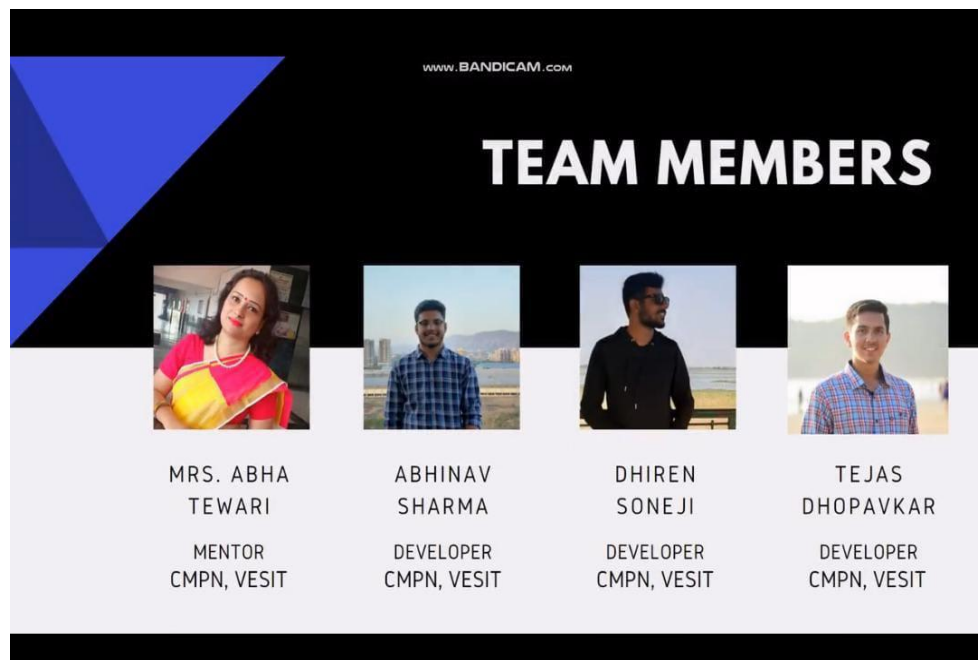Students of the Department of Computer Engineering have participated and have also won various competitions in the academic year 2021-22 (July 2021 - June 2022). The achievements of the students have been categorized as mentioned below.

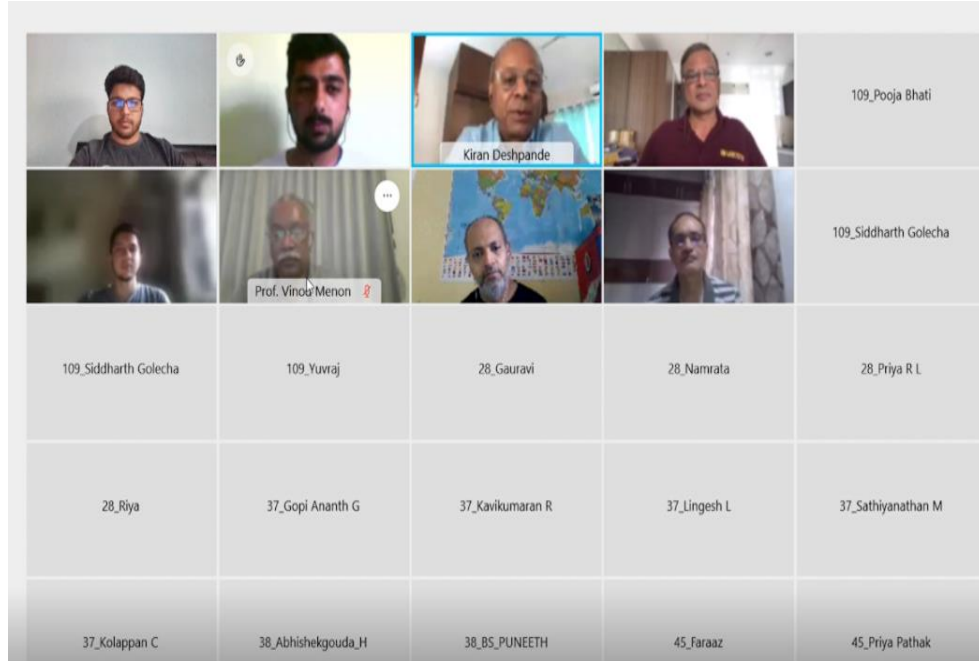## Achievements in Project Competitions:

I   E-Yantra 2021

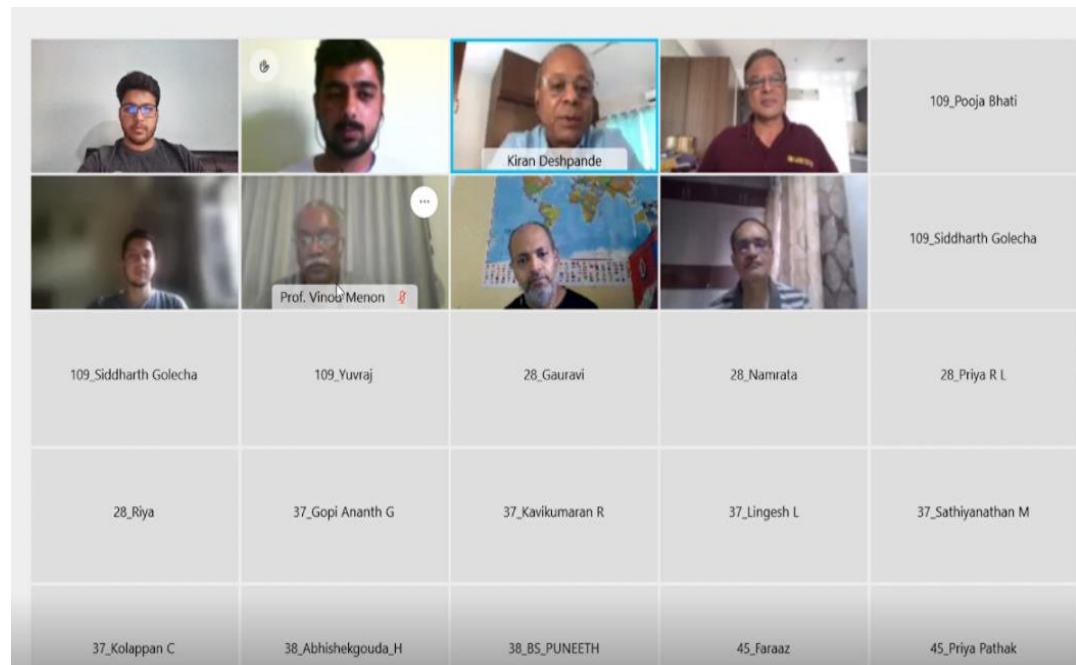| Sr. No.	Project Title	Name of Students	Mentor	Achievement	Proof
1	Rainfall induced landslide monitoring system in Uttarakhand	Abhinav Sharma/D12A, Dhiren Soneji/D12A, Tejas Dhopavkar/D12A	Mrs. Abha Tewari	Bronze medalist	Certificate

eYIC Meet Snapshot: Project -COVID -19 Care: Face Mask and Social distancing detection

eYIC Meet Snapshot: Project-Rainfall induced landslide monitoring system in Uttarakhand

II   **VISAI 2022 International Project competition** - VIRTUAL 12th INTERNATIONAL PROJECT COMPETITION AND EXHIBITION

Project Title: Prime Era - One Place for Learning Fundamentals Of Regional Languages
Team Members: Siddhesh Gadge, Kedar Kharde,Rohit Jadhav, Siddhesh Bhere
Mentor : Mrs. Indu Dokare
Achievement : 1st Position

Prof. Indu Dokare with Student Team

III   **Creative Ideas & Innovations In Action (CIIA) Contest** :

Under the guidance of VESIT-IIC, students of the Department of Computer Engineering attended the **Creative Ideas & Innovations In Action (CIIA) Contest** (a project by the Rotary Club of Bombay and Baldev Sharma's Marshalls Foundation powered by The Times of India Group) conducted on **29th March & 30th March 2022.** Out of the 15 groups that participated for the contest from the Institute, **6 groups were selected from the Department of Computer Engineering.** It was an opportunity for them to showcase their working models to Startups, Research Institution, Industry, Corporates, Defense or other Establishments. Along with the Expression of Interest received, students were motivated towards enhancing their projects to the next level.

Students along with Mentors on Day 1 (29th March 2022)

The Projects presented by the students were as follows:

1. **Group - 1 :**

   Project Title : VoteChain is a decentralized voting system using blockchain technology

   Team Members: Payal Kukreja (D12C), Payal Mangtani (D12B),

   Sakshi Ailsinghani (D12A), Kumodh Kukreja (D12B)

   Mentor: Prof. Veena Trivedi

   Prof. Veena Trivedi along with the student Team

2. **Group - 2 :**

Project Title : A web application to record daily whereabouts of the user

Team Members : Jahnavi Mulchandani(D12A),

Shruti Koku (D12A),

Aryan Gupta(D12A),

Ruchika Dusija(D12A

Mentor **:** Prof. Mannat Doultani

Prof. Mannat Doutlani along with the student Team

3. **Group - 3 :**
Project Title : 'Covid Detection from Normal and Pneumonia cases using Chest X-Ray'

Team Members : Nirmiti Sali (D12C),
Srushti Biwalkar (D12C),
Nimisha Khadilkar (D12C),
Amisha Swamy(D12C)

Mentor : Prof. Nusrat Ansari

Prof. Nusrat Ansari with the student Team

4. **Group - 4 :**
Project Title : Road Conditions Detection
Team Members :Sneha Karthik(D12C),

Srishti Shetty(D12C),
Gauri Mahajan(D12C),
Mrunmayee Waingankar(D12C)

Mentor : Prof. Vidya Zope

Prof. Vidya Zope along with the student Team

5. **Group - 5 :**
   Project Title : Tomato Leaf Disease Detection System
   Team Members : Akhil Chakkungal (D12B),

Riya Shukla(D12B),
Samita Kanojia(D12B),
Palak Garg(D12B)

Mentor : Lifna C.S
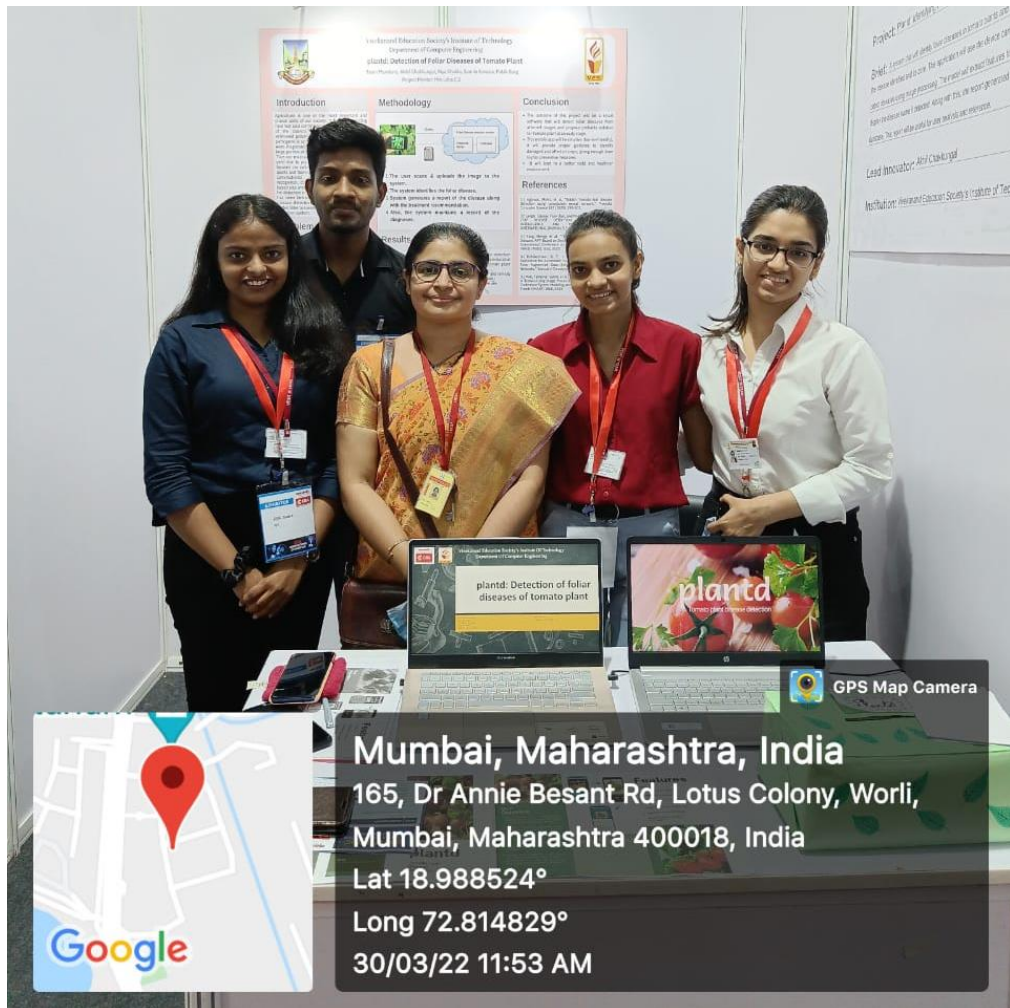
Prof. Lifna C S along with student Team

6. **Group - 6 :**

Project Title : Build essential cognitive skills through various memory games

Team Members : Roshni jaisinghani (D7A),

Sahil Dodeja(D7A),

Vanshika Makhijani(D7A),

Divya Makhija(D7A)

Mentor : Prof. Pallavi Saindane

Prof. Pallavi Saindane along with the student Team

IV **Internal Hackathon : For Smart India Hackathon 2022 (19th March 2022)**

VESIT had called registrations for SIH 2022. 51 software teams and 6 Hardware teams were registered. Toal 26 teams from CMPN registered for the software category. The elimination Round was conducted by VESIT Renaissance Cell. **17 software teams from CMPN were shortlisted for**

the Internal Hackathon. Internal Hackathon was conducted in offline mode on 19th March 2022 in VESIT Library from 8:30 am to 5:00 pm .

6 final teams and 2 waiting teams were shortlisted from CMPN for SIH 2022.

Details of the participating teams are as below:

SR. No.	Team Name	Team Members	Problem Statement Title	Award/ Achievement
1	BetaVerse	Kunal Kotkar/D17B Sanket Jangale/D17B Tanvi Shetty/D17B Rohit Jadhav/D17B Siddhesh Bhere/D17B	Artificial Intelligence Based mobile application for the workers and website based admin tool for management.	Finalist
2	ByteCoders	Aashish Nair/D12C Mihir Pamnani/D12C Mrunmayee Waingankar/D12C Akash Sonare/D12C Sneha Karthik/D12C Jay Deshmukh/D12C	Speech Emotion Recognition (SER) on live calls while creating events	Finalist
3	Tensors	Tejas Mahajan/D12A Rushabh RIjhwani/D12C Juhi Chhatlani?D12A Vaidehi Bhagwat/D12A Aishwarya Krishnamurthy/D12A Himanshu Behra/D12B	Student Innovation	Finalist
4	Binary Brains	Garv Jhangiani/D12A Muskan Hassanandani/D12A Shreya Hegde/D12A Prerak Moolchandani/D12A Orijeet Mukherjee/D12A Kapish Madhwani/D12A	Optimum proximal fuel station indicator	Finalist
5	Solution Makers	Sejal Kriplani/D17C Dimple Nachnani/D17C Mayur Pawar/D17A Etisha Mathurvaishya/D17C Khushi Zawar/D17B	Attendance systems for students of government aided schools	Finalist

6	INNOVATORS	Varun Bhat Manasee Parulekar Bhuvana Raisinghani Shubhranshu Arya Amit Chhabria Divesh Hariani	Enabling alternative accessible strategies for persons with speech impairment.	Finalist
7	The Hex Clan	Paras Patil/D12B Rashmi Singh/D12B Asmita Bhangare/D12B Shubhangi Zope/D12B Hrithika Singh/D12B Vishesh Mittal/D12B	Student Innovation	Finalist (Waiting List)
8	BridgeTheGap	Yashraj Desai/D12B Shreyas Poojari/D12B Mihir Rane/D12B Aniket Dewnani/D12B Dhruvisha Mondhe/D12B Rutuja Patil/D12B	Making Career Choices and AI-based counseling accessible to every child at secondary level along with aptitude test and Detailed Career Paths	Finalist (Waiting List)
9	HexCoderz	Shubham Zope/D12AJ N Guru Akaash/D12A Minal Katware/D12A Anurag Saraswat/D12A Nihar Kenny/D12A	An AI/ML based solution that generates short summaries of press releases for easy and more targeted dissemination of information to the people. Such a TL,DR (Too Long, Didn't Read) software may be integrated in an app-based solution.	Shortlisted for Round I
10	API Dhillon	Shreeja Nanda/D17B Shreyas Udupa/D17B Manoj Ayyappan/D17BAashish Nagpal/D17B Anmol Devnani/D17B Gurudatt Gaonkar/D17B	Develop an application that can detect tumors on lung CT scans for diagnosis of Lung Carcinoma	shortlisted for round I
11	Webscape	Mohit Shahdadpuri/D7A Isha Desai/D7A Riya Nadagire/D7A	Tracking the attendance of students for timely granting of aids from	Shortlisted for round I

		Chaitanya Sondur/D7A Vansh Pahuja/D7A Kaushik Sahasranaman/D7A	government.	
12	INNOVATORS	shivani kulkarni/D17C Saloni Ingle/D17C Yashkumar Jain/D17B Aniket Pawar/D17A Jayesh Dhanrajni/D17B	A straightforward framework for automatic proctoring to create online tests, effortlessly.	Shortlisted for round I
13	The Six-Up	Radhika Katiyara/D12A , Drishti Katiyara/D12B , Laveena Kithani/D12A , Varsha Jawrani/D12B , Payal Kukreja/D12C	Digital Grammer Teacher	Shortlisted for round I
14	HEXA\CODE	Krish Amesur/D17A Aditya Gurnani/D17A Omkar Mane/D17A Advait Naik/D17A/ Aabha Ranade/D17A Rashmi Manwani/D17A	A simplified app for assessment of reading and writing difficulties in persons with Specific Learning Disabilities.	Shortlisted for round I
15	Code Brigade	Puneet Meghrajani/D17A Divya Raisinghani/D17A Sejal Budhani/D17A Riya Matwani/D17A Gauravi Tolamatti/D17A Sakshee Sawant/D17B	Accessing visual information (written information) by persons with visual disability.	Shortlisted for round I
16	Bugs & Bytes	Yash Wadhwani/D17C Bhavesh Lohana/D17C Dimple Nachnani/D17C Harshita Kanal/D17C Jatin Chhabria/D17C Muskan Tanna/D17C	Attendance systems for students of government aided schools	Shortlisted for round I
17	Grassrooters	Tanay Phatak/D7B Neeraj Chawla/D7B Yashraj Mulwani/D7A Paarth Kulkarni/D12B Shivoham Angal/D12B	App for government asset management	Shortlisted for round I
18	Coding Wizards	Srushti Biwalkar/D12C Chouhan/D12CGadhave/D12C Nikita Jha/D12C	E-commerce for Artisans	Participant

		Shaikh Insha/D12C		
19	BetaVerse	Kunal Kotkar/D17B Sanket Jangale/D17B Tanvi Shetty/D17B Rohit Jadhav/D17B Siddhesh Bhere/D17B	Ticketless Entry System to Monuments/Museums	Participant
20	Debug Entity	Sakshi Talreja/D12C Riya Ranglani/D12C Nimisha Khadilkar/D12C Anand Tekwani/D12C Amisha Swamy/D12C	Attendance systems for students of government aided schools.	Participant
21	Technocrats	Yash Narkhede/D7B Japneet Rajput/D7C Yashvi Dhar/D7C	To develop Mobile software for guiding the tourist (Char Dham Yatra & other places) in Uttarakhand state.	Participant
22	ByteCoders	Aashish Nair/D12C Mihir Pamnani/D12C Mrunmayee Waingankar/D12C Sneha Karthik/D12C Akash Sonare/D12C Jay Deshmukh/D12C	Speech Emotion Recognition (SER) on live calls while creating events.	Participant
23	Team JARVIS	Shivani Shenai/D17B Vedant Sawant/D17B Gaurav Patil/D17B Saurav Telge/D17A Maitraiyi Dandekar/D17B Abhijit Thikekar/D17A	NR1167 : Developing a solution for Gesture enabled commands for operating Laptops/PCs for frequently used operations on daily basis.	Participant
24	tashyd	Ayush Jain/D7B Siya Doshi/D7C Harsh Bakhtar/D7B Tanmay Thakare/D7B Dhananjay Pai/D7B Yash Brid/DSE/CMPN/	AI based chatbox	Participant
25	TechBots	Tanmay Thakare/D7B Harsh Bakhtar/D7B Ayush Jain/D7B Siya Doshi/D7C	AI based Chatbot to answer FAQs	Participant

		Dhananjay Pai/D7B Yash Brid/D7B		
26	Webscape	Mohit Shahdadpuri/D7A Isha Desai/D7A Riya Nadagire/D7A Chaitanya Sondur/D7A Vansh Pahuja/D7A Kaushik Sahasranaman/D7A	To develop one's ability to manage time for relevant aspects of one's life	Participant

V   LBS Championship 2021-22:

S.No.	Title of the project	Team Members	Mentor	Awards
1	GistGator (MoM)	Shubham Zope D12A Ajay Nair D12A J N Guru Akaash D12A Nihar Kenny D12A	Mrs. Ruchi Rautela	2nd Runner Up
2	AttendMe:Student Attendance System Using NFC	Riya Shukla D12B Akhil Chakkungal D12B Samita Kanojia D12B Palak Garg D12B	Dr. Dhanamma Jagli	Finalist
3	Kisan Mitra Bot	Yashraj Desai D12B Aniket Dewnani D12B Shreyas Poojari D12B Mihir Rane D12B	Dr. Nandini Ammanagi	Finalist
4	Online Railway Ticket Booking System	Isha Desai D7A Riya Nadagire D7A	Mrs. Mannat Doultani	Finalist
5	SHIKSHA - A Career Guide	Yash Kriplani - D12A Disha Raghani - D12A Chirag Dayaramani D12A Laveena Kithani - D12A	Dr.Saylee Gharge	Finalist
6	Forum for VES	Anurag Saraswat D12A Manigandan Kasimani D12A Karan Sharma D12A Prithvi Kumar D12A	Mr. Prashant Kanade	Finalist
7	Caeser Cipher Cyber Security	Yashraj Mulwani D7A Nikhil haswani D7A	Mrs. Amrita Jhaveri	Participant
8	Disaster Response using Twitter	Meet Patel D12A Varun Tripathy D12A Aashutosh Baraskar D12A	Mrs. Dipti Karani	Participant

		Yogesh Khatri D12A		
9	Hospital Management System	Gautam Wadhwani (D7B) Yash Narkhede (D7B) Vinit Patil(D7B) Tanmay Thakare(D7B) Dhananjay Pai D7B	Mrs. Nusrat Ansari	Participant
10	KeyLogger	Om Madat D7A Figo Cardozo D7A	Mrs. Asha Bharambe	Participant
11	VED : Ayurvedic website	Bhargav Mungekar D7C, Aarya Lotke D7C, Suraj Patel D7C, Niranjan Yeole D7C	Mrs. Jayshree Hajgude	Participant

VI   Departmental Technology Day, Pradarshan'22:

Department of Computer Engineering, VESIT in association with IQAC organized Departmental Technology Day, Pradarshan'22 (A Project Competition) on 28th March,2022 Monday.

Event Poster : Pradarshan'22

Details of the Student Teams:

Sr. No.	Name of the Students	Class	Project Title	Area of Specialization	Mentor Name	Award
1	Nirmiti Sali	D12C				1st Prize

	Name	Class	Project	Domain	Guide	Prize
	Srushti Biwalkar	D12C	Detection of Covid-19 using Chest X-Rays	Image Processing	Mrs. Nusrat Ansari	
	Nimisha Khadilkar	D12C				
	Amisha Swamy	D12C				
2	Siddhesh Gadge	D17B	Prime Era - One place for learning fundamentals of Indian regional languages and Indian sign language	Product design and Development	Mrs. Indu Dokare	1st Prize
	Siddhesh Bhere	D17B				
	Rohit Jadhav	D17B				
	Kedar Kharde	D17B				
3	Prem Chhabria	D17B	Secured Data Communication	Networking and Security	Dr. Sharmila Sengupta + Mrs. Sunita Suralkar	2nd Prize
	Jay Jhaveri	D17B				
	Abhay Gupta	D17B				
	Neeraj Ochani	D17B				
4	Parthesh Pawar	D17B	Unremitting Surveillance: A Patient Monitoring System	IoT and Robotics	Mr. Richard Joseph	2nd Prize
	Sanket Jangale	D17B				
	Kunal Kotkar	D17B				
	Aashish Nagpal	D17B				
5	Akhil Chakkungal	D12B	Identifying Foliar Diseases in Tomato Plants	Data analytics and Machine Learning	Mrs Lifna.C.S	3rd Prize
	Riya Shukla	D12B				
	Samita Kanojia	D12B				
	Palak Garg	D12B				
6	Sahil Lotya	D17B	Detection of ADR from vaccine safety data	Industry	Sujata Khedkar	3rd Prize
	Nikhil gangaramani	D17c				
	Akansha Ahuja	D17A				
	Shivani Kulkarni	D17C				
7	Roshni jaisinghani	D7A	Android - Memory Game Development for Kindergarten	Product design and Development	Mrs. Pallavi Saindane/ Mrs. Ashwini Gaikwad	Finalist
	Sahil Dodeja	D7A				
	Vanshika Makhijani	D7A				

	Divya Makhija	D7A				
8	Payal Kukreja	D12C	Votechain : A Decentralized Voting System	Networking and Security	Mrs. Veena Trivedi	Finalist
	Payal Mangtani	D12B				
	Sakshi Ailsinghani	D12A				
	Kumodh Kukreja	D12B				
9	Jahnavi Mulchandani	D12A	Amigo: My virtual friend	Data analytics and Machine Learning	Mrs.Mannat Doultani	Finalist
	Shruti Koku	D12A				
	Aryan Gupta	D12A				
	Ruchika Dusija	D12A				
10	Sneha Karthik	D12C	Road Condition Detection	Image Processing	Mrs. Vidya Zope	Finalist
	Srishti Shetty	D12C				
	Gauri Mahajan	D12C				
	Mrunmayee Waingankar	D12C				
11	Manasvi Patwa	D12C	Towards attaining SDG with AI: assessment of riverine plastics	AI, Deep Learning and DWH Mining	Mrs.Sharmila Sengupta	Finalist
	Bhavika Chattani	D12C				
	Sahil Deshmukh	D12A				
	Varnit Batheja	D12A				
12	J N Guru Akaash	D12A	AI based statistical analysis of land-use plastic pollution in India	AI, Deep Learning and DWH Mining	Mrs.Priya R.L.	Finalist
	Nair Ajay Ravidran	D12A				
	Manigandan Kasimani	D12A				
	Varun Tripathy	D12A				
13	Parth Paresh Wadke	D12A	Forecasting of Carbon Emission due to Meat Industry	AI, Deep Learning and DWH Mining	Mrs. Sunita Sahu, Mrs. Richa Sharma & Mrs. Manisha Mathur	Finalist
	Vivek Shivkumar Gonal	D12A				
	Divesh Vijay Watwani	D12A				

	Prithviraj Chavan	D12B				
14	Aashish Ramesh Raheja	D12B	Climate, Air Pollution and Forest fires : AI based models for Indian case study.	AI, Deep Learning and DWH Mining	Dr. Mrs.Nupur Giri	Finalist
	Kartikey Verma	D12B				
	Ashwin Pansare	D12B				
15	Amit Dinesh Chhabria	D17C	Cloud Computing & HPC	Automated visual inspection of silicon detectors in CMS experiment	Dr. Nupur Giri	Finalist
	Rashmi Manwani	D17A				
	Priyanka Asrani	D17C				
16	Swarangi Dali	D17C			Mr. Richard Joseph	Finalist
	Vaishnavi Ainapure	D17A				
	Ajay Singh Khalsa	D17C				
17	Aabha Ranade	D17A	AI, Deep Learning and DWH Mining	OCR Based Systems	Mrs. Priya R. L + Mrs. Lifna C.S	Finalist
	Dhwani Serai	D17B				
	Dhiren Soneji	D17A				
	Abhinav Sharma	D17A				
18	Salonee Velonde	D17B	Data analytics and Machine Learning	Touchless Attendance System	Dr. Gresha Bhatia + Mrs. Abha Tewari	Finalist
	Dimple Nachnani	D17C				
	Mayur Manik Pawar	D17A				
	Sejal Kriplani	D17C				
19	Rahul Koli	D17B	Product design and Development	Business Meeting Summarization	Rupali Hande	Finalist
	Jayant Mukundam	D17C				
	Muskaan Sharma	D17A				
	Harshita Mishra	D17C				
20	Rounak Talreja	D12A	Industry (Product design and Development)	Paddy: To detect and prevent paddy crop disease	Mrs.Sharmila Sengupta	Finalist
	Prium Rohera	D12A				
	Varsha Jawrani	D12B				

	Bhajan Watwani	D12C				
21	Shreya Shah	D17C	Industry (Product design and Development)	AgriCare	Mrs.Sharmila Sengupta	Finalist
	Ian Sequeira	D17C				
	Etisha Mathurvaishya	D17C				
	Chinmay Waykole	D17C				
22	Dheeraj C. Yadav	D12C	Image Processsing	Sign Language Recognition System	Rupali Hande	Finalist
	Laksh Lalwani	D12C				
	Naman Tahilyani	D12C				
	Shubham Goswami	D12C				

VII   Avishkar Projects :

Sr. No.	Name of the Student	Title of the project	Mentor	Award
1	Siddhesh Gadge Siddhesh Bhere Rohit Jadhav Kedar Kharde	Prime Era - One place for learning fundamentals of Indian regional languages and Indian sign language	Mrs. Indu Dokare	Participant (ongoing)
2	Parthesh Pawar Sanket Jangale Kunal Kotkar Aashish Nagpal	Unremitting Surveillance: A Patient Monitoring System	Mr. Richard Joseph	Participant(ongoing)

VIII   **Tech4Good-2022 A National Level Technical Conclave:**
Total 10 teams from CMPN were shortlisted for Tech4Good-2022,organized by VESIT. Tech4Good 2022 was A national-level platform to showcase the productive work done by students and Faculty using Advanced Technological innovations for the betterment of society.

Other Achievements :

● Vishesh Mittal (D12B) selected by Mitacs and Professor Philippe Pasquier from Simon Fraser University – Surrey to receive a 2022 Globalink Research Internship award.

SFU   AICTE   **Mitacs**

2022-02-28
Application ID: 111311

GLOBALINK RESEARCH INTERNSHIP AWARD
DISBURSEMENT INFORMATION AND PLACEMENT TERMS AND CONDITIONS

Dear Vishesh Rajiv Mittal,

Congratulations! You have been selected by Mitacs and Professor Philippe Pasquier from Simon Fraser University – Surrey to receive a 2022 Globalink Research Internship award. You are therefore invited to participate in a research project at **Simon Fraser University – Surrey**. Pursuant to an agreement with Simon Fraser University – Surrey, Mitacs will administer your **funding grant.**

Mitacs Globalink Research Internship is a competitive program that pairs top-ranked international students with specific research expertise with faculty at Canadian academic institutions for a twelve (12) week research project of mutual interest between May and October 2022. You have been selected by your Canadian host faculty project leader due to your background and skills in the research area and the unique contribution you will be making to the research during your stay. **The skills required for your role (as described in the research description below) were found to clearly match your skills set, education, and research experience.**

Research internship details

University/Institution:	Simon Fraser University – Surrey
Host professor:	Philippe Pasquier
Research project title:	Generative Electronic Music
NOC code:	4012 Post-secondary teaching and research assistants
Research description:	For over a decade, the Metacreation Lab for Creative AI has been actively researching a variety of generative systems. Metacreation is the idea of endowing machines with creative behavior (as opposed to problem-solving intelligence). At the fundamental level, it raises the question of the formalization and modeling of creativity which is relevant to both AI and cognitive sciences. At the applied level, it aims to endow machines with creative autonomous behavior to meet a growing demand from the creative industries. Our research is ongoing stream of collecting data, analysis and refining/advancing our prototype systems, working with other researchers internationally and also with music producers, composers, interface designers and artists. Here are projects for which we are recruiting: - Music Generation: https://jeffreyjohnens.github.io/MMM/ - Soundscape Generation: http://audiometaphor.ca/ - Dance Generation - Video Generation Further information available here: - https://metacreation.net/ - http://philippepasquier.net/
During your internship, you will:	This is an opportunity for students in the arts and or in technology / computer science, with an interest in Creative AI, to be engaged in a multi-disciplinary research project. We are seeking to identify multiple students in arts and or technology to work collaboratively to collect, analyze, model and test a new approach for specific generative systems. The goal is to contribute to the ongoing platforms R&D and or artistic research related to computational creativity under the direction of Philippe Pasquier.

Montréal, QC	Ottawa, ON	Toronto, ON	Vancouver, BC
406 avenue Ogilvy	56 Sparks Street	Banting Institute, University of Toronto	Suite 301 – 6190 Agronomy Road
Bureau 101	Suite 300	522 – 100 College Street	University of British Columbia
Montréal, QC H3N 1M3	Ottawa, ON K1P 5A9	Toronto, ON M5G 1L5	Vancouver, BC V6T 1Z3

- Hanisha Mohinani, Shivangee Kaw, Vinita Chugh, Om Yerawar and Mrs. Indu Dokare won Best paper presenter award in the International conference Interdisciplinary Research in Technology and Management 2022 held from 24th-26th february. Title of the research paper was "Vegetable and Fruit Leaf Diseases Detection Using ResNet".

International Conference on
INTERDISCIPLINARY RESEARCH IN TECHNOLOGY & MANAGEMENT

CERTIFICATE
OF BEST PRESENTER

THIS IS PROUDLY PRESENTED TO

Indu Dokare (Mumbai University, India)

For the paper titled

Vegetable and Fruit Leaf Diseases Detection Using ResNet

IN THE SESION
INFORMATION THEORY & CODING (SESION 3)

AT IRTM 2022 HELD FROM 24TH-26TH FEBRUARY 2022

Prof. Satyajit Chakrabarti,
Director, IEM, India

Dr. Omkar Rai, General Chair
IRTM 2022

- Sarthak Thakur, Anjali Badlani, Sanket Chowdhary, Harshita Kanal and Sharmila Sengupta Received Best Paper Award for Vayu - A proposal to address the SDG for maintaining AQI through 5G/6G mobile network,in International Conference on Interdisciplinary Research in Technology and Management held during 24th -26th Feb 2022.

IFET COLLEGE OF ENGINEERING
An Autonomous Institution
Approved by AICTE, Permanently Affiliated to Anna University,
Recognized under section 2(f) & 12(B) of UGC Act- 1956.
Recognized Research Centre of Anna University (ECE).
IFET Nagar, Gangarampalayam, Villupuram - 605 108. Website: www.ifet.ac.in

International Conference
on
Smart Technologies and Systems for Next Generation Computing
(ICSTSN 2022)
BEST PAPER AWARD
Presented to
Sharmila Sengupta
Associate Professor, Vivekanand Education Society's Institute of Technology

For the paper entitled
Vayu - A proposal to address the SDG for maintaining AQI through
5G/6G mobile network

Which was presented in IEEE International Conference on "Smart Technologies
and Systems for Next Generation Computing" held at IFET College of Engineering
on 25th and 26th March 2022.

Conference Chair   Principal   Chairman

- **Our** distinguished alumni (**Computer Engineering- Batch 2010**) **Squadron Leader Suraj Nair** conferred the coveted **"Vayu Sena Award" on 26th January, 2022** for his bravery.

Squadron Leader Suraj Nair (32105) is on posted strength of a Mi-17 V5 Helicopter Unit.

New Delhi. On 3 April 2021, San Ldr Nair volunteered to take part in a daring Casualty Evacuation mission in the vicinity to an ambush site in a known Naxalite infested area. He provided priceless inputs to the higher authorities at the control centre for effective planning and successful accomplishment of the mission. He planned the preparation and launch of the helicopters in a short notice; serving as an asset to his mission leader. After recce of the ambush site, his inputs were instrumental in effective execution of the dynamic mission.

The mission involved high risk due to the unfamiliar hostile area with Naxalites operating in proximity to the hills. During the initial recce, he manoeuvred his helicopter clear of the mission leader, simultaneously looking for disposition of own and hostile forces and locating a suitable spot for extraction. During the Cas Evac, displaying good situational awareness, he effectively guided the third helicopter towards his leader. His immaculate handling of the aircraft proved instrumental in safely recovering mortal remains from the restricted landing site with an uneven surface which was surrounded by tall trees. His deft Crew Resource Management ensured safe accomplishment of the task in a hostile area.

In the subsequent missions for support of these operations, he recovered eight mortal remains from the ambush site. He was also involved in the insertion of 120 commandos for augmenting operations. With exceptional commitment to the assigned task, presence of mind and optimum utilisation of resources at hand, he was able to effect safe and expeditious conduct of missions in the vicinity of volatile combat site.

For his act of exceptional courage and disregard to personal safety in a very hostile combat zone, Sqn Ldr Suraj Nair is conferred with the award of **Vayu Sena Medal (Gallantry).**