



Agnel Charities

Fr. C. Rodrigues Institute of Technology, Vashi, Navi
Mumbai

(An Autonomous Institute & Permanently Affiliated to
University of Mumbai)

SYMPHYSIS'25

GROWING TOGETHER IN
CREATIVITY AND TECHNOLOGY

Patrons



Dr. S. M. Khot
Principal

Institute Vision

Institute Vision

To evolve and flourish as a progressive centre for modern technical education, stirring creativity in every student leading to self-sustainable professionals, through holistic development; nurtured by strength and legitimate pride of Indian values and ethics.

Institute Mission

- To provide industry oriented quality education.
- To provide holistic environment for overall personal development.
- To foster relationship with other institute of repute, alumni and industry.

Department Vision

To become a leading center of excellence for quality education, advance research and development in the field of Information Technology for self-sustaining professionals.

Department Mission

- To provide industry oriented quality education and training to students related to cutting edge technologies in the field of information technology.
- To promote multidisciplinary activities that inspires students to serve society through innovative applications.
- To promote entrepreneurship skills in students with overall personality development.

Department of Information Technology

PROGRAM EDUCATIONAL OBJECTIVES **(PEOs)**

Graduate will be able to:

- Adapt technological changes in the field of information technology.
- Excel in higher education and professional career.
- Demonstrate multidisciplinary and entrepreneurship skills.

Program Specific Outcomes (PSOs) for Information Technology (w.e.f. A. Y. 2024-2025)

1. Graduates will be able to apply principles of programming, algorithms, databases, networking, and software engineering to create and develop effective IT solutions for real world problems.
2. Graduates will be able to apply emerging technologies to create innovative IT solutions.
3. Graduates will be able to inculcate self-learning and research attitude with collaborative working skills for excelling in continuous personal and professional development

Department of Information Technology

Program Outcomes [POs]

At the end of a four-year undergraduate program in Information Technology, the graduates will be able to:

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

PO3: Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)

PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

Department of Information Technology

Program Outcomes [POs]

PO6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences.

PO10: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11: Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)



HOD's Message

Dr. Shubhangi Vaikole

Being a part of Fr. C. Rodrigues Institute of Technology and leading the department of Information Technology, I take this opportunity to broach the department. The constant drive of the institute to provide innovative and quality education, has motivated us to develop and provide futuristic education to the students.

The department strives to provide students with core competence in the field of IT which helps them to comprehend technical concepts to develop novel projects and provide solutions to the real-life problems. Our faculty work with excellent team spirit in different technical team which leads to key research publications in these areas. We believe in tailored grooming of each student's needs by organizing technical workshops and competitive events such as Hackathons, Seminars from eminent voices of the industry, which helps them to access every sub-domain in the field of Information Technology. To bridge the gap between industry and academia, the CSI students section are actively organizing event listed above/below. Students not only participate in these events but lead them, thus helping them to improve on important attributes such as collaboration, communication, and teamwork. Our annual events like AITSS and Infobits empowers our students to collaborate with students from other colleges, thus inculcating a sense of community.

Our students have won several accolades at University, National and International levels. Our Department's placement records are unvaryingly high and we are proud that the number of students who are getting placed is increasing year after year. We have a strong alumni network who work with renowned organizations such as Shell, Cognizant, TCS, Infosys, Accenture, Capgemini, etc. The ace infrastructure, well qualified faculty, staff and T&P ensures bright future. I am confident that our students will excel in all stream of life and emerge as an asset to the organization they belong to, the institute, parents and also to the country, at large.

I congratulate all the students and the team of IT for their brilliant and indigenious efforts. On this note, I wish all the students a great academic career.



Editor's Note

Juhi Fernandes

Welcome to a world where technology and creativity meet in perfect harmony. In Symphysis 2025, we take you on a journey that blends art, intellect, and technology into a seamless experience. "Symphysis" means a coming together or a fusion, and that's exactly what this magazine represents – the fusion of ideas, innovation, and expression.

Our pages are filled with thought-provoking articles that explore the latest advancements in technology, from AI's incredible growth to the ethical challenges of our digital world. We celebrate the achievements of our students and faculty, showcasing the bright minds who are shaping the future with their coding and computational skills.

In this magazine, you'll find a mix of experimental and innovative art, where digital creations push the limits of traditional perception. Our event pictures capture the excitement and energy of our community, making you feel like you're right there in the action. These visuals highlight the blend of human passion and technological brilliance that defines Symphysis 2024.

As we navigate the digital age, we celebrate the innovation and the humanity that drive us forward. Let Symphysis 2024 be a testament to the beautiful symphony of human creativity and technological wonders. Join us in this celebration where technology and art come together to inspire and ignite the future.

Department Faculty



**Prof. Lakshmi
Gadhikar**



Dr. Vaishali Bodade



**Dr. Archana
Shirke**



Dr. Trupti Lotlikar



**Prof. Dhanashree
Hadsul**



**Dr. Mukta
Nivelkar**



Prof. Poonam Bari



**Prof. Anandkumar
Pardeshi**



**Prof. Rupali
Deshmukh**

Department Faculty



★ Prof. Suraj Khandare ★



★ Prof. Sharlene Rebeiro ★



★ Prof. Supriya Joshi ★



★ Prof. Neelima Joshi ★

Lab Assistants



★ Binoy Alex ★



★ Abhijeet Tandale ★



★ Shantanu Shukla ★

Magazine Committee

Faculty Heads



CSI Convener
Dr. Vaishali Bodade



CSI Coordinator
Prof. Sharlene Rebeiro



Sponsorship Head
Krishnaveni Dudigama



Magazine Head
Juhi Fernandes



Alysa Ann Jacob



Bernadine D'souza



Anu Sophiya



Shreya Hoskeri



Austine Vincent



Eby Elanjikal

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1. Department Events



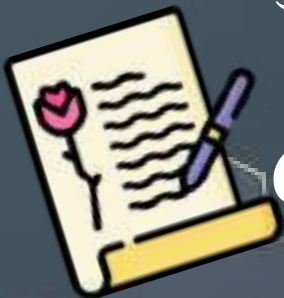
2. Faculty Achievements

3. Student Achievements



4. Techno - Articles

5. The Creative Pod



6. Shayaris, Poetries, Writings

7. Photo Gallery



DEPARTMENT EVENTS



AGNEL INFORMATION TECHNOLOGY STUDENT SYMPOSIUM

COMPUTER SOCIETY OF INDIA

CSI- FCRIT

Computer Society of India is the first and largest body of computer professionals in India. Our college conducts the CSI seminar named **TECHNOVATION** every year wherein all the students of second year engineering, third year engineering and fourth year engineering participate in various events and sessions conducted by the students of our department who are hands on with various ongoing topics related to programming and software developments.

← CSI COMMITTEE 2024 →



CSI Convener
Dr. Vaishali Bodade



CSI Coordinator
Prof. Sharlene Rebeiro



President
Angel Mathew



Vice President
Sherwin Nadar



Treasurer
Ayush Nair



Venue Head
Anushka Sawant



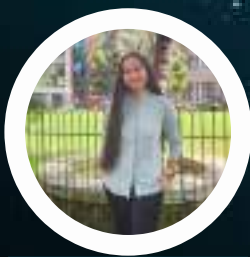
Documentation Head
Richie Thomas



Registration Head
Melissa Sequeira



Sponsorship Head
Krishnaveni Dudigama



Workshop Head
Bhumi Vedant



Contest Head
Shreya Hoskeri



Food and Hospitality Head
Krishna Thusoo



Magazine Head
Juhi Fernandes

TECHNOVATION'24

The Intra Department level technical event "TECHNOVATION 2024" organized by IT department under CSI Student Chapter took place from 28th July to 30th July. The event was led and executed successfully under the guidance of Dr. Vaishali Bodade and Prof. Sharlene Rebeiro. The Event was a part of one of the various technical and social events organised under CSI every year since its inception. These events are organised every year with the objective to provide platform for the students to showcase their talent with a competitive spirit and for them to gain more knowledge in the field. The event was successful enough to attract as many as 170 students of registrations for each day, making it an event attended by more than 140 students each day. The seminars on Big Data Analytics, Cybersecurity, Hack It On, And the online events that took place were tech memes, Logo Remix, Cover craft, Byte size profile and Musical Oddyssey And offline contests like Code golf, Code verse, Mystery Mania, Escape Matrix and Pitch Perfect. Here, the winners were encouraged with a certificate and The participants were also given certificates as a token of encouragement. The event was a great success due to the contribution from the third-year students and the curiosity of the juniors to learn something new.






CSI-EVENTS

BINGOBYTE'25

The CSI-IT Student organized an exciting and intellectually engaging event, BingoByte, on Monday, 27th January 2025, exclusively for second, third, and final-year students. Held from 3:30 PM to 4:30 PM, the event offered a unique twist on the traditional game of Bingo—blending it seamlessly with the world of technology.

WINNERS

-  Arjun Praveen Varshney (IT Sem 4)
-  Ashlen Rodrigues (IT Sem 4)
-  Sanil Samir Mhatre (Comp Sem 4)



CSI-EVENTS

INFOBITS'25

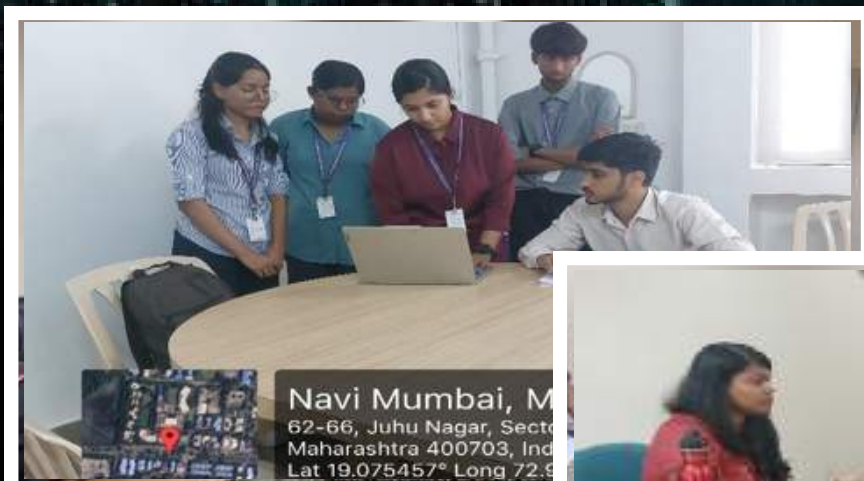
Infobits was conducted on 15/03/25 in the diploma building seminar hall, 4th floor. The seminars were given on “Waste Management for Better Tomorrow” and “AI for Social Good”. It was conducted for the whole IT department.



CSI-EVENTS

TECHSPARKS'25

Techsparks was conducted by IT department on 16th April 2025 where students of FCRIT as well as other colleges participated. The participants showcased their skills through projects and best projects were rewarded based on the regulations of the events.



WINNERS

TECHSPARKS'25



Second Year

Divyam Navin
Gargi Ubarhande
Arjun Varshney
(FCRIT VASHI)



Krish Pinto
Ethan Rodrigues
Patrick Joshua
(FCRIT VASHI)



Shivam Kshirsagar
Vaibhavi Rai
Pranati Arun
Ishwari Shinde
(FCRIT VASHI)

WINNERS

TECHSPARKS'25

Third Year



Sunny Yadav
Ganesh Naik
Sangram Khandagale
(PILLAI COLLEGE)



Christopher Albert
Jeremy Jacob
Jasmine Fernandes
Anushka Dalvi
(FCRIT VASHI)



Harsh Kanani
Mahek Vira
Vansh Mehta
Ruchi Thakkar
(D.J. SANGHVI COLLEGE)

WINNERS

TECHSPARKS'25

Fourth Year



Anish Kulkarni
Chakresh Kanekar
Sumedh Dinkar
Saurav Panchal
(FCRIT VASHI)



Prathamesh Gawali
Vishal Vhanmane
Harsh Dubey
Himanshu Yadav
(SIES)



Noreen Alex
Om Ghadge
Rhea Gomez
Lesley Miranda
(FCRIT VASHI)

CSI-EVENTS

PCUBE'25

The Department of Information Technology organized Pcube 2025, a Poster and Project Presentation Competition exclusively for final-year students, on 16 th april 2025. The event aimed at showcasing their innovative ideas and technical skills. The event provided a platform for students to present their B.E. project work through detailed posters and engaging demonstrations.



PCUBE WINNERS

(POSTER MAKING AND PROJECT COMPETITION)

Project Winners



Atharva Ambike
Aditi Bhilare
Saee Biwalkar
Pushpak Koli



Shreyas Pawar
Shriraj Patil
Harshali Patil



Sonali Acharya
Pramod Garhwal
Yashshree Kadam
Disha Patil

Poster Making Winners



Lesly Miranda
Rhea Gomez
Om Ghadge
Noreen Alex



Suyash Malekar
Dhanashree Patil
Neil Dsouza
Sahil Bagate



Tejas Ramane
Ashwini Dagale
Shantaram Sawant
Shrikant Deskmukh

PTI 1 SH24



PTI 2 SH24



FY Department Orientation



ALUMNI MEET

Fr. C. Rodrigues Institute of Technology arranged the Alumni Meet for AY 2024-2025. The venue of the event was Fr. CRIT College lawns on 4th of January 2025. The participants were alumni, FCRIT students and FCRIT staff. There were about 200 participants in the event.



DQAC 2024-2025

IT department scheduled Department Quality Assurance Cell (DQAC) Meeting on 30th November, 2024 at 10:00am in IT department 3rd floor of old building FCRIT Vashi



DQAC 2024 - 2025

IT department scheduled Department Quality Assurance Cell (DQAC) Meeting of FH 2025 on 2nd June 2025 at 10:00am in IT department 3rd floor of old building FCRIT Vashi.



NBA visit 2025

The National Board of Accreditation (NBA) conducted an official visit on 4th and 5th April 2025. Following a thorough evaluation, the Information Technology Department of Fr. C. Rodrigues Institute of Technology, Vashi has been accredited for a period of 3 years. This recognition highlights the department's dedication to academic excellence, quality assurance, and continuous improvement in technical education.



Short-Term Training Program

The Department of Information Technology at Fr. C. Rodrigues Institute of Technology, Vashi, organized a one-week online STTP titled "AI and ML in Finance: Applications, Innovations and Future Trends" from 9th to 14th June 2025 via Google Meet. The program aimed to bridge the gap between academic learning and industry needs in FinTech by introducing participants to practical applications of Artificial Intelligence and Machine Learning in financial data analysis, forecasting, sentiment analysis, and algorithmic trading. It featured expert sessions, student demos, and hands-on insights, benefitting 83 participants and receiving highly positive feedback.

ONE WEEK SHORT-TERM TRAINING PROGRAM (STTP)
ON
AIML IN FINANCE: APPLICATIONS, INNOVATIONS, AND FUTURE TRENDS

SPEAKERS FROM: InfinityPool Fintech Pvt. Ltd
Fr. C. Rodrigues Institute of Technology (FCRIT), Vashi

KEY SESSIONS: 09th - 14th June 2025

- Fundamentals of AI/ML in Finance
- Time Series Forecasting (ARIMA, LSTM)
- Algorithmic Trading & Backtesting
- Sentiment Analysis using GPT & BERT
- Advanced Fundamental Analysis

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- Sentiment Analysis using GPT & BERT
- Advanced Fundamental Analysis

Navi Mumbai, Maharashtra, India
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Lat 19.077463° Long 72.99206°
10/06/2025 10:07 AM GMT +05:30

Industry–Academia Interaction 2025

Fr. C. Rodrigues Institute of Technology, Vashi organized an institute-level Industry–Academia Interaction on 6th June 2025 at the Seminar Hall, aiming to bridge academic learning with real-world industrial applications. The event brought together over 250 students, faculty, and industry experts from leading organizations such as BARC, ISRO, Siemens, TIFR, Infinitypool, IIT Dharwad, and more. It featured domain-specific sessions, expert talks, and student project demos covering AI, IoT, automation, space science, VLSI, and FinTech. The event concluded with a dynamic multi-track panel discussion and left a strong impact through exposure, research collaborations, and innovative project ideas.



INDUSTRIAL VISIT

Fr. C. Rodrigues Institute of Technology arranged an Industrial Visit for the students of batch 2021-2025 to to COMMSCOPE, Goa . From 31st July to 4th August 2024. Objectives of industrial visit is to provide students an insight regarding internal working of companies. With an aim to go beyond academics, industrial visit provides student a practical perspective on the world of work.



INDUSTRIAL VISIT

The students of batch 2022-2026 were taken to CDAC Kharghar for their IV on 21 February 2025.



The students of batch 2023-2027 were taken to Doordarshan Worli for their IV on 6 March 2025.



FACULTY ACHIEVEMENTS

Faculty Interaction with Outside World

MAR 4, 2025

**REVIEWER
DR. SHUBHANGI VAIKOLE**

Reviewer at International conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T-2025) at SIES Graduate School of Technology, Nerul, Navi Mumbai-

MAY 22, 2025

**ACADEMIC AUDITOR
DR. SHUBHANGI VAIKOLE**

Academic auditor for Computer Engineering department at SIES Graduate School of Technology

OCT 5, 2024

**PHD RELATED ACTIVITY
DR. SHUBHANGI VAIKOLE**

RAC member for research progress seminar at SFIT

AUG 3, 2024

**PHD RELATED ACTIVITY
DR. SHUBHANGI VAIKOLE**

RAC member for research progress seminar at RAIT

AUG 23, 2024

**REVIEWER
DR. SHUBHANGI VAIKOLE**

Reviewer for ICCUBEA-2024 organized by PCCOE Pune

SEP 18, 2024

**COMMITTEE CHAIRPERSON
LAKSHMI M. GADHIKAR**

IEI NMLC-FCRIT Excellence Awards-Chair of Venue & Media Publicity Committee

DEC 20, 2024**REVIEWER
LAKSHMI M. GADHIKAR**

Reviewer at 2nd IEEE International Conference on Artificial Intelligence and Quantum Computation-Based Sensor Applications (ICAIQSA-2024) at G H Rasoni College of Engineering and Management, Nagpur

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JAN 7, 2025**INVITED SPEAKER
LAKSHMI M. GADHIKAR**

Invited Speaker for a session on CUDA Based Parallel Programming during a ISTE approved Short Term Training Program on Advance Computing and Cyber Security organized by Electrical Engineering Dept. Fr. CRIT, Vashi

.....

JUNE 10, 2024**INTERVIEW
LAKSHMI M. GADHIKAR**

Atlas Skilltech University – Interview on Cloud Computing

.....

JAN 7, 2025**INDUSTRY INTERACTION
LAKSHMI M. GADHIKAR**

Infinity Pool Finnotech Pvt. Ltd. Pune – Two Product based projects

.....

JUN 12, 2025**INVITED SPEAKER
LAKSHMI M. GADHIKAR**

Invited Speaker for a session on Sentiment Analysis in Financial Markets and "Advanced AI models for Finance during a Short Term Training Program on "AI and ML in Finance:Applications

.....

NOV 10, 2024

REVIEWER

DR. VAISHALI BODADE

Reviewer at 2nd IEEE International Conference on Artificial Intelligence and Quantum Computation-Based Sensor Applications (ICAIQSA-2024) held on 20th & 21st December 2024 organized by the Department of Artificial Intelligence of G H Rasoni College of Engineering and Management, Nagpur, and technically co-sponsored by IEEE Bombay Section.

DEC 14, 2024

BOARD OF STUDIES

DR. VAISHALI BODADE

Board of Studies meeting: Artificial Intelligence (AI) and Artificial Intelligence & Machine Learning (AIML) at G H Rasoni College of Engineering and Management, Pune

FEB 27, 2025

SYLLABUS SETTING

DR. VAISHALI BODADE

Autonomy Syllabus revision meeting in IT department

MAR 4, 2025

REVIEWER

DR. VAISHALI BODADE

Reviewer at International conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T-2025) at SIES Graduate School of Technology, Nerul, Navi Mumbai- Jun 6,7 2025

APR 21, 2025

SESSION CHAIR

DR. VAISHALI BODADE

Serving as a session chair at International conference on AIMTREF 2025 at SKN Sinhgad Institute of Technology and Science, Lonavala, affiliated to Savitribai Phule Pune University

JUN 6, 2025**BOARD OF STUDIES
DR. VAISHALI BODADE**

Board of Studies meet of AI and AIML department at G. H. Raison College of Engineering and Management, Pune

JUL 30, 2024**INVITED TALKS
DR. ARCHANA SHIRKE**

Skill development session as a part of Shiksha week being celebrated in India by Government of India

AUG 21, 2024**INVITED TALKS
DR. ARCHANA SHIRKE**

Expert session on Power BI

JAN 17, 2025**INVITED JUDGE
DR. ARCHANA SHIRKE**

Judge for Hackathon

JAN 24, 2025**INVITED TALKS
DR. ARCHANA SHIRKE**

Invited Talk on Power BI

FEB 5, 2025**VISITING FACULTY
DR. ARCHANA SHIRKE**

Visiting Faculty for the subject of Modern Algorithm Design for M.Sc. (Artificial Intelligence) at B. K. Birla College, Kalyan during Feb 2025 to May 2025

APRIL 12, 2024**KEYNOTE SPEAKER
DR. ARCHANA SHIRKE**

Keynote Speaker at ICRTAIDS 2024, Ajeenkya DY Patil School of Engineering, Pune.

APRIL 12, 2024**SESSION CHAIR
DR. ARCHANA SHIRKE**

Session Chair at ICRTAIDS 2024, Ajeenkya DY Patil School of Engineering, Pune.

.....

JUN 12, 2025**BOARD OF STUDIES
DR. ARCHANA SHIRKE**

Member of Board of Studies at IGCOE, Ghansoli

.....

JULY 1, 2025**INDUSTRY INTERACTION
DR. ARCHANA SHIRKE**

IISER Research project on AIML

.....

JULY 1, 2025**INDUSTRY INTERACTION
DR. ARCHANA SHIRKE**

InfinityPool FINTECH Research project

.....

DEC 5, 2024**ACADEMIC MENTORSHIP
DR. MUKTA NIVELKAR**

Thesis Advisory Committee to monitor the progress of research scholar

.....

JAN 14, 2025**SYLLABUS SETTING
DR. MUKTA NIVELKAR**

Syllabus setting for MDM-Quantum Computing Sem IV at COEP Technological University, Pune Maharashtra.

.....

JAN 15, 2025**VISITING FACULTY
DR. MUKTA NIVELKAR**

Appointed as Visiting Professor for MDM-Course conduction on "Introduction of Quantum Mechanics" at COEP Tech Pune

MAR 24, 2025**INVITED JUDGE
DR. MUKTA NIVELKAR**

Invited as Judge for poster presentation at EXTC dept, FCRIT Vashi

MAR 28, 2025**REVIEWER
DR. MUKTA NIVELKAR**

Serving as a reviewer for The Journal of Supercomputing

MAR 31, 2025**REVIEWER
DR. MUKTA NIVELKAR**

Serving as a reviewer for Advanced Quantum Technologies

APR 4, 2025**SESSION CHAIR
DR. MUKTA NIVELKAR**

Session chair for IEEE 1st Global Conference on Cognitive Computing and Communication Technology (GC4T25), Pune, Maharashtra

APR 10, 2025**REVIEWER
DR. MUKTA NIVELKAR**

Reviewer for manuscript of Journal Quantum Machine Intelligence

APR 10, 2025**RESOURCE PERSON
DR. MUKTA NIVELKAR**

Conducted hand-on session for COMP-A and COMP-B of third year students of Fr. Conceicao Rodrigues Institute of Technology, Vashi, Navi-Mumbai

APR 14, 2025**INVITED PANELIST
DR. MUKTA NIVELKAR**

Invited as Panelist for World Quantum Day Celebration by CSE
Department, COEP Tech. Pune

APR 19, 2025**EXTERNAL EXAMINER
DR. MUKTA NIVELKAR**

External examiner for Capstone Viva for MBA Tech at NMIMS
Mumbai

JULY 12, 2024**RESOURCE PERSON
DR. MUKTA NIVELKAR**

Conducted session in STTP

SEP 11, 2024**REVIEWER
POONAM PRASAD BARI**

Reviewer for Conference-International Conference on Emerging
Trends in Business Analytics & Management Sciences 57th Annual
Convention of Operational Research Society of India (ORSI-2024),
IIT Bombay

OCT 10, 2024**REVIEWER
POONAM PRASAD BARI**

Reviewer for Journal - Journal of Soft Computing and Data
Mining

FEB 12, 2025**INVITED SPEAKER
POONAM PRASAD BARI**

Expert speaker for Faculty Development Programme on Applications
of AI in Agriculture at Agnel Polytechnic, Vashi

RESEARCH PUBLICATIONS

International Conference

Total International conference publication: 13

1) Stock Prediction using sentimental analysis and global market in the International Conference ICATM, Kharghar.

Faculty Incharge: Mr. Anandkumar Pardeshi

2) Deep Learning-pPowered Web Attendance Tracker at international conference on Smart Technology, Artificial Intelligence and Computer Engineering(ICSTAICE)

Faculty Incharge: Mr. Anandkumar Pardeshi

3) “Navigating the Intersection of Quantum Computing, DNA-Based Data Storage and Geospatial Data Security: An Overview”, authored by Prajkta Bhangale and Dr. Shubhangi Vaikole, was presented at the International Conference on Computing Communication Control and Automation (ICCUBEA-2024), held in Pune from 23rd to 24th August 2024.

Index: IEEE Scopus

Faculty Incharge: Dr. Shubhangi Vaikole

Date: 23-24 August 2024

RESEARCH PUBLICATIONS

International Conference

4) “Enhanced Geospatial Raster Data Protection: Harnessing Chaos Maps and DNA Encryption”, authored by Prajkta Bhangale and Dr. Shubhangi Vaikole, was presented at the International Conference on Computing Communication Control and Automation (ICCUBEA-2024), held in Pune from 23rd to 24th August 2024.

Index: IEEE Scopus

Faculty incharge: Dr. Shubhangi Vaikole

Date: 23-24 August 2024

5) “Real-Time Sign Language to Speech Converter Using OpenCV and MediaPipe”, authored by A. Pathak, N. Patil, P. Padhy, A. Jadhav, S. Rukhande, and L. Gadhikar, was presented at the 2025 IEEE International Conference on Emerging Systems and Intelligent Computing (ESIC), held in Bhubaneswar, India, in 2025. The paper appears on pages 32–36, with Electronic ISBN: 979-8-3315-2210-0 and Print on Demand (PoD) ISBN: 979-8-3315-2211-7.

Index: Scopus

Faculty Incharge: Mrs. Lakshmi Gadhikar

Date: 08-09 February 2025

RESEARCH PUBLICATIONS

International Conference

6) “InsightQA: Descriptive Question and Answer Generation”, authored by M. Patil, A. Pinjari, R. Patil, O. Mahajan, and M. L. Gadhikar, was presented at the 2025 International Conference on Data Science, Agents & Artificial Intelligence (ICDSA AI), held in Chennai, India, in 2025. The paper appears on pages 1–6, with Electronic ISBN: 979-8-3315-3755-5 and Print on Demand (PoD) ISBN: 979-8-3315-3756-2.

Index: SCOPUS

Faculty incharge: Mrs. Lakshmi Gadhikar

Date: 28-29 March 2025

7) “A Comprehensive Approach to Event Planning through Online Platform”, authored by Simon Borde, Aastha Burboz, Alisha Crasto, Eby Elanjikal, and Dr. Vaishali Bodade, was presented at VISHWACON 2024 – the 7th International Conference on Recent Trends in Engineering and Technology, organized by VIT, Pune, and held from 22nd to 23rd November 2024.

Index: Scopus

Faculty Incharge: Dr. Vaishali V. Bodade

Date: 22-23 November 2024

RESEARCH PUBLICATIONS

International Conference

8) “AI-Driven Automated Attendance System”, authored by Mayuri Phapale, Mathew Alex, Dheeren Gaud, Monu Mathew, and Vaishali Bodade, was presented at the International Conference on Intelligent Computing and Networking (IC-ICN 2025), held at Thakur College of Engineering on 21st and 22nd February 2025.

Index: Scopus

Faculty incharge: Dr. Vaishali V. Bodade

Date: 21-22 February 2025

9) “Currency Detection for Visually Impaired Using Deep Learning”, authored by Dr. Trupti Lotlikar, Anushka Pawar, Melissa Sequiera, Abhinav Amrit, and Siddharth Rane, was presented at the Eighth International Conference on Artificial Intelligence and Soft Computing (AISC 2024), held in Kochi, India, from 25th to 26th November 2024.

Index: Scopus

Faculty Incharge: Dr. Trupti Lotlikar

Date: 25-26 November 2024

RESEARCH PUBLICATIONS

International Conference

10) “Time Series Analysis with Deep Learning: Prognostication of Crop Price”, authored by Bari P., Patil J., and Ragha L., was presented at the International Conference on Emerging Trends in Business Analytics & Management Sciences, held at IIT Bombay, Mumbai, India, from 12th to 14th December 2024. The paper appears on pages 74–75 in the conference proceedings, with ISBN: 978-81-952903-1-4.

Index: Scopus

Faculty incharge: Mrs. Poonam Bari

Date: December 2024

11) “Blockchain-Based Decentralised Social Media Platform”, authored by Vaishali Vivekkumar Bodade and Jyoti S. More, was presented at the International Conference on Science, Technology, Engineering & Mathematics for Sustainable Development, held on 21st February 2025 at AET'S Atharva College of Engineering, Malad, Mumbai.

Index: UGC CARE

Faculty Incharge: Dr. Vaishali V. Bodade

Date: 21 February 2025

RESEARCH PUBLICATIONS

International Conference

12) “Closed-Loop Active Control Method for Suppression of Thermo-Acoustic Instability with ML Application”, authored by Rupali Deshmukh, Sonali Acharya, Pramod Garhwal, Disha Patil, Yashree Kadam, and Nilaj Deshmukh, was presented at the 14th International Conference on Recent Challenges in Engineering and Technology (ICRCET-2025), organized by Yenepoya University, Bhartiya City, and IFERP Academy, held in Bangalore on 26th–27th April 2025

Index: Scopus

Faculty incharge: Mrs Rupali Deshmukh

Date: April 2025

13) “Modified AES-128 with Boundary-Based Splitting and Dynamic Output Encryption”, authored by Dhanashree Hadsul and Dr. Zahir Aalam, was published in the Journal of Information Systems Engineering and Management in 2025, Volume 10(46s). The journal is identified by e-ISSN: 2468-4376.

Index: Scopus

Faculty Incharge: Dhanashree Hadsul

Date: Feb 2025

RESEARCH PUBLICATIONS

International Journals

Total International journal publications: 6

1) "Analysis of PTX Code for CUDA Programs" by Lakshmi Gadhikar and Y. S. Rao was published in the Indian Journal of Technical Education, Volume 47, Special Issue No. 2, in October 2024, on pages 386–390. The journal is recognized with ISSN 0971-3034.

Index: UGC CARE Group I

Faculty incharge: Mrs. Lakshmi Gadhikar

Date: October 2024

2) "AgentSphere: A Novel Influencer Maximization Algorithm using Agent-Based Modeling in Social Networks" authored by Jyoti Sunil More, Vaishali V. Sarbhukan (Bodade), and Yogesh Jadhav was published in the International Journal of Engineering Trends and Technology, Volume 72, Issue 7, July 2024, pages 312–318.

Index: SCOPUS

Faculty incharge: Dr. Vaishali V. Bodade

Date: 26 July 2024

RESEARCH PUBLICATIONS

International Journals

3) “Blockchain Based Intelligent System for Non-Fungible Token: A Novel Approach” co-authored by Vijaya U. Pinjarkar, Vaishali V. Sarbhukan (Bodade), and Jyoti S. More was published in the same journal and issue, on pages 330–338.

Index: SCOPUS

Faculty incharge: Dr. Vaishali V. Bodade

Date: 26 July 2024

4) “Secure Data Transmission in Cloud Computing Using a Cyber-Security Trust Model with Multi-Risk Protection Scheme in Smart IoT Application”, authored by Torana Kamble, Madhuri Ghuge, Ritu Jain, and Vaishali Sarbhukan Bodade, was published in Cluster Computing, a journal by Springer Nature, in 2024. The paper was published on 26th November 2024, in Volume 28, as Article Number 79.

Index: SCOPUS

Faculty incharge: Dr. Vaishali V. Bodade

Date: 26 November 2024

RESEARCH PUBLICATIONS

International Journals

5) “Fall Detection using AI in Surveillance System”, authored by Dr. Archana Shirke, Reeba Patel, Angel Mathew, Krishna Thusoo, and Ayush Nair, was published in the International Research Journal of Humanities and Interdisciplinary Studies in January 2025. The journal is identified by ISSN 2582-8568.

Faculty incharge: Dr. Archana Shirke

Date: January 2025

6) “Predicting Wheat Yield in Agricultural Industry using Deep Learning Techniques: A Review” by P. Bari and L. Ragha was published in the Nigerian Journal of Technology, Volume 43, Issue 4, 2024, pages 716–737.

Index: SCOPUS

Faculty incharge: Mrs. Poonam Bari

Date: December 2024

A Proud Academic Milestones

- Dr. Mukta Nivelkar has successfully earned her Doctorate on 7 January 2025, marking a proud achievement in her academic journey. Her dedication to research and excellence has been truly inspiring. We congratulate Dr. Mukta Nivelkar and wish her continued success in all future academic and professional endeavors.

Date: 07/01/2025



- Prof. Anandkumar Pardeshi has taken a significant step in his academic journey by enrolling for a Ph.D. in Computer Engineering at FRCRCE, Bandra. His commitment to advanced research and continuous learning is commendable. We extend our best wishes to Prof. Anandkumar Pardeshi as he embarks on this new chapter of scholarly pursuit and academic excellence.

A Proud Academic Milestones

- Mr. Abhijit Namdeo Tandale, Lab Assistant in the Department of Information Technology, has recently enrolled in the Master of Science (Computer Science) program. His initiative reflects a proactive approach toward skill enhancement and sets a positive example of lifelong learning within the department.

Date: 20/05/2025

- We are proud to share that Ms. Sharlene Rebeiro, our respected faculty member, successfully cleared the TalentNext Certification Assessment and is recognized as a mentor for Project-Based Learning (PBL) in Java Full Stack under Wipro's PBL framework.

Dates: 17/04/2025 – 09/05/2025



- Mr. Suraj Khandare successfully cleared the TalentNext Certification Assessment and has been recognized as a Wipro Certified Faculty for Project-Based Learning (PBL) in the .NET Full Stack Digital Skills Readiness Program. The certification program was held at Wipro Hyderabad Campus.

Date: 17/03/2025 – 28/03/2025



A Proud Academic Milestones

- **“Celebrating 25 Years of Excellence – Mrs. Lakshmi Gadhikar”**

We take immense pride in celebrating Mrs. Lakshmi Gadhikar's remarkable 25-year journey at FR. C. Rodrigues Institute of Technology, Vashi. Her unwavering dedication, academic excellence, and deep commitment to student success have made her an integral part of the FCRIT family. Over the years, she has inspired countless students and colleagues through her mentorship, discipline, and passion for teaching. Her contributions have played a vital role in shaping the institution's legacy, and we extend our heartfelt gratitude for her years of service and excellence.



STUDENT ACHIEVEMENTS

ANNUAL FELICITATION

The Annual Felicitation Function was held on 19th October 2024 to honour the toppers of 2023–2024 from the Information Technology Department across final, third, and second year. The event celebrated their exceptional academic achievements and dedication.

Year	Name	Rank
Final year	• UNKULE SANSKRUTI	1
	• BANGI RIDA	2
	• BOMBLE SANSKAR	3
Third year	• PINJARI AZEEM ASHPAK	1
	• PHAPALE MAYURI MADHAV	2
	• SINGH AMAN SURESH CHANDRA	3
Second year	• SEQUEIRA MELISSA ROZARIO	1
	• RAUT POORVA SURENDRA	2
	• MISHRA AAKANKSH JAYANT	3



SUMMER PROJECT COMPETITION

Summer Project Competition was scheduled on 28/8/2024. A total of 18 teams participated in this Project Competition.

~ The competent team of Ayush Nair, Poorva Raut, Melissa Sequeira and Anu Sophiya bagged the first place.



-The second prize was awarded to team consisting of Angel Mathew, Ashley James, Aakash Mishra and Jeffery Gian.

-The third place went to team which includes Shawn Alfonso, Ashlin Jose and Aastha Burboz.



Victories

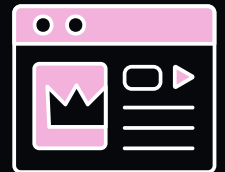
1. **MAYURI MADHAV PHAPALE**

From Final Year secured Second Prize in the Intra-College Poster Making Competition organized by NSS.



2. **HARSH NIMJE**

From Third Year secured First Prize in the National-level SAE ADDC 2025 competition.



3. **HARSH NIMJE**

From Third Year secured Third Prize in the National-level SAE ADDC 2025 competition.



4. **SAKSHI SANTOSH MORE**

From Third Year won Second Prize at the State-level Hackverse 24-hour Hackathon held at WIET, Ulhasnagar.



5. **REEBA PATEL**

From Third Year won Second Prize at the State-level Hackverse 24-hour Hackathon held at WIET, Ulhasnagar.



Victories

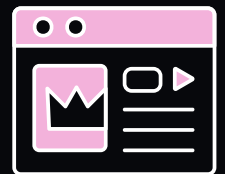
6. BHUMI VEDANT

From Third Year won Second Prize at the State-level Hackverse 24-hour Hackathon held at WIET, Ulhasnagar.



7. ANUSHKA PAWAR

From Third Year won Second Prize at the State-level Hackverse 24-hour Hackathon held at WIET, Ulhasnagar.



8. ANUSHKA PAWAR

From Third Year secured Second Prize in the Intra-College Marathi Bhasha Gungaurav event held at FCRIT."



9. JUHI SANTOSH FERNANDES

From Third Year secured Second Prize in the Intra-College Capture the Flag competition



10. JUHI SANTOSH FERNANDES

From Third Year secured Second Prize in the State-level Capture the Flag event.



Victories

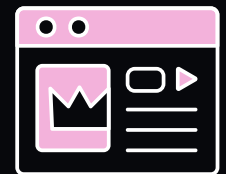
11. RIYA GAWDE

From Second Year secured Third Prize in the State-level Ideathon held at FCRIT, Vashi.



12. ANAMIKA RITESH LAKHERA

From Second Year won First Prize at the National-level NSS Special Camp organized by NSS FCRIT, Vashi.



13. ADITYA JADHAV

from Second Year secured Third Prize in the State-level IPL Auction event organized by the E-Cell.



14. SUMIT JAMDADE

from Second Year secured Third Prize in the State-level IPL Auction event organized by the E-Cell.



15. VED TEREDESAI

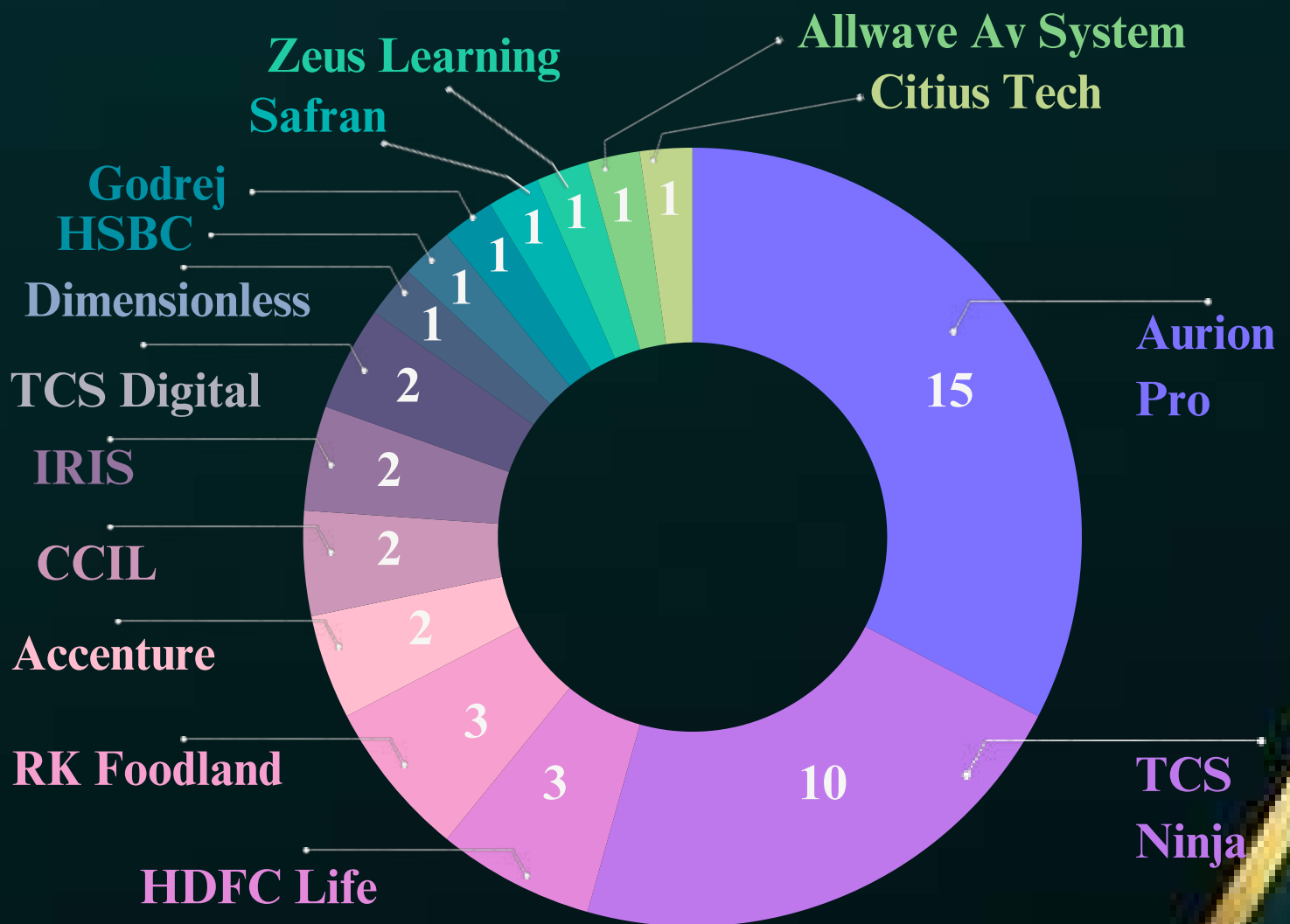
From Second Year secured Third Prize in the State-level IPL Auction event organized by the E-Cell.



TOP RECRUITERS



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DECODED:

Life, Learning & Logic

Real World Projects vs CGPA – What's More Important?

By -Anushka Pawar (TY)

Let's be real — as students, we're all stuck between two goals: keeping that CGPA high and building cool real-world projects. One shows off your academic consistency, while the other proves you know how to get things done in the real world. So, which one actually matters more once we step out of college? Let's break it down.



Why CGPA Still Matters

Your CGPA is basically your report card for how well you've done academically. It shows how well you've grasped theoretical concepts and how you perform under pressure during exams. A solid CGPA (think 7.0 or above) can help you land campus placements, scholarships, or open doors to postgrad studies abroad. It's definitely important if you're eyeing core companies or government jobs.

But here's the thing: CGPA doesn't always tell the full story. It doesn't prove that you can solve real-world problems or that you can build something from scratch. You can have top grades but struggle when it comes to implementing what you've learned in class. And that's where real-world projects become important.



Why Real-World Projects Matter

Real-world projects show that you can apply what you've learned in a practical setting. Whether it's coding a web app, building a machine learning model, or creating a mobile app, you're learning by doing.



**CGPA \neq Skills |
Projects $>$ Potential**

Balance academics with
real-world learning

Projects help you get familiar with tools, languages, and frameworks that are actually used in the industry. Plus, they sharpen your problem-solving and logical thinking skills, which employers really care about.

The best part? Projects give you something to showcase. Employers love seeing GitHub profiles, portfolios, and apps because they get a glimpse of what you've built. In fact, in many cases, having a solid project portfolio can matter more than just your GPA, especially with startups and smaller companies.



Finding the Right Balance

Rather than thinking of CGPA and projects as two things that compete for your time, try to see them as complementary. In your early years, focus on getting a good academic foundation and maintaining a solid GPA.

As you get into your third year, start working on projects, participating in hackathons, and looking for internships. That way, you'll have both: a good GPA and a solid project portfolio.

A CGPA of around 7.0 is usually enough for most placements and higher education opportunities.

Anything higher is just a bonus — but don't sacrifice learning or creativity just to boost your GPA a bit more.

How to Get Started with Projects

Getting started with projects doesn't mean you need to build something mind-blowing. Start with small, useful ideas. Build a to-do list app, a weather app using APIs, a personal finance tracker, or a blog with a custom CMS. As you get more comfortable, dive into more complex stuff like machine learning, data science, or cloud computing projects. Upload your code to GitHub and write a simple README explaining what you've built. Over time, your projects become your personal brand.

Even if it's an academic project or mini-project, treat it like a real-world app. Collaborate with peers, ask for feedback, and try to make it stand out.



Learning by Doing

Real-world projects teach you stuff no textbook can. You'll run into bugs, hit roadblocks, and learn how to fix things on the fly. You'll get experience with version control, managing deadlines, and even leading a team. These are things that no one can teach you in class — and they're the things that will make you stand out once you start looking for a job.

What Actually Matters

When it comes down to it, the biggest thing companies are looking for is your ability to solve

problems. While a decent GPA can get you noticed, what really matters is whether you can get things done in the real world. If you've built something that solves a problem or shows your skills, that speaks louder than any number on your report card.

Final Thoughts

At the end of the day, both CGPA and projects matter, but they serve different purposes. Your CGPA might get you in the door, but your projects will help you stand out and win the conversation. Don't sacrifice your learning or creativity for the sake of grades, and don't ignore academics just to work on projects. The smartest students are the ones who manage to balance both — building a strong foundation and applying it in the real world.

So, instead of asking, "CGPA or projects?", ask yourself, "How can I do both in a smart, balanced way?"

We Are the Glitch in the System And That's a Good Thing

By -Sakshi More (TY)

We were born into a world already buzzing with screens, passwords, updates, and Wi-Fi. We didn't ask for this life, but here we are learning to survive in it, thrive in it, and in many cases, completely flip it upside down. Everyone keeps calling us "the digital generation" like it's a casual tag. But truth be told, we're more than that. We're not just scrolling we're scripting our own reality. We aren't just following trends we're setting them, remixing them, breaking them, and building better ones. And in the middle of all this noise, confusion, chaos we're quietly leading a revolution that doesn't look like a march or a protest. It looks like late nights, glowing screens, college hackathons, failed projects, pizza boxes, and that one idea that just won't leave your head.

People often think of technology as something robotic, cold, and lifeless. But if you look closely, especially at what our generation is doing, you'll find the exact opposite. You'll find fire, emotion, raw intent, and a desire to fix things not for marks or money, but because we're tired of how broken the world feels. We see garbage issues in our cities, and someone builds a smart bin. We see mental health being ignored, and someone codes an app that checks in on people at 2 a.m. We watch our parents struggle with online payments, and someone designs the simplest UI possible, just to make their lives easier.



No one gave us a rulebook. No one taught us how to "change the world." We're just figuring it out with Google, YouTube, and a whole lot of curiosity.

And while adults often roll their eyes and say we're addicted to screens, what they don't see is how we're using those very screens to learn new skills, share stories, connect across borders, and build tools that they never imagined. The hustle is real. There's pressure, there's burnout, and there's a ridiculous competition to "be the next big thing." But still, amidst all of that, we find time to build not just for the resume, but because deep down, we want to leave the world a little less messed up than we found it.

There's something electric about the way we operate. We don't wait for permission. We don't wait to be told it's okay to start. We jump in messy, unsure, but full of fire. We fail publicly, learn loudly, and keep coming back stronger.

We build not because we have all the answers, but because we're not afraid to ask the questions. We code and design and create like artists impulsively, passionately. Even our failures teach us something. And what's most beautiful is that we don't gatekeep knowledge. We help each other. One post, one repo, one tutorial at a time, we lift each other up, knowing that success doesn't have to be a solo climb.

The culture we're shaping isn't just about big tech dreams or flashy startups. It's about community. It's about students from completely different backgrounds coming together to solve problems that matter in their colleges, in their hometowns, or sometimes for people they've never met. We're making education more accessible, healthcare more approachable, and conversations around mental health less awkward. We're blending tech with empathy, a combination the world desperately needs. We don't just want to automate tasks; we want to humanize experiences. Even something as small as designing a relatable UI or adding a friendly chatbot tone becomes an act of kindness. And that's what separates us, we build with heart.

Yes, we still mess up. We procrastinate. We binge-watch instead of debugging. We write bugs that feel like they're haunting us. But even through all of that, we show up. We stay curious. We keep experimenting. And that, in itself, is rebellion. In a world that's telling us to fit in, to follow a fixed path, we're daring to build our own. Whether it's through an app, a website, a game, a community page, or even a meme with meaning, we're using our tools not just to create, but to connect. We don't need to wait to "grow up" to make a difference. We already are.

So here's to every young creator reading this, the one stuck in a bug at 2 a.m., the one too shy to pitch their idea, the one whose first project completely flopped. Keep going. You are the glitch in the system. And in a world that runs on outdated ideas and old rules, that's the best thing you can be.



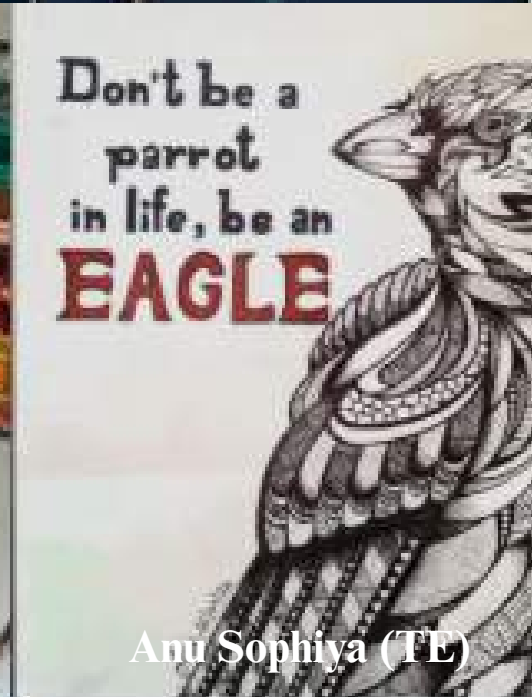
The Creative pod



Anvin Jose (SE)



Siddhi Patil (TE)



Anu Sophiya (TE)



Anu Sophiya (TE)

Art That Wins Hearts



Sakshi More (TE)



Sakshi More (TE)



Sakshi More (TE)



Siddhi Patil (TE)

By Siddhi Patil (TY)



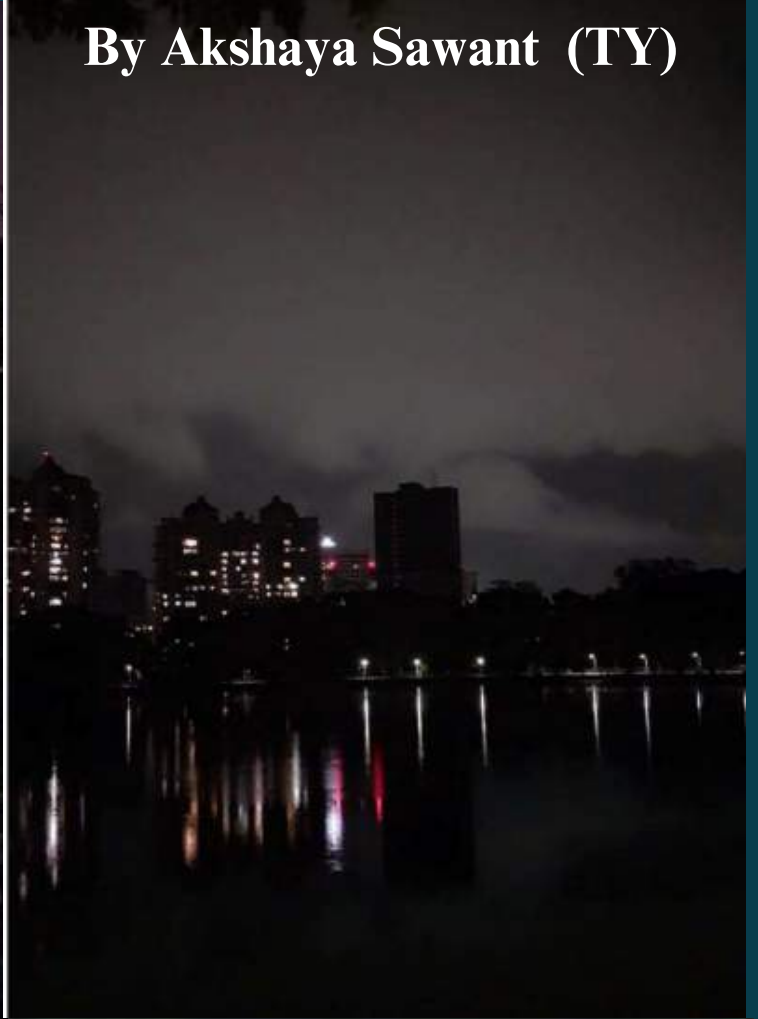
By SHREYA HOSKERI (TY)



By Akshaya Sawant (TY)



By Akshaya Sawant (TY)



By Akshaya Sawant (TY)



By Chacko Martin (SY)



I waited
through golden dawns and hollow nights,
where even the shadows whispered your
name in silence.

With tired eyes and trembling hands,
I clung to a love you had already let go.
You asked for time
and all I had was waiting,
a quiet devotion fading beneath your
vanishing footsteps.

My hopes unraveled in a single breath.
Yet still, in some distant universe,
I believe you're mine.

I wait.
I still wait
for a love
that may never return
to shine.

-BY CHACKO MARTIN (SY)

PHOTO GALLERY

»»» BATCH OF 2021-2025 «««



»»» BATCH OF 2022-2026 «««



»»» BATCH OF 2023-2027 «««



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