



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**

**VOL. 5 ISSUE 2**





**DEPARTMENT OF INFORMATION TECHNOLOGY**

# C O N T E N T S

**Student Club  
Activities,  
Student  
Achievements**

**Paper  
Publications,  
Industry Visit**

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

**Student  
Internship  
and  
Placeme  
nts**





## 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 - CSI

Tech and Business'22

Date : 28th Aug. '22  
Attendees : 400





**DEPARTMENT OF INFORMATION TECHNOLOGY**

# Students Club - CSI

## C++ Workshop

Date : 20 - 24th Jan. '23  
Attendees : 25





## DEPARTMENT OF INFORMATION TECHNOLOGY

# Students Club - GSDC

## The GSOC Mania

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## DEPARTMENT OF INFORMATION TECHNOLOGY

# Students Club - GSDC

## The GSOC Mania

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**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Web3 Seminar  
and Hackathon**

**WEB3**  
**BOOTCAMP+HACKATHON**

**Bijay Singh**  
Engineer at zbyte

**Naman Gupta**  
Growth & Partnerships at zbyte

**Manas Agarwal**  
zbyte community

**#BUILDWITHZBYTE**

**14** JULY 2023 | Shard Arena, VIT Campus  
2 pm onwards





**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Weekly Training Sessions**





**DEPARTMENT OF INFORMATION TECHNOLOGY**

# Workshops/Seminars

<i>Sr. No.</i>	<i>Name of Workshop</i>	<i>Sponsoring Agency</i>	<i>Organizing Faculty</i>	<i>Dates</i>	<i>No. of Participants</i>
1.	<i>Tech and Business '22 (Session on Tech, Business, Entrepreneurship, Start-ups, and more)</i>	<i>CSI</i>	<i>Aparna Sawant</i>	<i>28 Aug., 2022</i>	<i>400</i>
2.	<i>Blockchain Session</i>	<i>CSI</i>	<i>Aparna Sawant</i>	<i>27 Sep., 2022</i>	<i>145</i>
3.	<i>The ASoC Mania</i>	<i>EPEC Clubs</i>	<i>Aparna Sawant</i>	<i>19 Nov., 2022</i>	<i>85</i>
4.	<i>Cloud Computing</i>	<i>Vodafone</i>	<i>Prof. Dr. P. P. Ghadekar, Deepali Joshi</i>	<i>20 Jan., 2023</i>	<i>104</i>
5.	<i>Effective Communication and Network</i>	<i>CSI</i>	<i>Aparna Sawant</i>	<i>20-24 Jan., 2023</i>	<i>25</i>



**DEPARTMENT OF INFORMATION TECHNOLOGY**

# Workshops/Seminars

<i>Sr. No.</i>	<i>Name of Workshop</i>	<i>Sponsoring Agency</i>	<i>Organizing Faculty</i>	<i>Dates</i>	<i>No. of Participants</i>
7.	<i>Faculty Development Program on IoT Based Predictive Analysis</i>	<i>AICTE Training and Learning (ATL) Academy</i>	<i>Prof. Dr. P.P.Ghadekar, Pankaj Kunekar</i>	<i>13 Feb. to 24 Feb., 2023</i>	<i>42</i>
8.	<i>Cyber Security for Techs</i>	<i>Vodafone</i>	<i>Prof. Dr. P.P.Ghadekar, Deepali Joshi</i>	<i>3 Mar., 2023</i>	<i>126</i>
9.	<i>Advanced Deep Learning and Introduction to LMS</i>	<i>EPEC Clubs</i>	<i>Prof. Dr. P.P.Ghadekar, Deepali Joshi</i>	<i>14 Mar., 2023</i>	<i>300</i>
10.	<i>Presentation Skills</i>	<i>Vodafone</i>	<i>Prof. Dr. P.P.Ghadekar, Deepali Joshi</i>	<i>24 Mar. 2023</i>	<i>203</i>



**DEPARTMENT OF INFORMATION TECHNOLOGY**

# Paper Publication

<i>Sr no.</i>	<i>Title</i>	<i>Authors Name</i>	<i>Name of Journal/Conference</i>
1.	<i>VR Workout with Beat Recognition using CNN Model</i>	<i>Premanand Ghadekar, Prapti Maheshwari, Raj Shah, Anish Shaha, Vaishnav Sonawane, Vaibhavi Shetty</i>	<i>International Journal of Next-Generation Computing -IJNGC</i>
2.	<i>Street Light Control System</i>	<i>Amruta Mankawade, Sanika Kadam, Omkar Kale, Aditya Kanawade, Anish Kamble, Sejal Kharche</i>	<i>International Journal for research in Applied Science and Engineering Technology</i>
3.	<i>Tracing prodromal behaviour by analysing data patterns from social media with ensemble machine learning approach</i>	<i>Deepali Joshi, Manasi Patwardhan</i>	<i>International Social Science Journal</i>
4.	<i>Whatsapp Chat Sentiment Analyzer</i>	<i>Aparna Sawant, Pankaj Kunderkar, Aditya Jadhav, Suraj Patil, Mujtaba Shaikh and Prajwal Pal</i>	<i>International Journal for research in Applied Science and Engineering Technology</i>
5.	<i>Diabetic Retinopathy (DR) Detection Using Deep Learning</i>	<i>Shital Dongre, Anushka Wankhade and Aditya Wanjari</i>	<i>IC3E, 2022</i>
6.	<i>Ocular Disease Prediction using Deep Learning</i>	<i>Kuldeep Vayadande, Varad Ingale</i>	<i>ICONSTP 2022</i>
7.	<i>A Modified Matrix Method for Efficient Computation of Bernstein Coefficients and its GPU Parallelization</i>	<i>Priyadarshan Dhabe, Prof. P. S. V. Nataraj, ITC Bombay</i>	<i>IEEE's, 2nd International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME), 2022, Maldives</i>
8.	<i>Detection and Categorization of patients having Alzheimer's disease: Machine Learning Algorithms</i>	<i>Deepali Deshpande, Atharva Bakde, Shantanu Avhad, Isha Korale, Shaunnak Mahajan, Rudraksha Padole</i>	<i>Third International Conference on Advances in Physical Sciences and Materials 2022 (ICAPSMM 2022)</i>
9.	<i>A Time Series Classifier based Ensemble for Predictive Maintenance of Machines</i>	<i>Deepali Deshpande, Dhruva Khanwelkar, Nirvisha Soni, Juhi Rajani, Chirag Vaswani and Harsh More</i>	<i>ICICV-2022 (Third International Conference on "Innovations in Computational Intelligence and Computer Vision"</i>
10.	<i>Automatic Vehicle Monitoring System</i>	<i>Deepali Deshpande, Varun Gujarathi, Siddhant Nawale, Vaishnav Loya, Somanshu Bhat and Siddhesh Wani</i>	<i>ASCIS - 2022 (International Conference on Advancements In Smart Computing And Information Security)</i>
11.	<i>Online Voting System using Blockchain</i>	<i>Deepali Deshpande, Manthan Tagad, Tejas Kathade, Tanmay Sharma, Abhishek Sayde and Aditya Thombre</i>	<i>ASCIS - 2022 (International Conference on Advancements In Smart Computing And Information Security)</i>
12.	<i>Prediction of flight ticket Compliance using different Regression and Classification Models</i>	<i>Zarinabegam KM, Samruddhi Pate, Roshita Bhonsle, Vitika Pungliya, Ankur Raut, Atharva Purohit</i>	<i>AIS2G2</i>
13.	<i>Design and Testing Of - SEMAC - Semester Management and Collaboration System</i>	<i>Pankaj Kunderkar, Devang Manramkar, Ayush Gundewar, Ishan Gujarathi, Somesh Kamnapure</i>	<i>INDICON 2022 IEEE 19th India Council International Conference</i>



**DEPARTMENT OF INFORMATION TECHNOLOGY**

# Paper Publication

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



**DEPARTMENT OF INFORMATION TECHNOLOGY**

# Paper Publication

<i>Sr no.</i>	<i>Title</i>	<i>Authors Name</i>	<i>Name of Journal/Conference</i>
26.	<i>A review Paper on Heart Disease Prediction</i>	<i>Kuldeep Vayadande, Rohan Golawar</i>	<i>Techno Societal 2022</i>
27.	<i>Traffic Sign Recognition System using YOLO: Societal System for Safe Driving</i>	<i>Kuldeep Vayadande, Rohit Patil</i>	<i>Techno Societal 2022</i>
28.	<i>An improved way to implement Round Robin Scheduling Algorithm"</i>	<i>Kuldeep Vayadande, Aditya Bodhankar</i>	<i>CHSN-2022</i>
29.	<i>Applications of Machine Learning Techniques in detecting skin cancer</i>	<i>Pankaj Kuneekar</i>	<i>IC3I2022</i>
30.	<i>Integrating artificial intelligence and deep learning for enhanced medical innovation</i>	<i>Pankaj Kuneekar</i>	<i>IC3I2022</i>
31.	<i>Applications of deep learning techniques in detecting breast cancer and malignant cells</i>	<i>Pankaj Kuneekar</i>	<i>IC3I2022</i>
32.	<i>An optimized approach to improve health and strategy of competition of horse using Machine Learning</i>	<i>Zarinabegam K M, Zoya, Varad, Abhishek, Sahil, Vivek</i>	<i>AIS202-2022</i>
33.	<i>Credit scoring model using different feature selection methods</i>	<i>Zarinabegam K M, Yash, Abhijeet, Vaishnavi, Yash Nawale, Vaibhav</i>	<i>AIS202-2022</i>
34.	<i>Electric fault Detection and Classification using machine Learning</i>	<i>Zarinabegam K M, Ritesh, Mahalaxshmi, Tanushri, Tanmay, Prachi</i>	<i>AIS202-2022</i>



## DEPARTMENT OF INFORMATION TECHNOLOGY

# MoU With Industries

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

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



*Congratulations!*

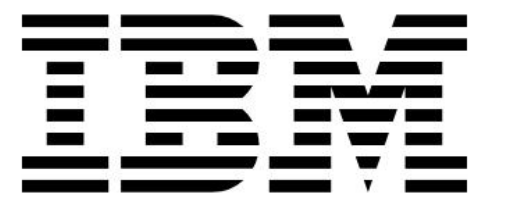
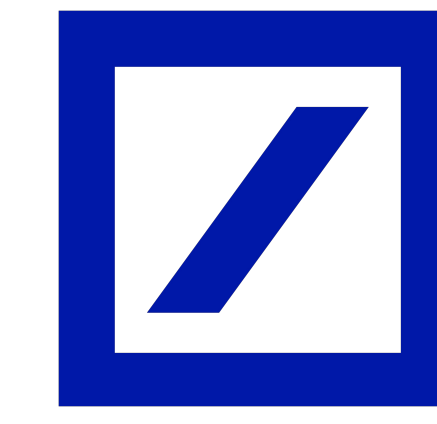


Department of Information Technology has signed an  
**MoU with Firenest Reality Consulting Pvt. Ltd.**



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Student Internship**



Sr. No.	Name Of The Student	Company
1.	<i>Shreyas Manwadkar</i>	<i>Infineon Technologies</i>
2.	<i>Adwait Laxmikant Bhosale</i>	<i>Winjit Technologies Pvt Ltd</i>
3.	<i>Tejas Gadi</i>	<i>Seagate Technology</i>
4.	<i>Kunjai Agrawal</i>	<i>HSBC Technology India</i>
5.	<i>Eanmay Mutalik</i>	<i>HSBC Technology India</i>
6.	<i>Srushti Vaibhav Shingade</i>	<i>Morgan Stanley Capital International</i>
7.	<i>Shruti Pattewar</i>	<i>MSCI</i>
8.	<i>Riddhi Karandikar</i>	<i>MSCI</i>
9.	<i>Eushar Sadashiv Nagre</i>	<i>MSCI</i>
10.	<i>Hiranmayee Sant</i>	<i>Torun</i>
11.	<i>Vishal Govindani</i>	<i>BOND.AI</i>
12.	<i>Akshay Keshav Bargaje</i>	<i>Sierra Wireless</i>



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Student Internship**

TATA MOTORS



SIEMENS

ARISTA

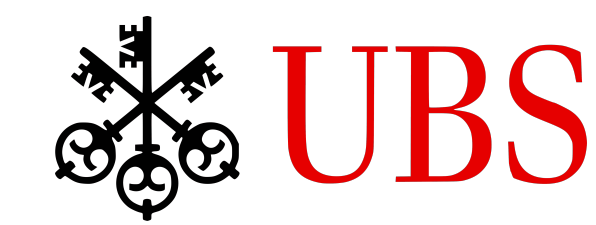
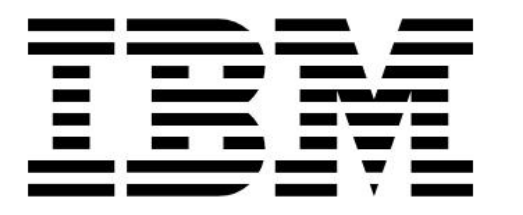
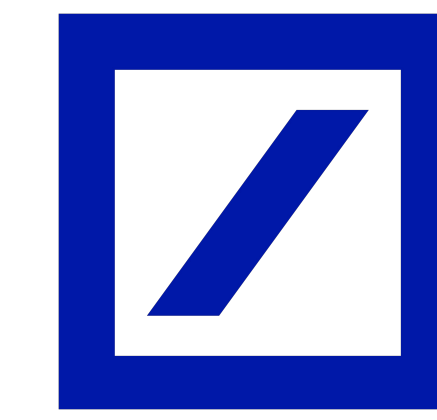


Sr. No.	Name Of The Student	Company
13.	<i>Janhavi Pawar</i>	<i>Persistent</i>
14.	<i>Parth Patil</i>	<i>L&amp;T Mindtree</i>
15.	<i>Devendra Dasharath Kanade</i>	<i>Intangles</i>
16.	<i>Aniket Kulkarni</i>	<i>Whirlpool</i>
17.	<i>Omkar Nitin Bhosale</i>	<i>Whirlpool Corporation</i>
18.	<i>Abhishek Kashid</i>	<i>Whirlpool</i>
19.	<i>Tejas Dharmik</i>	<i>Transvision Solutions</i>



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Student Placement**



Sr. No.	Name Of The Student	Company
1.	<i>Vaishnav Nitin Sonawane</i>	<i>Deutsche Bank</i>
2.	<i>Harsh Manoj More</i>	<i>Barclays</i>
3.	<i>Vedant Sanjay Jore</i>	<i>Barclays</i>
4.	<i>Dhruva Rajesh Khanwelkar</i>	<i>Barclays</i>
5.	<i>Chirag Sunil Vaswani</i>	<i>Barclays</i>
6.	<i>Pranav Ratnaparkhi</i>	<i>Credit Suisse</i>
7.	<i>Prapti Maheshwari</i>	<i>Credit Suisse</i>
8.	<i>Mrunalini Prashant Ekhar</i>	<i>Credit Suisse</i>
9.	<i>Abhishek Manoj Gawali</i>	<i>UBS</i>
10.	<i>Anish Shaha</i>	<i>UBS</i>
11.	<i>Nimanshu Dhar</i>	<i>UBS</i>
12.	<i>Amit Ramesh Jaisinghani</i>	<i>Afour Technologies</i>



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Student Placement**

TATA MOTORS



SIEMENS

ARISTA



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



## DEPARTMENT OF INFORMATION TECHNOLOGY

# Industrial Visit

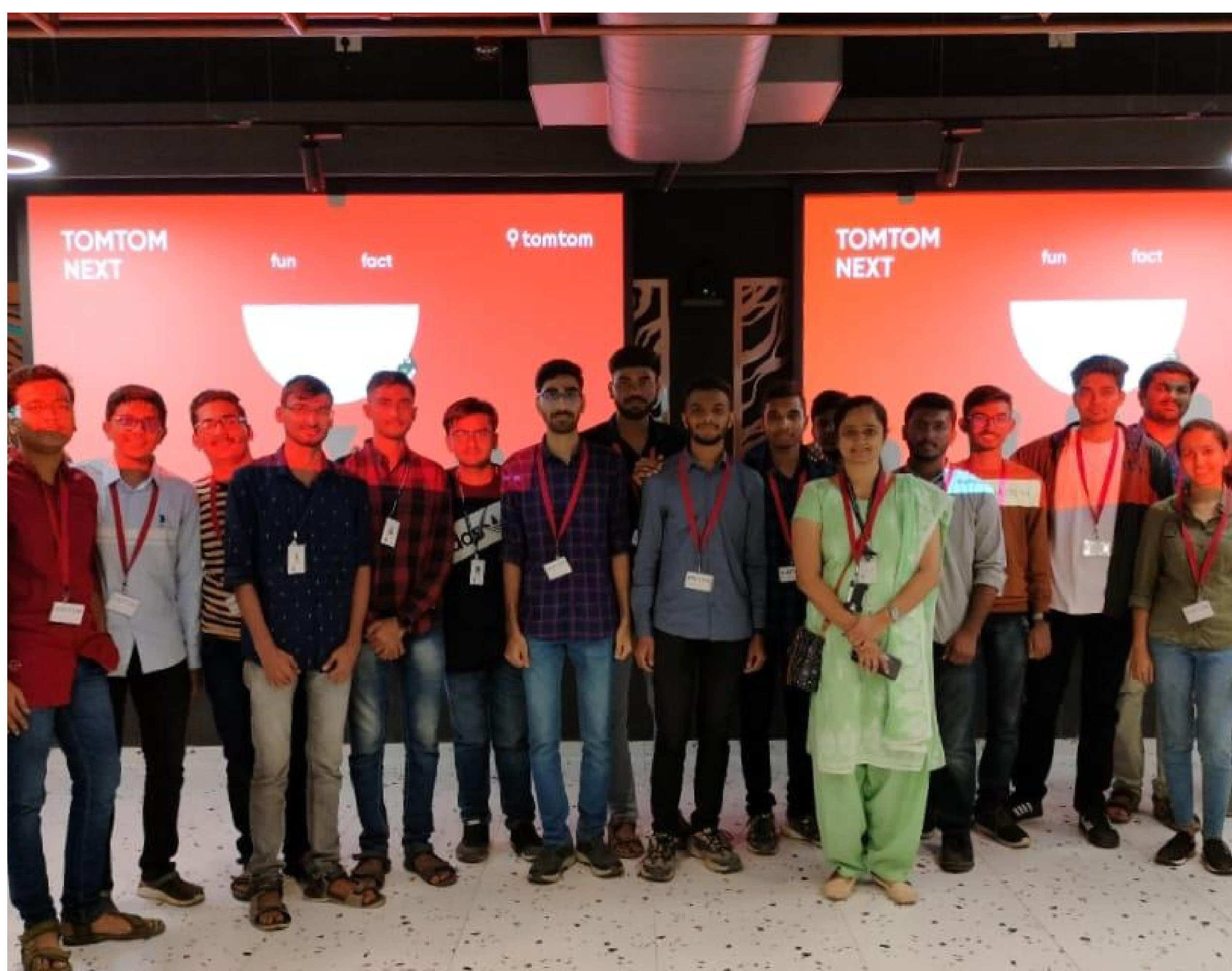
## TomTom

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

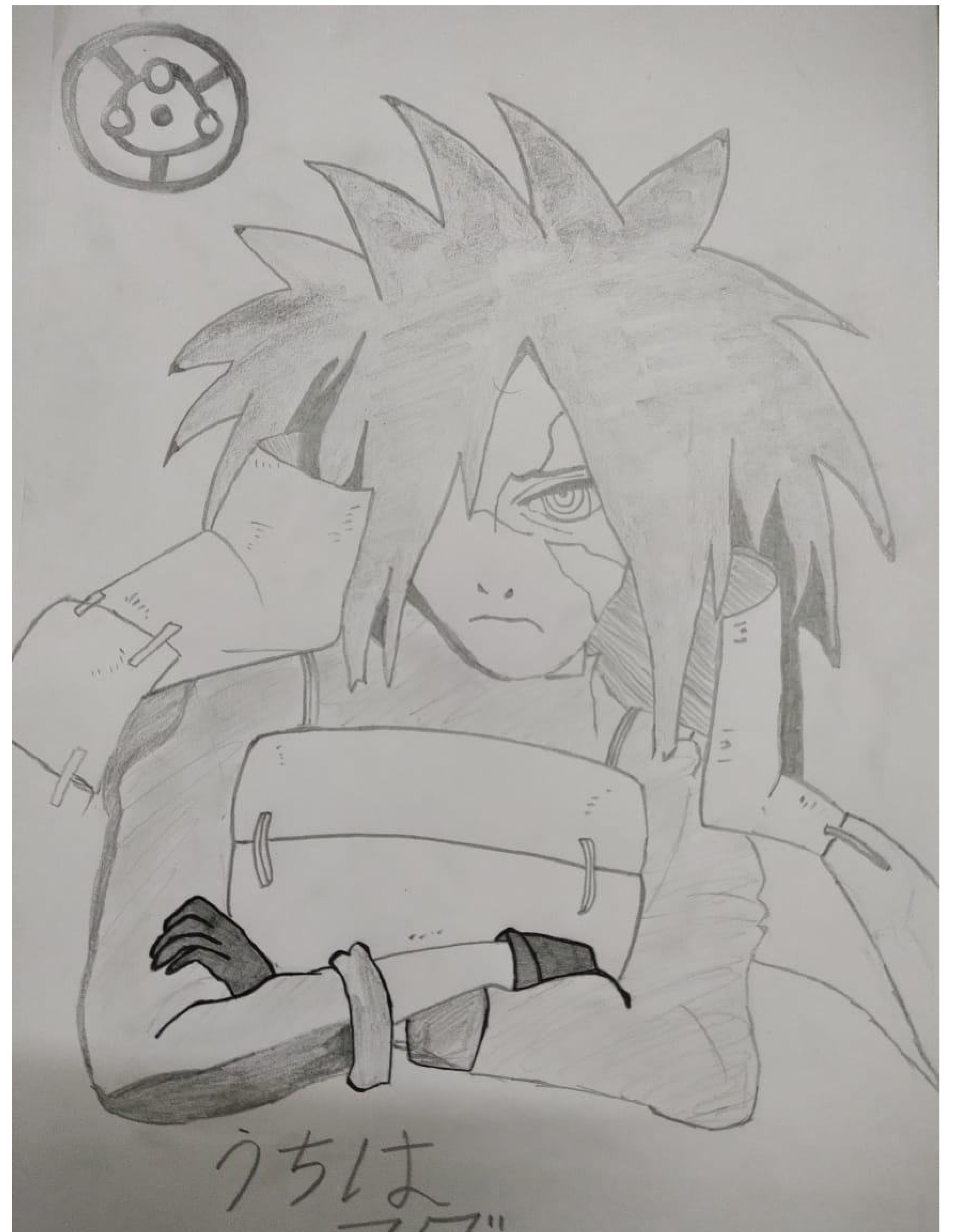




**DEPARTMENT OF INFORMATION TECHNOLOGY**

# Our Artists

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



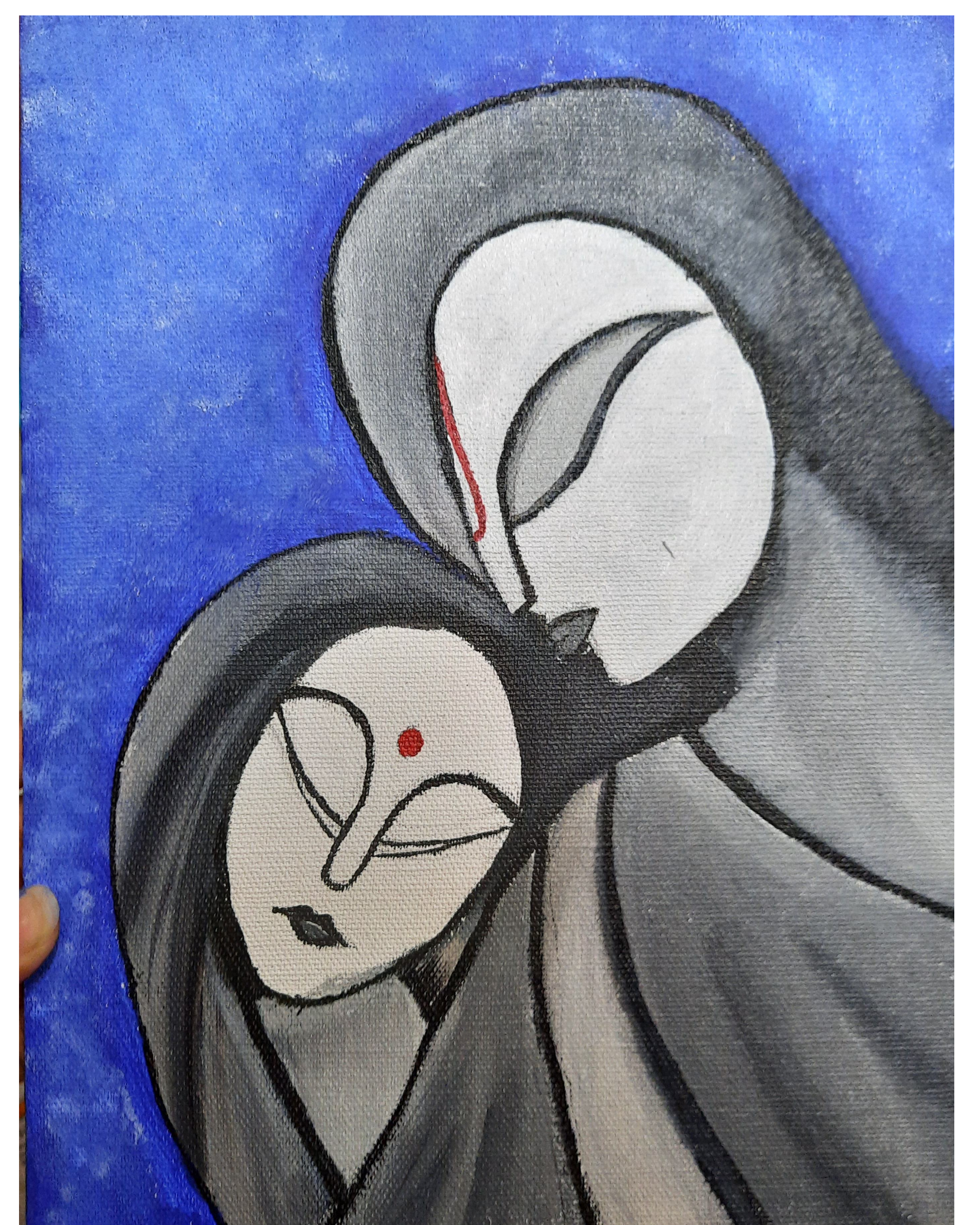
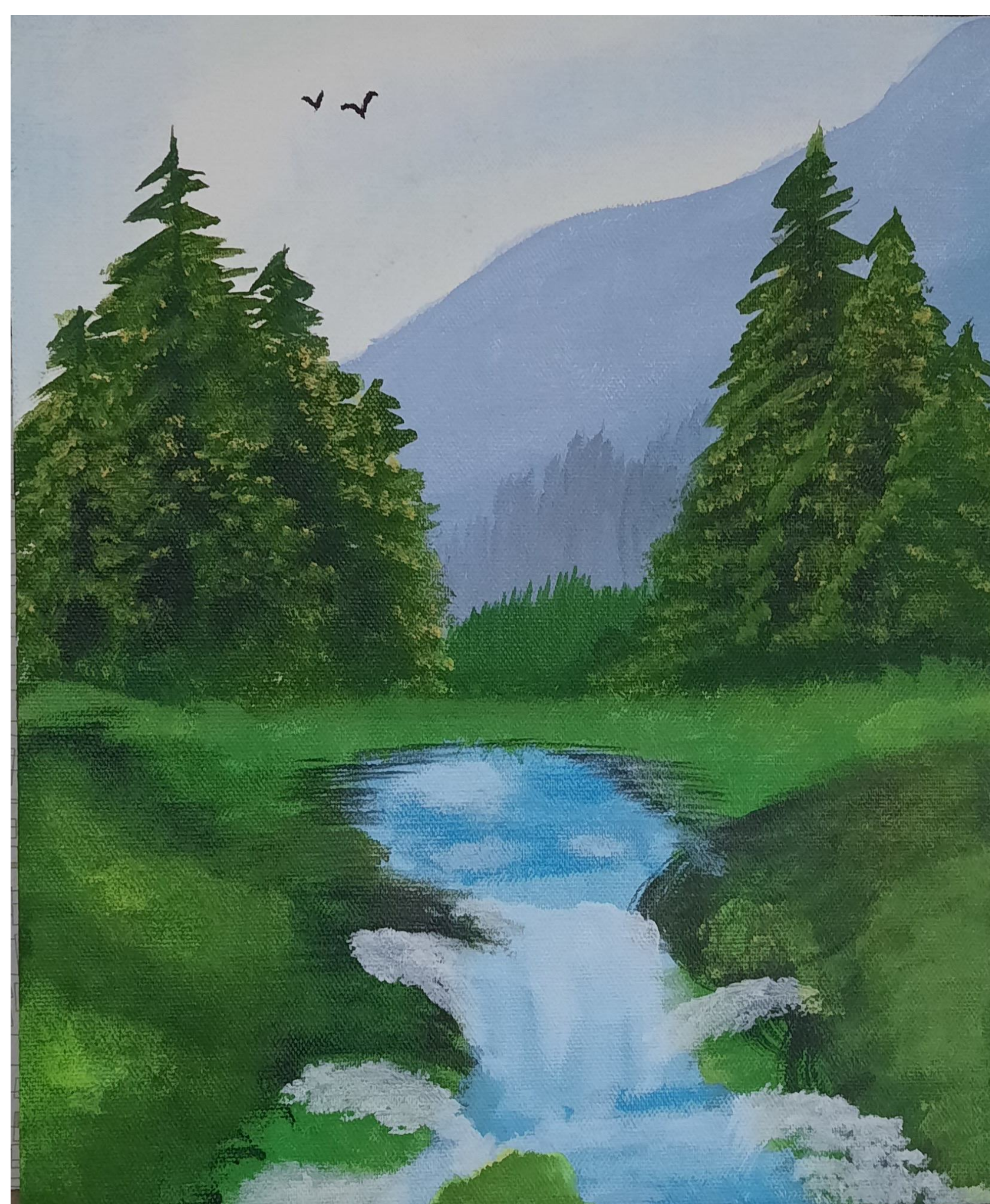
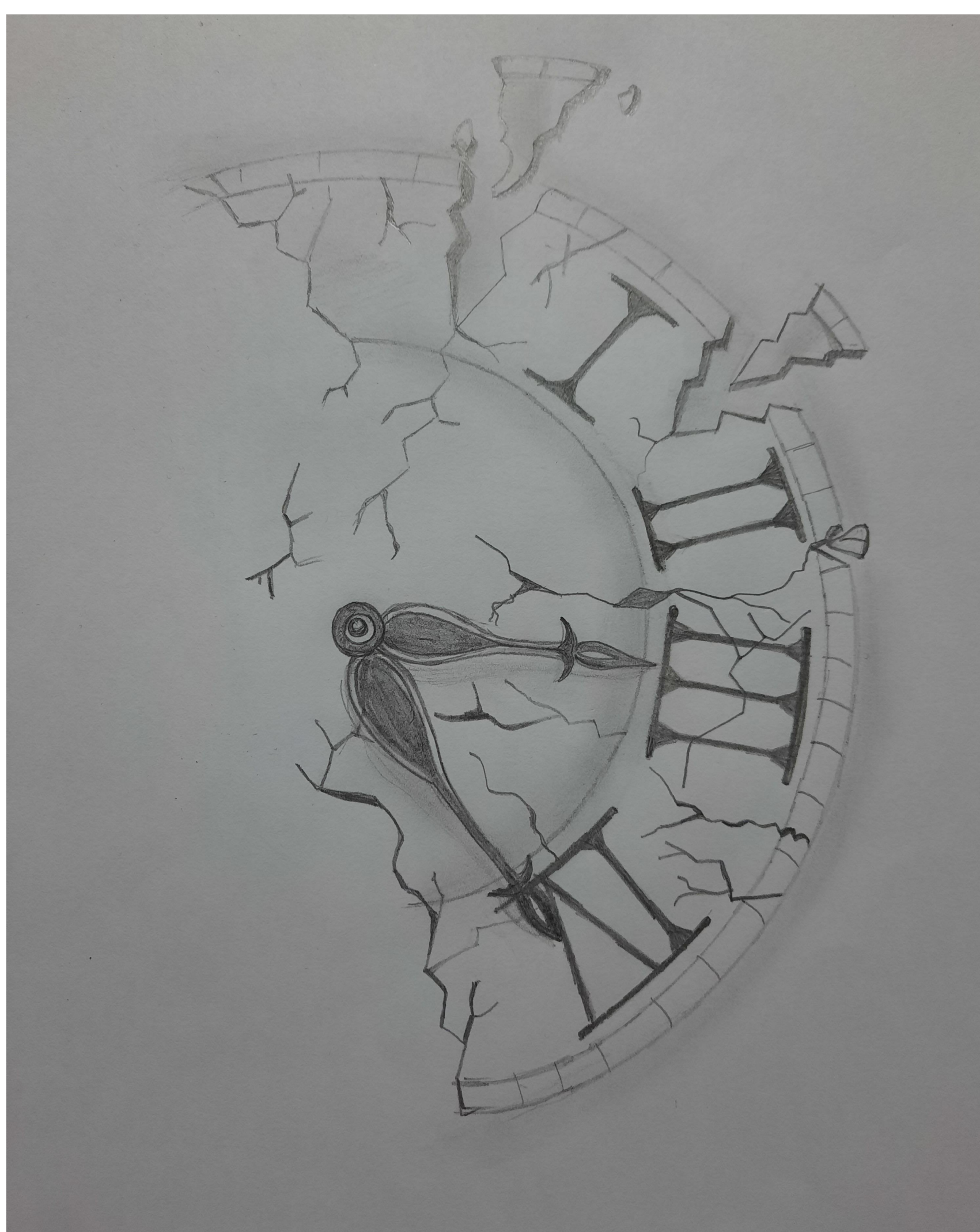


**DEPARTMENT OF INFORMATION TECHNOLOGY**

# Our Artists

**SHRUTI PATTEWAR**

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

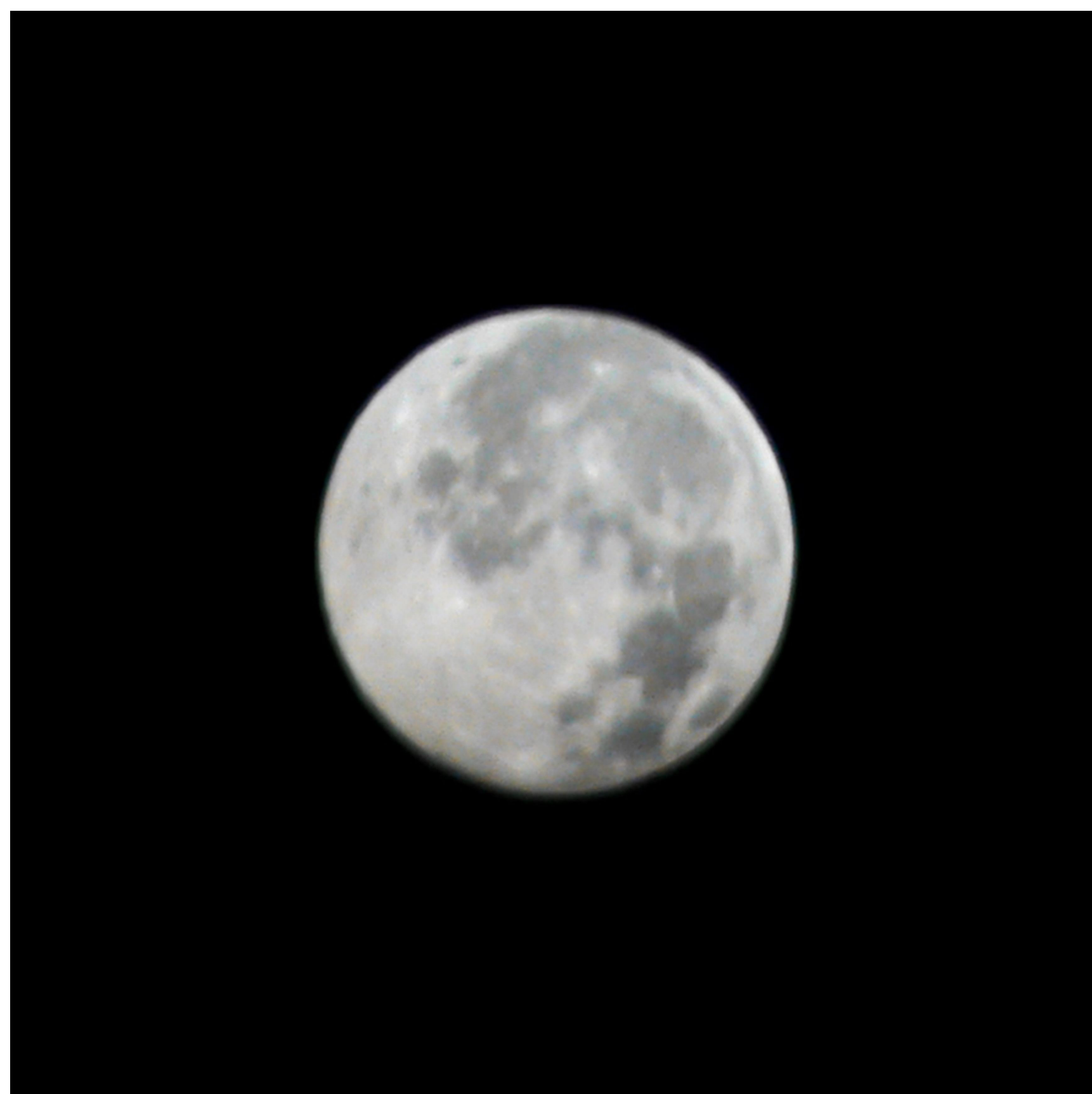




**DEPARTMENT OF INFORMATION TECHNOLOGY**

# Our Artists

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







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

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**DEPARTMENT OF INFORMATION TECHNOLOGY**

# Newsletter Team

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

*Student Coordinator : Pallavi Wasade and Sakshi Zod*

*Student Volunteers : Niranmayee Sant, Anushka Popalghat  
and Apoorva Kulkarni*