ST. JOHN CAMPUS - PALGHAR
St. John College Of Engineering And Management
Autonomous
(A Christian Religious Minority Institute)
Approved by AICTE, Recognised by DTE and Affiliated to the University of Mumbai, MSBTE
NAAC 'A+ Grade | NBA Accredited

AI

CHRONICLES OF TECHIES

ENGINEERING MINDS • INNOVATIVE IDEAS • LIMITLESS IMPACT

A.Y.2025-26

8TH VOLUME OF CHRONICLES

ST. JOHN TECHNICAL AND EDUCATIONAL CAMPUS
VILLAGE VEVOOR, MANOR ROAD, PALGHAR (EAST) 401404

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THE CHRONICLES OF TECHIES

INTRODUCTION

Institute Vision

Excellence in Engineering Education & Creating Next-Gen Leaders/Managers in the Service of Society.

Mission

- To impart quality engineering education for holistic development.
- To promote innovation technology enable teaching and learning process.
- To provide conducive environment for joyful learning, innovation & research.
- To nurture socially responsible engineers, entrepreneurs & leaders.
- To enhance employability skills to meet changing industrial trends.

Department Vision

To be a department committed to develop capable and efficient Computer Engineering graduates with an aptitude for research and leadership qualities.

Mission

- To inculcate a habit of lifelong learning to become globally competent Computer Engineering graduates.
- To promote excellence by encouraging creativity, critical thinking, and discipline.
- To establish relationships with other institutes as well as industries to have collaborative learning.

Program Specific Outcome

- An ability to apply concepts of engineering mathematics, discrete mathematics, data structures, algorithmic principles, object-oriented programming concepts, and Theoretical computer science in the modelling and design of computer-based systems.
- To apply a research-based approach using innovative tools and techniques in the field of networking, operating systems, artificial intelligence security techniques, and database management and mining techniques to deliver quality results and valid conclusions.
- Ability to secure employment or be an entrepreneur and apply the knowledge and understanding of engineering principles while portraying competencies like teamwork, effective verbal and written communication skills, and a zeal for lifelong learning with an ethical responsibility.

Program Educational Outcome

To attain knowledge, skills, and competencies for futuristic needs required at national and international levels with ethical standards.
To contribute to the development of computer engineering through research.

DEPARTMENT OF COMPUTER ENGINEERING

Established in 2008 with an initial intake of 60 students, the Department of Computer Science and Engineering saw its enrollment grow to 120 by 2010. Its goal is to give students the skills and knowledge to succeed in the global job market, become entrepreneurs, or start research careers.The college also offers a Master of Engineering in Computer. Employing innovative teaching methods such as flipped classrooms and blended learning, the department aims to deliver an exceptional educational experience. With eight well-equipped laboratories featuring licensed software and internet access, students are well-supported for experiments, assignments, projects, and research. Active student chapters of CSI, ISTE, and SPCA regularly organize workshops and hands-on sessions with industry experts to enhance students' knowledge. The department also fosters collaborative learning to help students benefit from peer interactions. It has consistently demonstrated excellent academic performance and successful placements, all while striving to promote comprehensive development in the field of computer science and engineering.





Chairman
Mr. Albert W. D'Souza
Aldel Education Trust(AET)

I'm thrilled to see the eighth edition of the Computer Engineering Department's newsletter from St. John College of Engineering and Management, Palghar. This newsletter is a fantastic resource for keeping up with our department's activities. Congratulations to the Head of Department, staff, students, and the editorial team on this new issue. We remain dedicated to providing the best for our students at St. John. Thank you to all the parents, students, and stakeholders for your continued support. Together, let's strive towards our vision of "Excellence in Serving to Educate and Educating to Serve."



Principal
Dr. Kamal Shah
Aldel Education Trust(AET)

It fills me with pride to reflect on our college's journey in fostering academic excellence and holistic development. Our students, faculty, and staff have shown dedication in every achievement, both inside and outside the classroom. The Sophisticated and Perpetual Coders Association(SPCA) has been a key contributor, offering events, activities, and competitions that keep students at the forefront of innovation. The release of the 8th edition of Techies (COT) is a testament to the vibrant spirit of our computer department. As we nurture this environment of creativity and learning, I am confident our college will remain a beacon of knowledge and leadership. I hope this magazine reminds us of the accomplishments that define our community.



Member
Mr. Aldridge D'Souza
Aldel Education Trust
(AET)

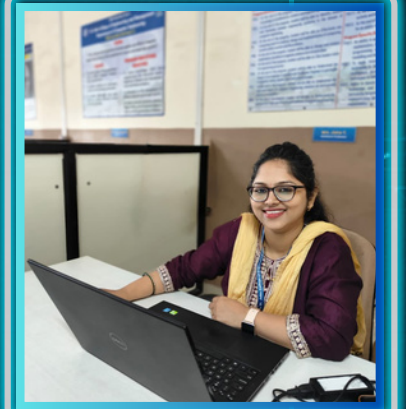
I'm delighted to see the release of the eighth edition of the Computer Engineering Department's newsletter, highlighting the vibrant student activities, faculty accomplishments, workshops and many more. Congratulations to the Head of the Department, faculty, and students of SJCEM on these remarkable achievements. As we continue our journey together at St. John Technical Campus, Palghar, here's to many more successes. The newsletter also features insightful workshops, expert lectures, and accomplishments across various domains. Kudos to the team for their unwavering dedication and hard work.

EDITOR-IN-CHIEF



Head Of Department
Dr. Sunny Sall

I believe there is scope to refine certain rules, particularly as the institution transitions from the University of Mumbai framework to autonomy, which naturally requires time to stabilize. Having been associated with Computer Engineering department for eight years. My overall experience has been very positive. As a Head of the Department, I find the college to be an excellent place to work, with a healthy environment that supports growth and collaboration. From a parent's perspective as well, since my son is studying here, I value the strong communication and timely updates provided by the institution. While staff changes at times create minor challenges, the overall culture remains professional, supportive, and conducive to both teaching and learning.



Faculty Co-ordinator
Mrs.Priyanka Kamble

Dear Reader's

We are proud to present Volume 8 of Chronicles of Techies (COT) for the academic year 2025-26.

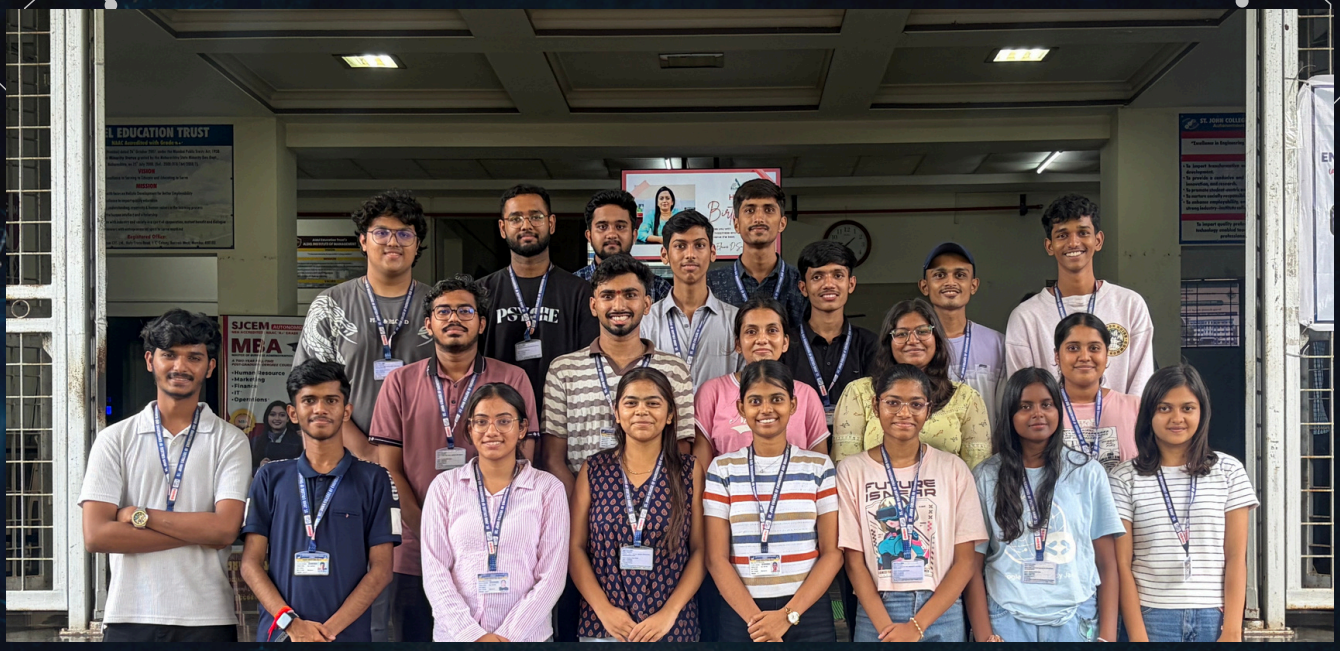
This edition showcases our department's Vision, Mission, POs, PEOs, and PSOs, along with messages from key dignitaries including Mr. Albert W. D'Souza, Mr. Aldridge D'Souza, Dr. Kamal Shah, and Dr. Sunny Sall.

Highlights include updates from CSI, SPCA, and ISTE events, faculty and student achievements, research work, workshops, and placement success. We also feature inspiring contributions from alumni and coverage of co-curricular and extra-curricular activities.

This volume reflects the dedication of our HOD, faculty, students, and the editorial team. We hope it inspires all budding engineers to strive for excellence.

Warm regards,
Team COT

COT MEMBERS



Hello from the Editorial Team! We're excited to bring you the Eighth edition of our Computer Department newsletter, "Chronicles of Techies." Following the success of our previous edition, we were eager to document the various events that many of you participated in. Our biggest challenge this time was the data collection for newsletter and tight schedule—we had just 15 days to pull everything together. But as engineers, we thrive on finding solutions, and with a dedicated team of 16, we made it happen!

In this edition, you'll find highlights of our departmental activities, along with stunning artwork and poetry from our classmates. We're also featuring some of the best projects from the Computer Department and motivational messages from our alumni.

A heartfelt thank you to our respected Chairman, Principal, HOD, and the entire Computer Engineering Department for their invaluable support and encouragement. Keep your spirits high until we meet again, and remember to work hard to turn your dreams into reality—we want to chronicle your achievements too!

Happy reading!

SPCA COT Team Members :

Core Team:

Manav Vartak(President), Tanaya Bagade(Vice-President), Ayush Kini(Secretary).

SPCA Heads & Joint-Heads :

Arya Patil , Aarti Gupta , Aarya Naik , Sarvasvi Patil, Aryan Gharat, Nilesh Sharma , Aryan Yadav.

SPCA Members :

Aarya Shaparia, Tejaswini Kadam, Smit Pradhan, Mansi Shirsat, Rumani Pashte, Sanskruti Newalkar, Jyoti Yadav, Prachit Gharat, Alen Mathew, Vaishnavi Khamait, Sparsh Parmar, Madhura Pimple, Yatharth Raut Satyam Mahto.

DEPARTMENTAL ACTIVITIES



A Peer-to-Peer Session on AI Engineering was conducted to familiarize students with Artificial Intelligence concepts and applications. The session promoted knowledge sharing and practical learning.

Students explored Augmented Reality, Virtual Reality, and Game Development through an interactive Peer-to-Peer Session, gaining exposure to emerging technologies.





The Financial Awareness session provided insights into financial literacy, money management, and investment practices, helping students build awareness of essential financial concepts.



The SPCA Committee successfully organized the COT Magazine Reveal Ceremony, showcasing students' achievements and creativity.

The Department of Computer Engineering organized a farewell event to celebrate and bid goodbye to the graduating batch.





The Alumni Speaks session provided students with valuable career insights, industry exposure, and professional guidance, helping them prepare for successful IT careers.

The Alumni Speaks session provided valuable insights into DevOps technologies, industry trends, career opportunities, and essential skills, helping students gain practical knowledge and prepare for successful careers in the IT industry.



SPCA EVENTS

MONKEY TYPING

A fun and engaging typing-based event that challenged students to test their speed, accuracy, and concentration. Participants competed to achieve the best typing performance while enjoying a lively and interactive experience



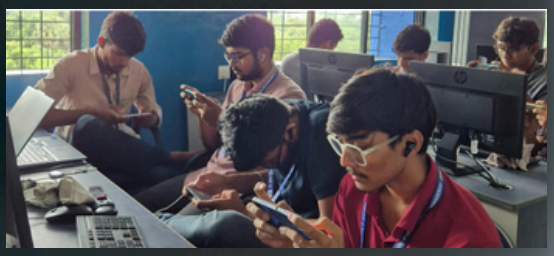


Teachers' Day Celebration

The event celebrated the dedication and contribution of teachers through heartfelt wishes, entertaining activities, and memorable moments. It created a warm atmosphere and strengthened the bond between students and faculty.

BGMI Event

An exciting BGMI gaming event that brought students together for a competitive and entertaining experience. The event encouraged teamwork, quick decision-making, and strategic thinking while creating an energetic gaming environment.





Tech Arena

Tech Arena provided students with a platform to showcase their technical knowledge, creativity, and problem-solving abilities. Through engaging challenges and activities, the event encouraged innovation, teamwork, and healthy competition.

CSI EVENTS



BIA WEBCADE 2025- A HACKATHON TO REMEMBER

SJCEM buzzed with energy as CSI Student Chapter hosted BIA Webcade 2025, a 12-hour hackathon that turned code into creativity and competition into collaboration.

Held on 14th September, the event brought together 31 enthusiastic teams to showcase their skills in web development. From intense coding rounds to expert mentoring and inspiring interactions, the day was filled with creativity and collaboration. The presence of Principal Dr. Kamal Shah boosted spirits, while networking sessions connected students with industry professionals. After hours of problem-solving, Team donotreact.js emerged as champions, with Sacred Scripts and Dev Dynamo securing the runner-up positions. The event concluded with cheers, celebrations, and a proud reminder of the innovation culture nurtured at SJCEM.

The 19th and early 20th centuries were a golden age of technological breakthroughs that set the stage for the modern world. Innovations like the telegraph and telephone revolutionized communication, allowing people to connect instantly across vast distances. The invention of the light bulb and advancements in electricity transformed homes and cities, making life safer and more efficient. Meanwhile, early computing concepts by pioneers such as Charles Babbage hinted at the digital future. Together, these inventions sparked a wave of progress that fueled industrial growth and reshaped society forever.

FACULTY ACTIVITIES

DR. NILESH DEOTALE

- “Shipfare : Shipment Price Prediction”
- “Torque ripple minimization in an 8/6 switched reluctance motor drive: optimization using the AZOA method”
- “Bias- Resilient Framework for Emotion Prediction Using Facial Recognition in Real-World Applications”
- “Subjective Answer Evaluation Using Bert Model”
- “Detecting Human Activies In COMA Patients Using ML Algorithm”
- “Detection and Diagnosis of PCOS using Machine Learning”
- “Smart Assistive Stick with Voice-Assisted Object Detection and Classification for the Visually Imparied”
- “Elevate Customer Engagement with WhatsApp chat Analysis”
- “Advance Artificial Intelligence Features for Futuristic World”

DR. SUNNY SALL

- Strategic Frameworks & Actionable Insights Essentials for Institutional Transformation and Competitive Positioning in Evolving Educational Landscape
- Entrepreneurship Development
- Pioneering 6G: Transforming Connectivity for the Future
- Design Thinking
- Entrepreneurship Development

DR. MAHESH MAURYA

- “Cyber Security and Digital Forensics”
- “Topical Advisory panel in Artificial Intelligence and Information Systems”
- “Impact and Outcome of Industry 4.0/5.0”
- “Emerging Significance of Artificial Intelligence in Biomedical, Industry 5.0,Cyber Security & Data Forensics”
- “1st International Conference on Machine Intelligence and Data Science (MIDAS-2025)”
- “Journal Paper: Enhanced Multi-class lung nodule classification using optimized artificial neural network”

FACULTY ACTIVITIES

MRS. POOJA PATIL

- Virtual Labs: Hands-on Outreach Workshop
- Outcome Based Education and Application of Generative AI for Pedagogical Excellence
- AI-Driven Cybersecurity: Defence Strategies for the Digital Era
- Holistic OBE Implementation
- Role of AI & ML in Smart Grids
- AI in Education
- Climate Resilient Pathways
- NEP 2020: Orientation and Sensitization
- Quantum Intelligence: Exploring the Convergence of Quantum Computing and AI
- IP Awarene
- “Next-Gen Computing: Advances in HPC and Quantum Technologies for Data-Driven Insights”

MS. DEEPIKA NADAR

- Spectrum Softtech Solutions Pvt. Ltd., and Kerala Electrical and Allied Engineering Co. Ltd. (KEL)
- Entrepreneurship Development
- Hackathon Indradhanu – International Grand Challenge 2025
- Outcome Based Education and Application of Generative AI for Pedagogical Excellence
- “MasterClass on Watson X Ecosystem & Data Prep Kit”
- “Enhancing Transparency and Security in Diamond Industry using Blockchain”
- “Leveraging Artificial Intelligence for Climate and Sustainability”
- “Big Mart Sales Prediction”

MRS. VIDYA N. KAWTIKWAR

- Entrepreneurship Development
- Outcome Based Education and Application of Generative AI for Pedagogical Excellence
- Geospatial Data Analytics: A Fusion of Spatial Science and AI

FACULTY ACTIVITIES

MRS. ONIZA SHAIKH

- Virtual Labs :Hands-on Outreach Workshop
- Outcome Based Education and Application of Generative AI for Pedagogical Excellence
- AI -Driven Cybersecurity: Defence Strategies for the Digital era
- Holistic OBE Implementation
- Role of AI & ML in Smart Grids
- AI in Education
- Climate Resilient Pathways
- NEP 2020: Orientation and Sensitization
- IP Awareness/Training
- Entrepreneurship Development

MR. AJAY SIRSAT

- “From data to impact:AI in Healthcare and Agriculture”
- “Deep Learning and It’s Applications”

MRS. RASHMI BHAT

- “Next-Gen Computing: Advances in HPC and Quantum Technologies”
- Outcome Based Education and Application of Generative AI for Pedagogical Excellence
- Entrepreneurship Development

MRS. PRIYANKA KAMBLE

- Entrepreneurship Development
- Intelligent Connectivity: AI-Driven Evolution in Next-Gen Communication Networks
- Outcome Based Education and Application of Generative AI for Pedagogical Excellence

MRS. JANHAVI SANGOI

- Entrepreneurship Development
- Climate Resilient Pathways for Sustainable Development
- Outcome Based Education and Application of Generative AI for Pedagogical Excellence

STUDENT ACHIEVEMENTS













STUDENT ACHIEVEMENTS













STUDENT ACHIEVEMENTS













STUDENT ACHIEVEMENTS

CERTIFICATE
OF ACHIEVEMENT
Vrushal Suresh Patil
Kabbadi

CERTIFICATE
OF ACHIEVEMENT
Sahil Narkar
Basketball,Badminton

CERTIFICATE
OF ACHIEVEMENT
Himesh Akre
First rank in Theatre

CERTIFICATE
OF ACHIEVEMENT
Hitanshu Vaidya
Short film Making

CERTIFICATE OF ACHIEVEMENT





Himanshu Kapadiya

- IPTA: Winner & Best Actor
- Kokan Chashak: Winner
- Youth Festival: Marathi & Hindi One-Act Play Awardee
- State Laurels: Sawai Ekankika, Atal Karandak, Pali Pratishthan & Arohan

DEPARTMENT TOPPERS

S.E.

1 RANK
Awasthi Jyoti Satyendra Meena
CGPA
9.91

1 RANK
Yadav Jolly Shambhu prasad Meena
CGPA
9.91

3 RANK
Asar Sadf Shakeel Sumaiya
CGPA
9.87

T.E.

1 RANK
Raut Srushti Amulkumar Anuja
CGPA
9.98

2 RANK
Rai Sejal Manoj Ragini
CGPA
9.80

2 RANK
Khandelwal Urvi Harish Rekha
CGPA
9.80

B.E.

1 RANK
Panda Nisharani Shivram Savitri
CGPA
9.56

2 RANK
Choudhary Paraskumari Asaram Hemi Devi
CGPA
9.55

3 RANK
Gharat Pratiksha Rajesh Rajeshree
CGPA
9.34

TOP BE PROJECTS

PROJECT TITLE :- MULTI AI CHAT PALTFORM WITH BEST RESPONSE SELECTION

GUIDE:- DR. SUNNY SALL

STUDENTS:- AMIT TRIPATHI, RUDRA SAWANT, RIYA KAWALI, ARYAN PATIL

DESCRIPTION:- A UNIFIED PLATFORM THAT COMPARES RESPONSES FROM MULTIPLE AI MODELS AND INTELLIGENTLY SELECTS THE MOST ACCURATE AND RELEVANT ANSWER.

PROJECT TITLE :- MULTI MODAL BIOMETRICS WITH GAIT FOR DEFENCE ACCESS

GUIDE:- MRS. RASHMI BHAT

STUDENTS:- HIMANSHU VAIDYA , VIDHEE PATEL , RUTIKA HOLAMBE , DEEP MHABDI

DESCRIPTION:- A HIGH-SECURITY ACCESS CONTROL SOLUTION UTILIZING MULTI-MODAL BIOMETRIC AUTHENTICATION AND MACHINE-LEARNING-BASED GAIT ANALYSIS FOR DEFENSE INSTALLATIONS.

PROJECT TITLE :- SMARTGUARD: AI-POWERED NETWORK SECURITY FIREWALL FOR ANDROID

GUIDE:- MR. AJAY SIRSAT

STUDENTS:- ONKAR ARADHYE , JAY MANELA , OMKAR CHAFEKAR, DIVYANSHU BHOIR

DESCRIPTION:- AN INTELLIGENT MOBILE SECURITY FIREWALL LEVERAGING ARTIFICIAL INTELLIGENCE TO DETECT, CLASSIFY, AND MITIGATE UNAUTHORIZED NETWORK INTRUSIONS AND MALWARE THREATS ON ANDROID DEVICES.

TOP BE PROJECTS

PROJECT TITLE :- SMART HELMET FOR ACCIDENT PREVENTION

GUIDE:- DR. NILESH DEOTALE

STUDENTS:- AYUSH BARI, HARSHITA GHARAT, DEVANK MHATRE, DEV SARKAR

DESCRIPTION:- AN IOT-ENABLED PROTECTIVE SYSTEM INTEGRATING SMART SENSORS FOR REAL-TIME RIDER MONITORING, ALCOHOL DETECTION, AND IMMEDIATE ACCIDENT ALERT TRIGGERING.

PROJECT TITLE :- PROGNOSTICX: INDUSTRIAL PREDICTIVE MAINTENANCE USING MULTI-AGENT SMALL LANGUAGE MODELS

GUIDE:- MRS. DEEPIKA NADAR

STUDENTS:- PREMPRAKASH GUPTA, AMAN KANU, SINGH RAHUL JITENDRA, AAYUSH PATIL

DESCRIPTION:- AN INDUSTRIAL MONITORING FRAMEWORK EMPLOYING SPECIALIZED, COLLABORATIVE SMALL LANGUAGE MODELS (SLMS) TO FORECAST MACHINERY FAILURES AND AUTOMATE PREDICTIVE MAINTENANCE WORKFLOWS.

PROJECT TITLE :- BANK INTEGRATED BLOCKCHAIN SYSTEM FOR TRANSPARENT DONATION TRACKING

GUIDE:- MRS. RASHMI BHAT

STUDENTS:- BHAGAT PRAVIN, HIMANSHU DWIVEDI, KRISHNENDU DEY, ROHAN DUBEY

DESCRIPTION:- A DECENTRALIZED, TRANSPARENT DONATION MANAGEMENT PLATFORM INTEGRATING DIRECT BANKING CHANNELS WITH BLOCKCHAIN LEDGERS TO ENSURE VERIFIABLE AND TAMPER-PROOF CHARITY FUND ALLOCATION.

WINNERS
SMART INDIA HACKATHON

FINALIST OF SMART INDIA HACKATHON (2025)

TEAM NAME : GIT IGNITE





TEAM MENTOR :
DR. SUNNY SALL
DR. MAHESH MAURYA

TEAM LEAD :
MR. SHIVAM SINGH

TEAM :
MS.VAISHNAVI TRIPATHI
MR.KRUTURAJ PADWAL
MR.OM SINGH
MR.SHIVAM SINGH
MR.SIDDESH TRIPATHI
MS.VISHAKHA ROY



TOP 5 B.E
PLACEMENTS

NIGEL MASCARENHA
VISIONX TECHNOLOGIES
10 LPA

OM SINGH
ACCELYA
7 LPA

ROSHAN KAMAT
ICICI PRUDENTIAL
5.5 LPA

SUMESH YADAV
VISIONX TECHNOLOGIES
5 LPA

VISHAKHA ROY
KAMA JEWELRY PVT LTD
3.20 LPA

For more Info...

INTERNSHIPS

VILAS OZA

DURATION: 15 DAYS | IOFT | THIRD YEAR

ADTIYA PAL

DURATION: 15 DAYS | IOFT | THIRD YEAR

ARYAN PAL

DURATION: 15 DAYS | IOFT | THIRD YEAR

SURAJ PAL

DURATION: 15 DAYS | IOFT | THIRD YEAR

VIKASH PANDIT

DURATION: 15 DAYS | IOFT | THIRD YEAR

NEHA PARAB

DURATION: 15 DAYS | IOFT | THIRD YEAR

For more Info...

INTERNSHIPS

DIPANSHU AREKAR

DURATION: 15 DAYS | QSPIDERS | FINAL YEAR- A

AAYUSH BARI

DURATION: 15 DAYS | NIIRA CRAFT AND CURATED PRIVATE LIMITED | FINAL YEAR- A

DAVID BHINGARDIVE

DURATION: 15 DAYS | QUALYS | FINAL YEAR- A

KSHITIJ DALVI

DURATION: 15 DAYS | QSPIDERS | FINAL YEAR- A

RIYA KAWLI

DURATION: 15 DAYS | BINARYCORP | FINAL YEAR- A

HIMANSHU MACHHI

DURATION: 15 DAYS | QSPIDERS | FINAL YEAR- A

For more Info...

ALUMNI SPEAKS

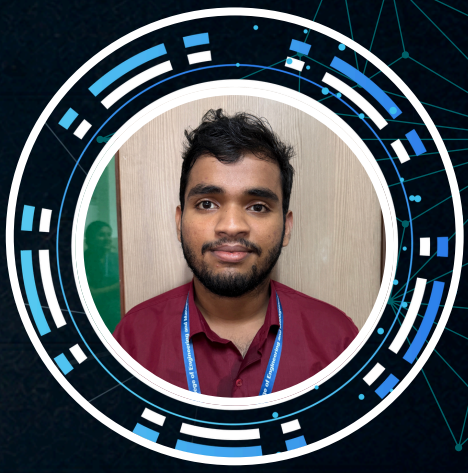


Joining St. John College of Engineering and Management as a Direct Second Year Computer Engineering student has been a transformative journey, filled with learning, adventures and memories. The supportive faculty, modern labs, and practical projects helped smooth my transition from diploma to degree while strengthening my technical and teamwork skills. I developed valuable skills in Programming, teamwork, problem solving and communication. I am truly grateful to my professors and peers for shaping my confidence and professional growth.

OMKAR MEHER

I am Harsh Patil, a B.Tech Computer Engineering graduate (2026) from SJCEM, now pursuing my M.Tech here and working as a TA in the CS & Data Science Department.Being here today feels special because a few years ago,I was sitting in the same class as the student. My journey taught me that true success comes from hands-on skills, consistency, and confidence, not just grades. Master the basics, build real projects, never fear failure, and trust your unique journey.Find your passion, master the fundamentals, build projects, and stay consistent. Don't fear mistakes or compare your path—keep learning and believe in yourself!

HARSH PATIL

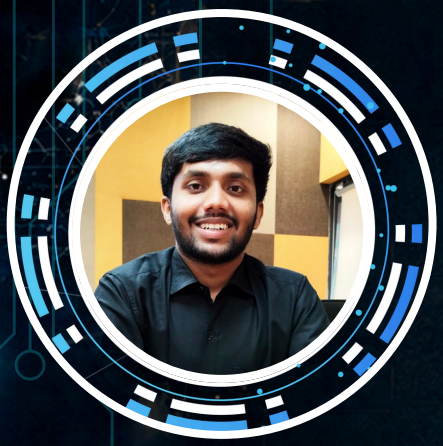




As a proud member of the 2024–25 graduating batch, my college journey has been a memorable blend of learning, growth, and experiences that I will always cherish. Along with academics, college gave me opportunities to explore my interests and build confidence.Being a member of the ISTE Design Team helped me develop my creativity, teamwork, and practical skills. One of my most memorable achievements was securing 2nd rank in the Youth Zonal Round for Folk Dance. It was a special experience that taught me the importance of teamwork, dedication, and confidence.I am grateful to my teachers, friends, and college for all the opportunities and memories. The lessons and experiences from these years will always stay with me and guide me in my future journey. To my juniors, I would simply say: make the most of your college life, try new things, enjoy the journey, and never be afraid to learn from your mistakes.

DISHA BHANDARE

ALUMNI SPEAKS



I am grateful to my college for giving me a strong foundation in Computer Engineering and helping me grow both technically and personally.After completing my degree, I chose to pursue *M.Tech* to further enhance my knowledge and skills.Currently, I am working as a *Teaching Assistant*, which has given me valuable experience in teaching and communication.This journey has taught me that learning is a continuous process and every experience helps us grow.
I encourage students to explore, learn new technologies, and make the most of their college journey.I am proud to be an alumnus and thankful for everything my college has contributed to my journey.

DIPTANSHU AREKAR

My four-year journey at St. John College of Engineering and Management has been a beautiful and memorable experience. From the first day of college to graduation, every moment brought new learning, friendships, challenges, and wonderful memories.The guidance and support of my teachers, along with the encouragement of my friends, played an important role in making my college journey meaningful. College taught me not only academic lessons but also the values of confidence, discipline, teamwork, and perseverance.I am truly grateful to St. John College for giving me an environment where I could learn, grow, and create memories that I will always cherish.To all the students, I would say: enjoy every moment, learn from every experience, and make the most of your college years.
I am proud to be a part of the St. John family and will always cherish these beautiful memories.

PARAS KUMARI



TECHNICAL ARTICLE

WHEN AI MEETS CYBERSECURITY: THE NEW DIGITAL BATTLEFIELD



MR. ARYAN PAL
BE COMPS B

Artificial Intelligence (AI) is transforming cybersecurity by enabling organizations to detect, analyze, and respond to cyber threats more quickly and efficiently. It uses machine learning, automation, and behavioral analysis to identify suspicious activities, protect digital systems, and reduce the impact of cyberattacks.
Key Applications of AI in Cybersecurity:

1. Threat Detection:
Description: AI analyzes network traffic, system activity, and user behavior to identify unusual patterns that may indicate malware, intrusions, hacking attempts, or unknown threats.
Use Cases: Ideal for real-time monitoring, network security, intrusion detection, and identifying suspicious activities.

2. Phishing Detection:
Description: AI scans emails, messages, websites, and links to identify suspicious patterns associated with phishing and social engineering attacks.
Use Cases: Useful for securing email gateways, online accounts, banking platforms, and internal organizational communication.

3. Malware Analysis:
Description: AI examines file structures and program behavior to detect, classify, and analyze existing as well as emerging malware variants.
Use Cases: Effective for endpoint security, virus detection, ransomware defense, and automated code analysis.

4. Fraud Detection:
Description: AI continuously monitors transactions and user behavior to detect unusual activities and identify possible fraudulent transactions in real time.
Use Cases: Widely used in banking, online payment systems, e-commerce platforms, and financial services.

5. Automated Incident Response:
Description: AI assesses the severity of security incidents and automatically performs predefined actions to reduce the impact of attacks and prevent further damage.
Use Cases: Useful for blocking compromised accounts, isolating infected devices, stopping malicious activities, and responding to security breaches.

6. AI-Powered Security Analysis:
Description: AI combines information from system logs, network traffic, and security events to identify complex and multi-stage cyberattacks.
Use Cases: Suitable for Security Operations Centers (SOC), threat intelligence, risk assessment, attack investigation, and security monitoring.

Conclusion:
AI provides powerful capabilities for strengthening cybersecurity by making threat detection, analysis, and response faster and more effective. However, attackers can also use AI to develop advanced cyber threats. Therefore, the future of cybersecurity requires a combination of AI technology, human expertise, continuous monitoring, and strong security practices.

TECHNICAL ARTICLE

WHEN ALGORITHMS BECOME DOCTORS :: THE FUTURE OF AI IN HEALTHCARE

AI enhances healthcare by helping doctors, clinicians, and researchers process medical data quickly to improve diagnosis, treatment, medical imaging, and drug discovery. It supports healthcare professionals in making faster and more informed decisions.

ADVANTAGES OF AI IN HEALTHCARE:

- Faster Diagnosis: Helps detect diseases and abnormalities quickly.
- Improved Accuracy: Supports doctors in analyzing medical data and images.
- Early Disease Detection: Identifies early signs of diseases.
- Personalized Treatment: Helps create treatment plans based on individual patient data.
- Faster Drug Discovery: Helps researchers identify potential medicines more efficiently.
- Better Patient Monitoring: Enables continuous monitoring and remote healthcare.
- Reduced Workload: Automates repetitive tasks and supports healthcare professionals.



MR. NILESH SHARMA
BE COMPS B

KEY APPLICATIONS OF AI IN HEALTHCARE:

1. MEDICAL IMAGE ANALYSIS:
DESCRIPTION: Scans X-rays, CT scans, and MRIs to highlight abnormalities requiring clinical attention.
USE CASES: Detecting tumors, bone fractures, and pulmonary conditions.

2. DISEASE DETECTION:
DESCRIPTION: Evaluates symptoms, laboratory results, and health records to identify early indicators of diseases.
USE CASES: Early screening, risk assessment, and diagnostic support.

3. DRUG DISCOVERY:
DESCRIPTION: Analyzes biological and molecular data to identify potential pharmaceutical compounds and accelerate research.
USE CASES: Molecular analysis, therapeutic targeting, and reducing research time.

4. PERSONALIZED HEALTHCARE:
DESCRIPTION: Uses individual genetic, clinical, and lifestyle data to provide customized treatment and healthcare plans.
USE CASES: Custom treatment plans, patient monitoring, and health prediction

5. VIRTUAL HEALTH ASSISTANTS:
DESCRIPTION: Provides basic health guidance, appointment support, and medication reminders to patients.
USE CASES: Appointment scheduling, remote care, and basic medical inquiries.

6. ROBOTIC-ASSISTED SURGERY:
DESCRIPTION: Provides greater precision, stability, and visual guidance to assist surgeons during complex procedures.
USE CASES: Minimally invasive surgery, precision guidance, and operative support.

POETRY

The Girl Who Kept Going

She carried dreams beneath her skin,
A little hope, a world within.
The road was never smooth or bright,
Yet still she walked into the night.
She stumbled, failed, and lost her way,
But chose to rise another day.
For every scar and every tear,
Was proof she fought her deepest fear.
They told her, “Dreams are hard to chase,”
She smiled and picked up her pace.
For she had learned, along the way,
That courage grows when hopes don't stay.
She doesn't need the world to see
The strength that lives quietly.
She only needs to trust her heart,
And have the courage to restart.
So here's to dreams that won't be small,
To rising up each time we fall.
For sometimes, all that we must do
Is keep believing and follow through.

– Tanaya Bagade
TE COMPS A

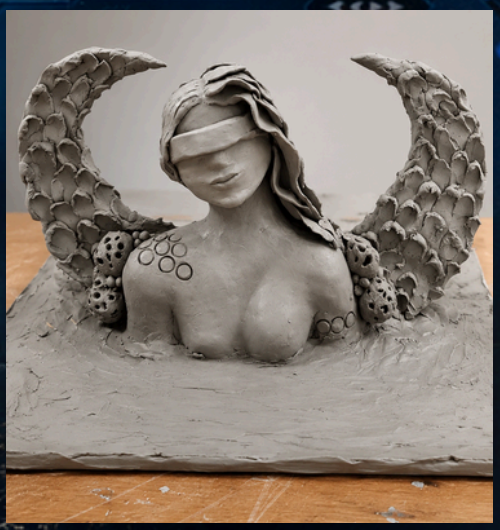
ART WORKS



Nupur Nilesh Ingale
COMPS T.E -A



Sai Alim
COMPS T.E -A

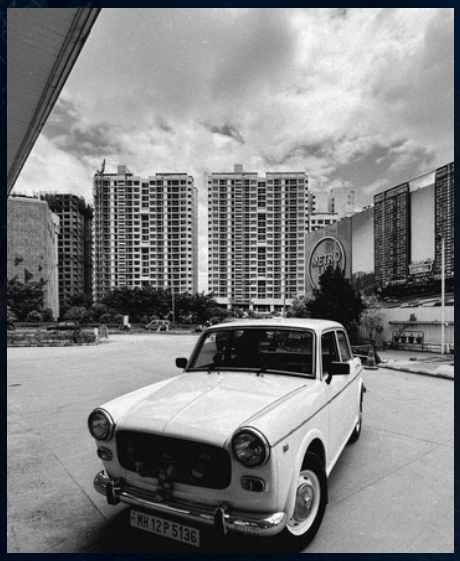


Aryan Singh
COMPS S.E - B

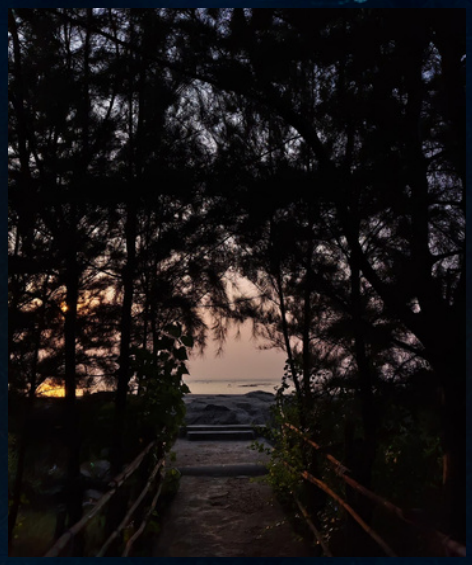


Mansi Shirsat
COMPS S.E - B

PHOTOGRAPHY



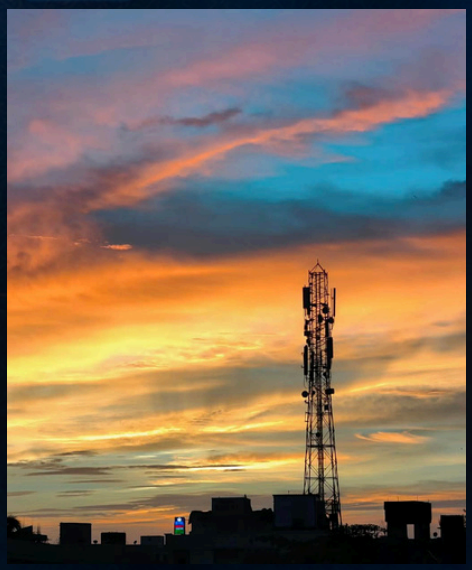
Aarya Shaparia
COMPS T.E -B



Arya Patil
COMPS T.E -B



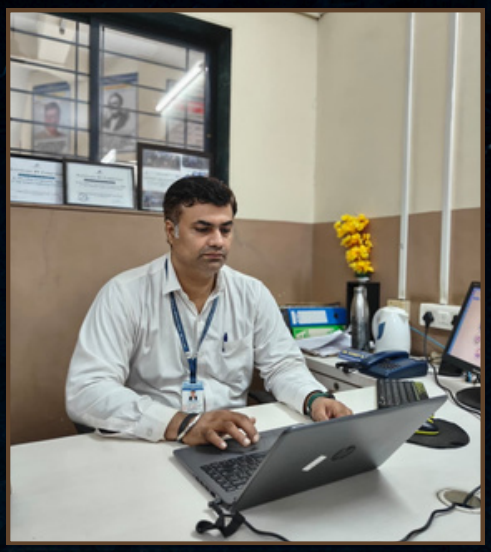
Tanaya Bagade
COMPS T.E - A



Ayush Kini
COMPS T.E -A

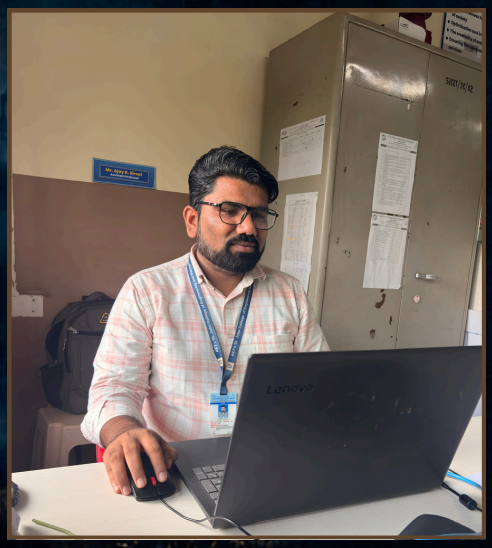
EXCLUSIVE COVERAGE

The Department is moving forward in the transitional stage, moving from the University of Mumbai framework towards autonomy. This dual structure naturally requires a lot of adjustments; however, it also opens opportunities for continuous improvement in aligning rules, processes, and academic excellence. I have been part of the department for seven years now, initially serving in the Computer Department for four years and now returning with greater responsibilities. My professional experience here has been very positive. the institution provides a constructive, collaborative environment and encourages academic and personal growth. The processes are transparent and this transparency builds confidence and trust. We have achieved a lot in last one year. A team of Students won the the SIH 2025. We were part of the ISRO exhibition in February 2026 where more than 12500 people visited our Institute. Our faculties and Students have published many papers, patents, copyrights, signed MoUs with various Industries. We have 18 industries who came for training our students on various technologies. Our Students have won prizes in Youth Festival, Idea Pitching, Hackathons, Quizzes. Our Department have got approval to start PhD in Computer Engineering. We inaugurated Metaverse Center of Excellence. And I am sure this is just the beginning. Overall, the college is an excellent place for both students and faculty, combining strong academic standards with a supportive culture.



DR. SUNNY SALL





MR. AJAY SIRSAT

St. John College of Engineering and Management (SJCEM), Palghar, is committed to providing quality engineering education that combines academic excellence, innovation, research, and industry exposure. The college fosters a student-centric learning environment with modern infrastructure and opportunities for technical, professional, and holistic development. The Department of Computer Engineering focuses on developing skilled and industry-ready professionals through strong technical education, practical learning, research, internships, projects, and co-curricular activities. The department encourages innovation and emerging technologies while nurturing creativity, problem-solving abilities, and lifelong learning among students. SJCEM strives to empower students with knowledge, skills, and values to become competent professionals and responsible contributors to the digital future.

EXCLUSIVE COVERAGE

Our institute's journey towards autonomy opens new possibilities for growth, innovation and academic excellence. Autonomy gives us the flexibility to update curricula, introduce new courses, adopt innovative teaching methods and create learning experiences that are relevant to changing industry and societal needs.

At the same time, autonomy brings responsibility. The famous Spider-Man movie quote, "With great power comes great responsibility," perfectly captures its spirit. Greater academic freedom must be accompanied by greater commitment from everyone involved.For teachers, the role extends beyond completing the syllabus. We must become facilitators, mentors and lifelong learners, creating an environment where students feel encouraged to question, explore, experiment and learn from mistakes.For students, autonomy offers many opportunities, but they must take ownership of their learning. We expect them to be curious, disciplined and proactive, and to explore opportunities beyond the classroom through projects, research, internships and competitions.

Together, let us use autonomy responsibly to build a culture of learning, innovation, responsibility and excellence.



MRS. RASHMI BHAT





MRS. PRIYANKA KAMBLE

Our institute's journey towards autonomy marks an exciting new chapter of growth, innovation and academic excellence. Autonomy provides us with greater flexibility to update our curriculum, introduce new courses and adopt innovative teaching methods that meet the changing needs of industry and society.

At the same time, autonomy brings greater responsibility. Teachers must go beyond completing the syllabus and become mentors and facilitators who inspire students to question, explore, experiment and learn. Students, too, must take ownership of their learning by being curious, disciplined and proactive, while exploring opportunities through projects, research, internships and competitions. Together, with responsible use of this academic freedom, we can build a stronger culture of learning, innovation, responsibility and excellence, and prepare our students for a successful future.

SJCEM ANTHEM

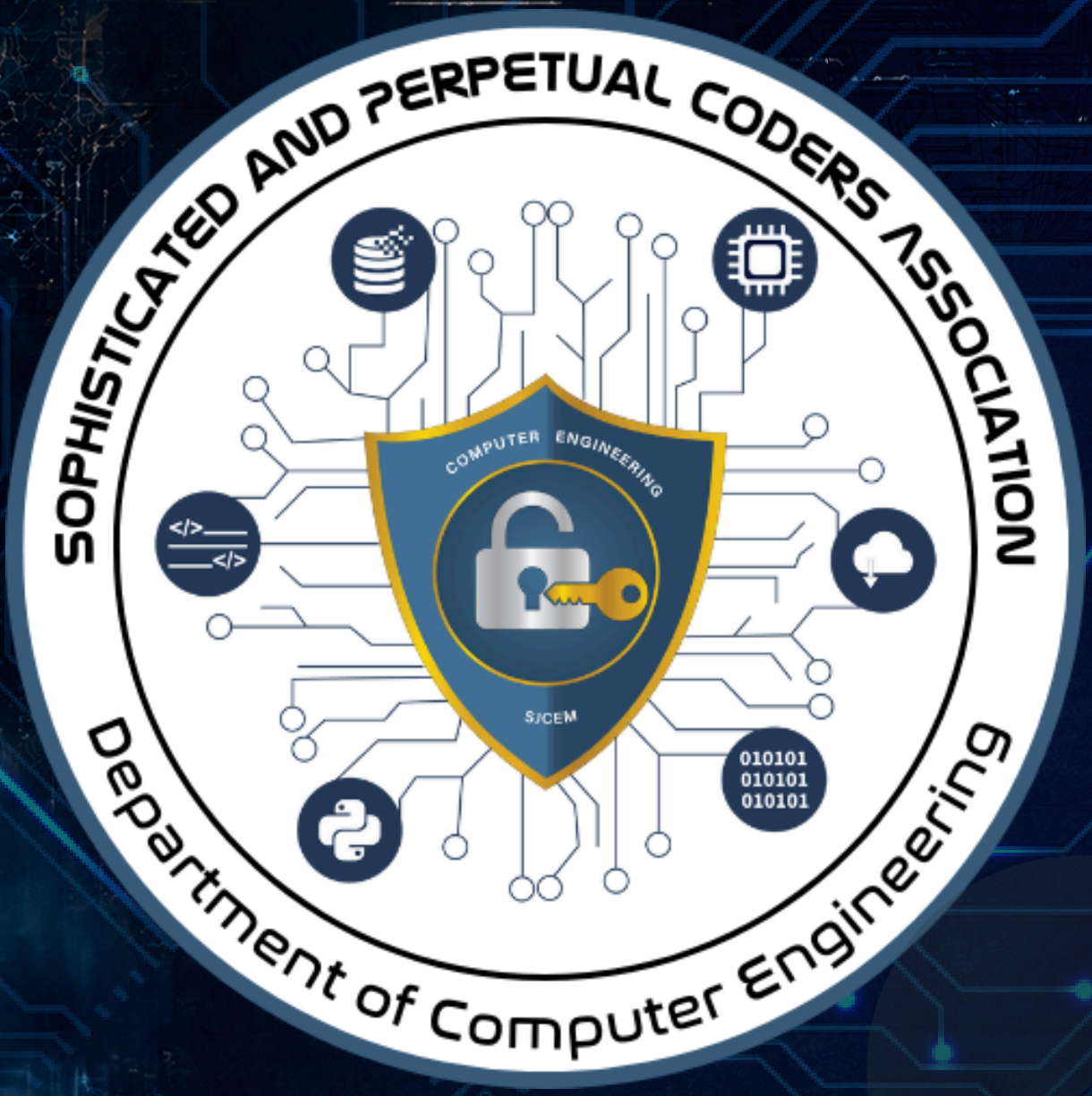
LORD, MAKE ME AN INSTRUMENT OF YOUR PEACE

WHERE THERE IS HATRED, LET ME BRING LOVE
WHERE THERE IS INJURY. YOUR PARDON LORD

AND WHERE THERE IS DOUBT, TRUE FAITH IN YOU
MAKE ME AN INSTRUMENT OF YOUR PEACE

WHERE THERE IS DISCOURAGEMENT,
LET ME BRING HOPE WHERE THERE IS DARKNESS,
LET ME BRING LIGHT AND WHERE THERE IS SADNESS, LET ME BRING JOY MAKE ME AN INSTRUMENT
OF YOUR PEACE

IT IS IN PARDONING THAT WE ARE
PARDONED T IS IN GIVING THAT WE DO RECEIVE,
AND IT'S IN DYING WE'RE BORN TO LIFE.



For the Students, by the Students...