



Bansilal Ramnath Agarwal Charitable Trust's  
**Vishwakarma Institute of Technology**

(An Autonomous Institute affiliated to Savitribai Phule Pune University)

## **DEPARTMENT OF INFORMATION TECHNOLOGY**



# **ITVishwa**

**DEPARTMENT OF  
INFORMATION TECHNOLOGY**

**VOLUME 6 : Issue - 1 : Year - 2022-23**



**DEPARTMENT OF INFORMATION TECHNOLOGY**

# CONTENTS

**Student Club  
Activities,  
Student  
Achievements**

**Paper  
Publications,  
Industry Visit**

**Workshops/  
Seminar  
Organized,  
MoU with  
Industries**

**Student  
Internship  
and  
Placements**





## DEPARTMENT OF INFORMATION TECHNOLOGY

### Institute Vision

"To be globally acclaimed Institute in Technical Education and Research for holistic Socio-economic development."

### Institute Mission

- To ensure that 100% students are employable and employed in Industry, Higher Studies, become Entrepreneurs, Civil / Defense Services / Govt. Jobs and other areas like Sports and Theatre.
- To strengthen Academic Practices in terms of Curriculum, Pedagogy, Assessment and Faculty Competence.
- Promote Research Culture among Students and Faculty through Projects and Consultancy.
- To make students Socially Responsible Citizen

IT Vishwa

### Department Vision

"To provide student-centered state-of-the-art academically enriched environment for productive careers in the world of computing through creativity and innovation"

### Department Mission

- To promote aspiring ethically conscious engineers demonstrating sustainable employability and entrepreneurship.
- To impart quality education with the focus on analytical and problem solving skill development.
- To foster inspired scholarly environment through active student faculty participation in research and development resulting in new knowledge-base or insights.
- To prepare students to shoulder social responsibilities by application of their skill set for betterment of society.

### Message from HOD's Desk

*"We are confident enough that our Engineers will emerge as assets not only to this institution and to the organization, but also to the country at an extent. Along with academic knowledge we also train our Engineers to face the challenges in life by providing many value added courses to enhance their career prospects. The excellent infrastructure, teaching faculty of the best kind ensuring quality education such as interaction among students, parents and staff, along with Training & Placement Cell ensuring a bright future to our students."*

## DEPARTMENT OF INFORMATION TECHNOLOGY

# Students Club - GedIT

## The Off-Campus Placement Hack

Date : 7th Oct. '22

Attendees : 600+

Chief Guests: Affan Shaikh

IT - 2021 Passout

SDE at Amazon





## DEPARTMENT OF INFORMATION TECHNOLOGY

# Students Club - CSI

## Blockchain Session

Date : 27th Sept. '22

Attendees : 145

Chief Guests: Mr. Ankush Tiwari

Co-Founder & CTO, zblocks

Mr. Abhijeet Zilpewar

Co-Founder & Sr. VP, zblocks

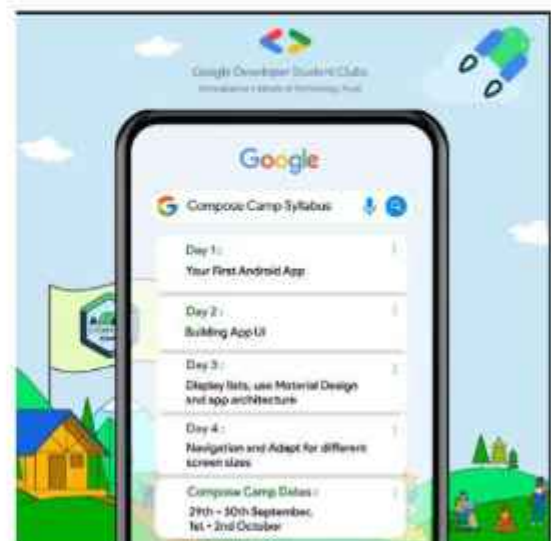


## DEPARTMENT OF INFORMATION TECHNOLOGY

# Students Club - DSC

## COMPOSE CAMP

Some of the experienced android developers of our Club would be there to guide you throughout the course. We would be having interactive sessions during the event, as needed, to discuss some topics, establish collaboration among all participants, and to address any of your doubts. This will be a 4 day long offline event from 29th September to 2nd October 2022. The All India Google Developer Team will provide the course content over a curated website, and the learning will be through sequential Learning Paths, which you can access and complete at your own time and pace. Successful completion will earn you Digital Badges on your Google Developer profile for you to flaunt on your Socials and Resume.





## DEPARTMENT OF INFORMATION TECHNOLOGY

# Students Club - IEEE

## SOCIAL VISIT

Old Age Retirement Home Swarnavihar, an institution for assisted-care living that houses elderly people in need, is located close to Sinhagad Road. Its main goal is to take care of them and help them in any manner that they can. On August 15th, IEEE SB VIT Pune organised a social visit to Swarnavihar. The crew engaged with the residents and organised several events, including a Ramayana quiz, a jam session of classic Hindi songs, and an open mic where the seniors expressed their thoughts and feelings with everyone. Our team was ecstatic with the feedback we got from them, and we also discovered a lot from our discussions.



## CODEZEST



After receiving an overwhelmingly positive reaction, CodeZest'22 was successfully held on September 11th, 2022! Our speaker, Mr. Kunal Raut, provided his invaluable insights with such passion, and our attendees, a wonderful audience, learned the roadmap to Competitive Coding and Cracking Placements under his guidance. We are very grateful. The Coding Competition after that was a big success. The competitors raced to solve as many problems as they could while still experiencing new and great things for themselves as the clock ran down.

## DEPARTMENT OF INFORMATION TECHNOLOGY

# Students Club - IEEE

## IEEE DAY

IEEE Mania was held in our college in observance of IEEE Day. The occasion was a great success. All thanks to the active participation of the students. On the campus of our college, a variety of activities were held, including Technical Heads-Up, Chess, Guess the Phrase, Pac-Robo, and more. Responses to the question "If not engineering then what?" revealed the untapped creative potential of VIT students. The technical treasure hunt in VIT really brought out the Sherlocks. It was awesome to watch all of these detectives compete on the campus. The event's participants appeared to appreciate the varied activities.



## DEVOPS WORKSHOP

A DevOps Workshop was held by IEEE VIT SB Pune from November 19—23, 2022. The workshop's goal was to give attendees the knowledge they needed to apply fundamental DevOps principles to real-world applications. With over 150 registrants, the workshop received an overwhelmingly positive response. The event kicked off with an introduction to Github and its actions, then moved on to Docker, Kubernetes, and GCP. Participants also created a project including each topic throughout the workshop. A fun quiz brought the event to a close after all attendees' questions had been answered in-person.





## DEPARTMENT OF INFORMATION TECHNOLOGY

# Students Club - IEEE

## DECODING GSOC

IEEE SB VIT Pune successfully hosted the GSoc Seminar on December 7, 2022. A session called "Decoding Google Summer of Code" was organized with the goal of educating students about GSoc. Our speaker, Avinash Vijayvargiya, a GSOC veteran (who served as a GSoc Contributor at Mifos Initiative in '22, graced the seminar with his insightful ideas and experience and helped students in their pursuit of objectives.



## DEPARTMENT OF INFORMATION TECHNOLOGY

# Student Achievements

## SMART INDIA HACKATHON 2022

Student Name : Siddhesh Desai , Rajkumar Dongre,  
Sanskriti Khedkar , Samarth Bura ,  
Sanket Disale and Tejaswini Disale

Class : SY - IT

Cash Prize : Rs. 1,00,000





## DEPARTMENT OF INFORMATION TECHNOLOGY

# Student Achievements

## VOIS INNOVATION MARATHON 2022

Student Name : Vinay Aher, Omkar Bhosle, Harsh Said , Rakeshkumar Visave, Samarth Usture and Faijan Momin

Class : TY - IT

Cash Prize : Rs. 2,00,000



\_VOIS



## DEPARTMENT OF INFORMATION TECHNOLOGY

# Student Achievements

## HACKATHON - XPERIMENT

Student Name : Harsh More

Class : BTECH - IT

Cash Prize : Rs. 2,00,000





## DEPARTMENT OF INFORMATION TECHNOLOGY

# Student Achievements

### IAS HACKTHAON

Student Name : Adwait Bhosale , Tejas Gadi ,  
Sanskruti Bahure , Dhananjay Deore  
and Aniket Kulkarni

Class : TY - IT



## DEPARTMENT OF INFORMATION TECHNOLOGY

# Paper Publication

Sr no.	Title	Authors Name	Name of Journal/Conference
1.	VR Workout with Beat Recognition using CNN Model	Premanand Ghadekar, Prapti Maheshwari, Raj Shah, Anish Shaha, Vaishnav Sonawane, Vaibhavi Shetty	International Journal of Next-Generation Computing -IJNGC
2.	Street Light Control System	Amruta Mankawade, Sanika Kadam, Omkar Kale, Aditya Kanawade, Anish Kamble, Sejal Kharche	International Journal for research in Applied Science and Engineering Technology
3.	Tracing prodromal behaviour by analysing data patterns from social media with ensemble machine learning approach	Deepali Joshi, Manasi Patwardhan	International Social Science Journal
4.	Whatsapp Chat Sentiment Analyzer	Aparna Sawant, Pankaj Kunkerkar, Aditya Jadhav, Suraj Patil, Muftaba Shaikh and Prajwal Pal	International Journal for research in Applied Science and Engineering Technology
5.	Diabetic Retinopathy (DR) Detection Using Deep Learning	Shital Dongre, Anushka Wankhade and Aditya Wanjari	IC3T, 2022
6.	Ocular Disease Prediction using Deep Learning	Kuldeep Vayadande, Varad Ingale	ICONSIP 2022
7.	A Modified Matrix Method for Efficient Computation of Bernstein Coefficients and its GPU Parallelization	Priyadarshan Dhabe, Prof. P. S. V. Nataraj, IIT Bombay	IEEE's, 2nd International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME), 2022, Maldives
8.	Detection and Categorization of patients having Alzheimer's disease: Machine Learning Algorithms	Deepali Deshpande, Atharva Bakde, Shantanu Avhad, Isha Korate, Shaunak Mahajan, Rudraksha Padole	Third International Conference on Advances in Physical Sciences and Materials 2022 (ICAPSM 2022)
9.	A Time Series Classifier based Ensemble for Predictive Maintenance of Machines	Deepali Deshpande, Dhruva Khanwelkar, Nirvisha Soni, Juhi Rajani, Chirag Vaswani and Harsh More	ICICV-2022 (Third International Conference on "Innovations in Computational Intelligence and Computer Vision")
10.	Automatic Vehicle Monitoring System	Deepali Deshpande, Varun Gujarathi, Siddhant Nawale, Vaishnav Loya, Somanshu Bhat and Siddhesh Wani	ASCIS - 2022 (International Conference on Advancements In Smart Computing And Information Security)
11.	Online Voting System using Blockchain	Deepali Deshpande, Manthan Tagad, Tejas Katkade, Tanmay Sharma, Abhishek Tayde and Aditya Thombre	ASCIS - 2022 (International Conference on Advancements In Smart Computing And Information Security)
12.	Prediction of flight ticket Compliance using different Regression and Classification Models	Zarinabegam K.M, Samruddhi Pate, Roshita Bhonsle, Vithika Pungliya, Ankur Raut, Atharva Purohit	AIS2C2
13.	Design and Testing Of - SEMAC - Semester Management and Collaboration System	Pankaj Kunkerkar, Devang Manramkar, Ayush Gundewar, Ishan Gujrathi, Somesh Kamnapure	INDICON 2022 IEEE 19th India Council International Conference



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# Paper Publication

Sr no.	Title	Authors Name	Name of Journal/Conference
14.	Predicting Quality of Wine with Different Machine learning Algorithms in R language	Zarinabegam K M	ICASEM, 2022
15.	The Smart Landmine Detector	Shweta Kambare, Al-Hussain Hakim Shaikh, Akshay Jadhav, Soham Akotkar, Prathamesh Aldar, Pratham Alekar	International Journal for research in Applied Science and Engineering Technology
16.	Mergers and Acquisitions Prediction using Hybrid-Machine Learning and Deep Learning Approach	Premanand Ghadekar, Prasanna Akolkar, Preeti Oswal, Sara Dixit, Divsehaj Anand,Naman Chandak	ICRAIE Conference- 22
17.	Facial Expression Recognition Based on Deep Learning	Premanand Ghadekar, Joydeep Datat, Gurdeep Singh, Divsehaj Singh Anand, Preeti Oswal, Aryan Kumar Gupta, Dheeraj Sharma, Shreyas Khare	ICRAIE Conference- 22
18.	Predictive analysis of multiple diseases using ensemble learning	Premanand Ghadekar, Khushi Jhanwar, Ameya Karpe, Tanishka Shetty, Akash Sivanandan and Prannay Khushalani	ASSIC -2022 Conference
19.	Fundamental Analysis of Equity Instruments Using Entity Embedding Neural Networks	Premanand Ghadekar, Chirag Vaswani, Dhruva Khanwelkar, Harsh More, Nirvisha Soni and Juhi Rajani	ASSIC -2022 Conference
20.	Stylized NFT Progressive Neural Paintings using Brush Stroke prediction	Premanand Ghadekar, Prapti Maheshwari, Raj Shah, Anish Shaha, Vaishnav Sonawane and Vaibhavi Shetty	ASSIC -2022 Conference
21.	Fish Species Classification, Disease Prediction and Predictive Health Analytics	Premanand Ghadekar, Sanket Jadhav, Tejas Pacharne, Sanika Divekar, kshiti Taley, Pruthviraj Deshmukh.	ICAIDS-2022 Conference
22.	Customer Transactional Analysis along with Customer segmentation and Feedback Analysis	Premanand Ghadekar, Aditya Wanjari, Anushka Wankhade, Mohit Lalwani, Nitesh Sonawane, Shreshthi Yadav	ICAIDS-2022 Conference
23.	Effective Mid-Day Meal analysis depending on children's needs using Machine Learning	Premanand Ghadekar,Shantanu Avhad, Atharva Bakde, Isha korate, Shaunak Mahajan, Rudraksha Padole	ICAIDS-2022 Conference
24.	Efficient Memory Allocator using different Algorithms and Memory Paging demonstrater	Kuldeep Vayadunde, Shubham Mulay	SPICON-2022
25.	Efficient System for CPU Metric Visualization	Kuldeep Vayadande, Rooshita Bhonsale,Ankur Raut	ICRAIC 2k22

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# Paper Publication

Sr no.	Title	Authors Name	Name of Journal/Conference
26.	A review Paper on Heart Disease Prediction	Kuldeep Vayadande, Rohan Golawar	Techno Societal 2022
27.	Traffic Sign Recognition System using YOLO: Societal System for Safe Driving	Kuldeep Vayadande, Rohit Patil	Techno Societal 2022
28.	An improved way to implement Round Robin Scheduling Algorithm"	Kuldeep Vayadande, Aditya Bodhankar	CHSN-2022
29.	Applications of Machine Learning Techniques in detecting skin cancer	Pankaj Kunekar	IC3I2022
30.	Integrating artificial intelligence and deep learning for enhanced medical innovation	Pankaj Kunekar	IC3I2022
31.	Applications of deep learning techniques in detecting breast cancer and malignant cells	Pankaj Kunekar	IC3I2022
32.	An optimized approach to improve health and strategy of competition of horse using Machine Learning	Zarinabegam K M, Zoya, Varad, Abhishek, Suhil, Vivek	AIS2C2-2022
33.	Credit scoring model using different feature selection methods	Zarinabegam K M, Yash, Abhijeet, Vaishnavi, Yash Nawale, Vaibhav	AIS2C2-2022
34.	Electric fault Detection and Classification using machine Learning	Zarinabegam K M, Ritesh, Mahalakshmi, Tanushri, Tanmay, Prachi	AIS2C2-2022



## DEPARTMENT OF INFORMATION TECHNOLOGY

# MoU With Industries

I. Firenest Reality Consulting Pvt. Ltd -  
14th Jun 2022

II. 2020AI India Pvt. Ltd - 21st July 2022



VISHWAKARMA INSTITUTE  
OF TECHNOLOGY, PUNE

# *Congratulations!*



Department of Information Technology has signed an  
**MoU with Firenest Reality Consulting Pvt. Ltd.**

## DEPARTMENT OF INFORMATION TECHNOLOGY

# Student Internship



IBM



CREDIT SUISSE



NielsenIQ

IT Vishwa

Sr. No.	Name Of The Student	Company	Stipend
1.	Vaishnav Nitin Sonawane	Deutsche Bank	Rs. 75,000
2.	Harsh Manoj More	Barclays	Rs. 66,667
3.	Vedant Sanjay Jore	Barclays	Rs. 66,667
4.	Dhruva Rajesh Khanwelkar	Barclays	Rs. 66,667
5.	Chirag Sunil Vaswani	Barclays	Rs. 66,667
6.	Pranav Ratnaparkhi	Credit Suisse	Rs. 75,000
7.	Prapti Maheshwari	Credit Suisse	Rs. 75,000
8.	Mrunalini Prashant Ekhar	Credit Suisse	Rs. 75,000
9.	Abhishek Manoj Gawali	UBS	Rs. 25,000
10.	Anish Shaha	UBS	Rs. 25,000
11.	Himanshu Dhar	UBS	Rs. 25,000
12.	Amit Ramesh Jaisinghani	Afour Technologies	Rs. 30,000
13.	Daksh Dagariya	Nielseniq	Rs. 30,000
14.	Yadav Prathamesh Rajesh	IBM Systems Lab	Rs. 40,000
15.	Divekar Sanika Vikas	Colgate	Rs. 20,000

## DEPARTMENT OF INFORMATION TECHNOLOGY

# Student Internship

TATA MOTORS



SIEMENS

ARISTA



Sr. No.	Name Of The Student	Company	Stipend
16.	Akshad Modi	TML Tata Motors	Rs. 10,000
17.	Shresthi Yadav	Appficiency	Rs. 30,000
18.	Vaibhavi Shetty	Appficiency	Rs. 30,000
19.	Deshmukh Jayesh Sanjay	Siemens	Rs. 40,000
20.	Tejas Ashok Pawar	Godeskless	Rs. 10,000
21.	Dani Prasanna Suhas	Godeskless	Rs. 10,000
22.	Avhad Shantanu Vilas	Arista Networks	Rs. 50,000
23.	Shivam Chaudhary	Zemoso Technologies	Rs. 20,000



## DEPARTMENT OF INFORMATION TECHNOLOGY

# Student Placement



IBM



CREDIT SUISSE



NielsenIQ

IT Vishwa

Sr. No.	Name Of The Student	Company
1.	Vaishnav Nitin Sonawane	Deutsche Bank
2.	Harsh Manoj More	Barclays
3.	Vedant Sanjay Jore	Barclays
4.	Dhruva Rajesh Khanwelkar	Barclays
5.	Chirag Sunil Vaswani	Barclays
6.	Pranav Ratnaparkhi	Credit Suisse
7.	Prapti Maheshwari	Credit Suisse
8.	Mrunalini Prashant Ekhar	Credit Suisse
9.	Abhishek Manoj Gawali	UBS
10.	Anish Shaha	UBS
11.	Himanshu Dhar	UBS
12.	Amit Ramesh Jaisinghani	Afour Technologies
13.	Daksh Dagariya	NielsenIQ
14.	Yadav Prathamesh Rajesh	IBM Systems Lab
15.	Divekar Sanika Vikas	Colgate

## DEPARTMENT OF INFORMATION TECHNOLOGY

# Student Placement

TATA MOTORS



SIEMENS

ARISTA



Sr. No.	Name Of The Student	Company
16.	Akshad Modi	TML Tata Motors
17.	Shresthi Yadav	Appficiency
18.	Vaibhavi Shetty	Appficiency
19.	Deshmukh Jayesh Sanjay	Siemens
20.	Tejas Ashok Pawar	Godeskless
21.	Dani Prasanna Suhas	Godeskless
22.	Avhad Shantanu Vilas	Arista Networks
23.	Shivam Chaudhary	Zemoso Technologies

## DEPARTMENT OF INFORMATION TECHNOLOGY

# Industrial Visit

## TomTom

Date : 5th Dec. '22

Location : Tomtom, 3rd floor, S.No-206 A/1,  
PL No-88/4 Shanti one, Near Aga Khan  
Palace, Nagar Rd, Pune, 411006

Attendees : 28

Coordinator: Mrs. Deeapli Joshi





## DEPARTMENT OF INFORMATION TECHNOLOGY

### Our Artists

**AJAY SANJEEVAIAH GONEPURI**  
**SY IT (Sketching)**

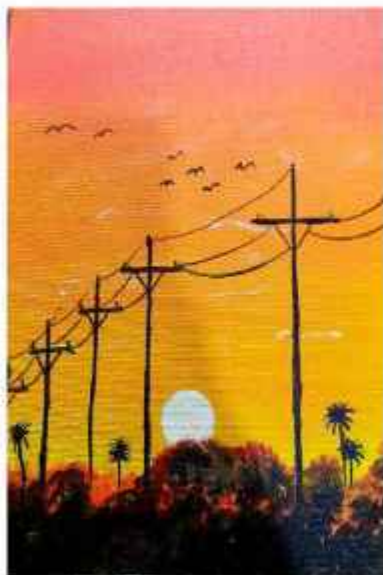
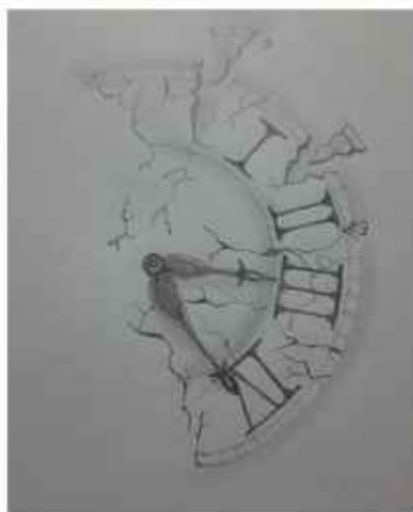


## DEPARTMENT OF INFORMATION TECHNOLOGY

### Our Artists

**SHRUTI PATTEWAR**  
TY IT (Sketching and Canvas Painting)

ITVishwa





## DEPARTMENT OF INFORMATION TECHNOLOGY

### Our Artists

**ATMAN NAIK**  
**TY IT (Photography)**

IT Vishwa







**DEPARTMENT OF INFORMATION TECHNOLOGY**

# Newsletter Team

Faculty Coordinator : Prof. Aparna Sawant and  
Prof. Pankaj Kunekar

Student Coordinator : Pallavi Wasade and Sakshi Zod

Student Volunteers : Hiranmayee Sant, Anushka Popalghat  
and Apoorva Kulkarni