhav			
	Aashwini Mule			
	Nikhil Rathod			
	Pradeep Mundhkar			
17	Kale Shreyas	CIVIL Engineering	Experimental Study on Small Size RC Circular Column Confined With CFRP Strips	Structural Engineering
	Nishant Patil			
	Shubham			



	Mahale			
	Himanshu Deore			
18	Piyush Nagapure	CIVIL Engineering	Utiliation of Silica fume to improve performance of concrete	Concrete Technology
	Tejas Salunkhe			
	Shubham Todkar	Computer Engineering	Model for Image Denoising and Generating Clear image with Rest ASPI and GUI Applications	Image Processing
Vaishnavi Ugale				
Siddhika Patil				
19	Viraj Sure	Computer Engineering.	Fack Product Detection Using Blockchain Technology	Blockchain Technology
	Kishan Tiwari			
	Akshay Gupta			
	Nikita Patil			
20	Akash Sabale	Computer Engineering.	Handwritten Script Character Extraction From Physical Documentation	Machine Learning & Image Processing
	Aryaman Nasare			
	Anushka Joshi			
	Shravani Chandratre			
	Aditya Sanap			
21	Patil Vaishnavi Sanjeev	Computer Engineering.	Road Object Detection System	Machine Learning & Image Processing
	Shende Krutadnya Suresh			
	Ravi tulashidas gavhane			
	Raj ramnaresh kewat			
22	Kate Kadambari	Computer Engineering.	KidZee Using Augmented Reality	Machine Learning & Augmented Reality
	Sheth Kevin Jayesh			
	Gaur Ajay			
	Paliwal Yash			
23	Ajinkya kotwal	Computer Engineering.	Ensuring IoT data integrity using block chain	Blockchain Technology
	Omkar Satpute			
	Prem Khandelwal			
	Rishikesh Mahajan			



24	Sayali Pawar	Computer Engineering	Contactless Fingerprint Verification System	Machine Learning & Image Processing
	Sakshi Kumbhar			
	Aishwariya Nair			
	Mayuri Zade			
25	Piyusha Patil	Computer Engineering.	Aid, Charity and Donation tracking system using Blockchain	Blockchain Technology
	Parth Mangalkar			
	Manjusha Katkhede			
26	Mayur Pansare	Computer Engineering.	Decentralize Voting System Using Blockchain	Blockchain Technology
	Atharva Raskar			
	Tushar Kamble			
	Vishal Chumbalkar			
27	Rohan Sanjay Desale	Mechanical Engineering.	Vortex Induced Vibrations	Fluid flow concept
	Shantanu			
	Raghunath kale			

Level: PG

Sr. No.	Name of the Participant	Name of the Department	Name of the Project	Area of Research
1	Ravina Ashok Yadav	Civil Engineering	An Experimental Study on Strength Characteristics of Pervious Concrete By Executing Partial Addition of Glass Fibre and Polypropylene Fibre	Construction and Management

Level: Teachers

Sr. No.	Name of the Participant	Name of the Department	Name of the Project	Area of Research
1	Mr Abhijeet Datye	Civil	Techno Economic Comparison Of Mechanized Waste Water System	Waste Water Management

List of Winning Participants

Level: UG

Sr. No.	Group No	Name of the Participant	Name of the Department	Name of the Project	Area of Research
1	3	Arbaz Attar	IT Engineering	Investment Portfolio management system using machine learning	Machine learning
		Shubham Narale			
		Piyush Kulkarni			
		Pranay Mule			
2	5	Rohit Thomare	IT Engineering	Start in to start up	Blockchain
		Suyog Patil			
		Abhishek Khairnar			
		Pankaj Patel			
3	1	Sukanya Patil	E&TC Engineering	Automatic Railway Gate Opening and Unmanned Level Crossing	Image Processing & Raspberry Pi
		Prajakta Boin			
		Gayatri Mete			
		Sushil Vedpathak			
4	4	Sharangdhar Pawar	E&TC Engineering	Portable Ventilator	Biomedical
		Pranav Kondhekar			
		Viraj Hulawale			
5	8	Rushikesh Khirsagar	CIVIL Engineering	To Study Effect of Replacement of Sand In Concrete By Industrial Slag (BFS)	Concrete Technology
		Lokesh Pawar			
		Komal Gawari			
		Sagar More			
6	11	Kale Shreyas	CIVIL Engineering	Experimental Study on Small Size RC Circular Column Confined With CFRP Strips	Structural Engineering
		Nishant Patil			
		Shubham Mahale			
		Himanshu Deore			
7	1	Aditya Sanap	Computer Engineering.	Handwritten Script Character Extraction From Physical Documentation	Machine Learning & Image Processing
		Anushka Joshi			
		Aryman Nasare			
		Shravani Chandratre			
8	8	Kishan Tiwari	Computer Engineering.	Fake Product Detection Using Blockchain	Machine Learning & Image Processing
		Akshay Gupta			
		Nikita Patil			
		Akash sabale			
9	1	Rohan Sanjay Desale	Mechanical Engineering.	Vortex Induced Vibrations	Fluid flow concept
		Shantanu Raghunath kale			

**Level: PG**

Sr. No.	Name of the Participant	Name of the Department	Name of the Project	Area of Research
1	Ravina Ashok Yadav	Civil Engineering	An Experiemntal Study on Strength Characterisitcs of Pervious Concrete By Executing Partial Addition of Glass Fibre and Polypropelene Fibre	Construction and Management

Level: Teachers

Sr. No.	Name of the Participant	Name of the Department	Name of the Project	Area of Research
1	Mr Abhijeet Datye	Civil	Techno Economic Comparison Of Mechanized Waste Water System	Waste Water Management