

“Education Through Self Help Is Our Motto” – Karmaveer

Estd: 1983



Rayat Shikshan Sanstha's

Karmaveer Bhauro Patil Polytechnic, Satara



Gat No - 242/B/1, At : Panmalewadi, Post Varye, Tal-Dist - Satara (Pin - 415015)

Approved by AICTE Delhi, DTE Maharashtra State, Affiliated to MSBTE, Mumbai

DTE Code - 6406

*Spark
Forward*

Department
of
Computer Engineering

Year of Establishment : 2011



रयत गीत

रयते मधुनी नव्या युगाचा माणूस आता घडतो आहे
वटवृक्षाच्या विशालतेचा मोह नभाला पडतो आहे !!धृ !!
कर्मवीरांचे ज्ञानपीठ हे शक्तीपीठ ही ठरते आहे
शाहूफुल्यांचे समानतेचे तत्व मानसी मुरते आहे
धर्म जातीच्या पार गांधीचे मूल्य मानवी जपतो आहे... १
गरीबांसाठी लेणी मोडून लक्ष्मी वाहिनी ठरली आई
कमवा आणि शिका मंत्र हा तरुणाईला प्रेरक होई
स्वावलंबी वृत्ती ठेवून ज्ञान साधना करतो आहे... २
दीन दलितांसाठी आणणा तुमची झिजली चंदन काया
अनाथ जीवा सदा लाभली मातृहृदयी तुमची माया
शून्यामधल्या नवसृष्टीचा निर्मिक तोही ठरतो आहे... ३
जीवनातला तिमिर जावा प्रबोधनाची पहाट व्हावी
इथे लाभले पंख लेवूनी उंच भरारी नभात घ्यावी
प्रतिभाशाली बहुजनांचा वेलू गगणी चढतो आहे... ४

कवी – विठ्ठल वाघ

SPARK FORWARD

OFFICIAL NEWSLETTER OF

DEPARTMENT OF COMPUTER ENGINEERING

VISION

To produce morally upright and technically proficient computer engineers who will be beneficial to society and industry.

MISSION

M1: To use modern technical knowledge and tools to expose students in the ever-changing software sector.

M2: To develop students by industry-institute interaction to use technical skills for the current IT industry.

M3: To encourage students to gain ethical self-management skills so they can tackle real-world issues.

M4: To prepare students for lifelong learning to choose better career opportunities in the area of Computer Engineering.

In This Letter

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HOD Desk

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ABOUT DEPARTMENT

Karmaveer Bhaurao Patil Polytechnic, Satara (formerly Karmaveer Bhaurao Patil College of Engineering and Polytechnic, Satara) started functioning from the year 1983 with three courses Construction Technology, Digital Electronics and Production Technology. With the developments in engineering field, the Construction Technology & Production Technology were changed to Civil Engineering and Mechanical Engineering. Also two additional courses were introduced, Electrical Engineering, Computer Engineering in year 2010 and 2011 respectively. As per industry demand, curriculum of Computer Engineering has greater emphasis on understanding of facts, fundamental concepts and technology subjects. The industry and society demands are fulfilled by experienced, qualified & motivated faculty, staff and laboratories of department. Department aspires the overall development of the student through various co-curricular and extracurricular activities. Students are cultivated through industry expert lectures, seminars, workshop, skill development programs and industrial visits. Students are also encouraged to organize and participate in various events such as project competition, technical paper presentation, quiz competition, social activities, sports etc.

- Year of Establishment : 2011
- Intake Capacity : 120
- DTE Code : 6406
- MSBTE Code : 0041
- Affiliated To : Maharashtra State Board Of Education, Mumbai

Program Outcomes (PO's) of Computer Engineering Department

At the entry point of the industry soon after successful completion of the diploma program, students will be able to

PO 1 – Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

PO 2 - Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.

PO 3 - Design/ development of solutions: Design solutions for well-defined technical Problems and assist with the design of systems components or processes to meet specified needs.

PO 4 - Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

PO 5 - Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

PO 6 - Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

PO 7 - Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.

Program Specific Outcomes (PSO's) of Computer Engineering Department

At the entry point of the industry soon after successful completion of the computer Engineering Diploma program, students will be able to

PSO1: Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.

PSO2: Computer Engineering Maintenance: Maintain computer engineering related software and hardware

Program Educational Objectives (PEOs) :

PEO1 : Provide socially responsible, environment friendly solutions to Computer engineering related broad-based problems adapting professional ethics.

PEO2 : Adapt state-of-the-art Computer engineering broad-based technologies to work in multi- disciplinary work environments.

PEO3 : Solve broad-based problems individually and as a team member communicating effectively in the world of work.

PRINCIPAL'S DESK

Prof. B.V.Kadam
Principal
Karmaveer Bhaurao Patil
Polytechnic, Satara



Dear Students and Faculty,

I am delighted to extend my heartfelt congratulations to everyone on the successful publication of the Odd Semester Newsletter of the Computer Engineering Department. This achievement truly reflects our collective efforts and showcases the dedication, creativity, and excellence of both our students and faculty.

The semester has been highly rewarding, marked by outstanding student performances in academics, departmental activities, students as well as faculty achievements, placements, projects, competitions, and research initiatives. Their innovative thinking, perseverance, and commitment to excellence have brought great pride to our department. It is encouraging to witness our students confidently embracing challenges and transforming them into valuable learning experiences.

I sincerely appreciate the unwavering support, mentorship, and guidance provided by our faculty members, which play a vital role in shaping young professionals and nurturing their talents. Let us continue to build on this momentum, celebrate our achievements, and strive for even greater success in the future.

Once again, congratulations to all involved

Thanking you,

Mr. B.V. Kadam
Principal
Karmaveer Bhaurao Patil Polytechnic

HOD'S DESK

Prof. B.S.Ghorpade
HOD
Karmaveer Bhaurao Patil
Polytechnic, Satara



Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College of Engineering & Polytechnic started functioning in the year 1983 with the branches Electronics Engineering, Civil Engineering & Production Engineering courses on diploma side. Considering the continuous demand of Computer Engineering branch from society, Computer Engineering branch has been started from the academic year 2011-2012. We are living in the computer age. Today computers are used in the every field & have wide range of applications. Whether it is a medical application or banking, computers are used to solve complex problems in an efficient manner everywhere in a short time. Since the ever-advancing field of computer technology, computer engineers have a promising future. The department has well equipped Laboratories & dedicated young enthusiastic faculty, taking continuous efforts for students.

The all-round development of the personality of students in the department is the motive of the department. Our computer Engineering Department organizes series of guest lectures, workshops, Seminars, Personality development programs, Entrepreneurship development program from Industry Experts & soft skill development institutes. The number of MOU's has been signed between the department and industries and consulting firms. Regular Industrial visits are arranged to make students familiar with the Industrial work culture. Also, students are motivated to attend Industrial training in Industry as per MSBTE norms. Different curricular & co-curricular events are organized through the Association of Computer Engineering Students (ACES) which is helpful for the development of organizing, management skills as well as leadership qualities of students. Such activities always uplift the merits of young generation and encourage them to acquire more knowledge, skills, and information about curricular and co-curricular subjects. Faculty Guardian Scheme is implemented to increase merit of students. Online lectures/training activities are also promoted from this year. MSBTE, Mumbai has given excellent grade for the year 2018-19 to the Computer Eng. department which is a markable achievement of the department in a short journey of the department.

Thanking you,

Mr. B.S.Ghorpade
HOD
Karmaveer Bhaurao Patil Polytechnic

Editor'S DESK

Prof. A.S.Mardhekar
Lecturer
Karmaveer Bhaurao Patil
Polytechnic, Satara



It gives me great pleasure to present this edition of the Computer Engineering Department magazine. This magazine is a platform where we showcase the creativity, achievements, and technical talents of our students and faculty members. The field of Computer Engineering is continuously evolving with new technologies and innovations. Through this magazine, we aim to highlight various departmental activities such as technical events, industrial visits, workshops, competitions, and students' achievements. It also reflects the enthusiasm and hard work of our students.

I sincerely thank our respected Principal, Head of the Department, faculty members, and students who supported and contributed to making this magazine possible. Their valuable contributions have made this edition informative and inspiring.

I hope this magazine motivates students to explore new ideas, enhance their technical knowledge, and actively participate in various academic and co-curricular activities.

Happy reading!

Thanking you,

Ms A.S.Mardhekar
Lecturer
Karmaveer Bhaurao Patil Polytechnic

ABOUT ACES

Association of computer Engineering student (ACES) is an Association formed by the students of Computer Engineering Department to foster the growth of knowledge. With the support and guidance of the faculty, Technical and Nontechnical events are organized for assisting students to increase their knowledge and skills in planning, delegating, decision making and to develop a more positive and realistic attitude toward themselves, their peers and the institute. It provides opportunities for social interaction among organization members. Under ACES we have conducted various events as paper presentation, industrial visits, guest lectures, soft-skills development programs, welcome function to all new comers of the entire computer Engineering Department.

ACES Committee

Sr.No	POST	CLASS	NAME
1	CR LR	SYCO A	Ranveer Dhumal Shweta Bodhe
2	CR LR	SYCO B	Pranav Nikam Vaishnavi Patil
3	CR LR	TYCO A	Ganesh Gade Padmaja Chavan
4	CR LR	TYCO B	Sanket Mahangare Shruti Ghorpade

FACULTY DETAILS

NAME	DESIGNATION	EXPERIENCE
Mr. Ghorpade . B.S	HOD	14Years
Mrs. Pawar. M.D	Lecturer	13 Years
Ms. Bagwan. A.A	Lecturer	05 Years
Mrs.Nikam S.A	Lecturer	09 Years
Ms.Mujawar.S.A	Lecturer	04 Years
Ms.Awad.J.V	Lecturer	06 Years
Mr.Otari.P.Y	Lecturer	02 Years
Ms.Shinde.S.S	Lecturer	02 Years
Mrs.Deshmukh.P.S	Lecturer	02 Years
Mrs.Toraskar.P.D	Lecturer	02 Years
Ms.Mhaske.T.V	Lecturer	01 Years
Ms.Mardhekar.A.S	Lecturer	01 Years
Mrs.Garde.A.R	Lecturer	03 Years
Mr.Shinde.A.D	Lecturer	Fresher

DEPARTMENTAL ACTIVITES

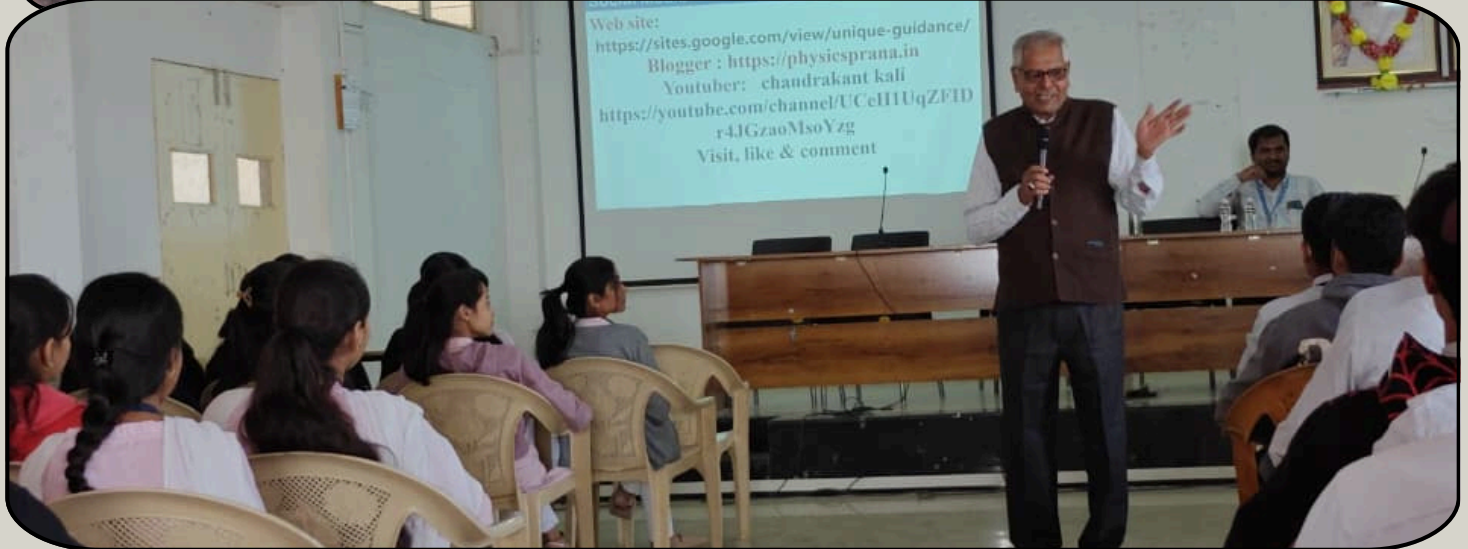
Guest Lecture on Machine Learning



Our department organized a guest lecture on Machine Learning on 30 December 2025. The session was delivered by Mr. Asif Shaikh, Senior Software Engineer at Utopia, who has 13 years of industry experience. He shared valuable insights on machine learning concepts, real-world applications, and current industry trends. The lecture helped students understand how machine learning is used in practical scenarios and encouraged them to build skills relevant to the software industry.

DEPARTMENTAL ACTIVITIES

Guest Lecture On Personality Development



Our department organized a guest lecture on Personality Development on 6 January 2026. The session was conducted by Prof. C. S. Koli (MSc, MEd, DCS). He guided students on improving communication skills, self-confidence, positive attitude, and professional behavior. The lecture was informative and motivating, helping students understand the importance of personality development for academic and career growth.

DEPARTMENTAL ACTIVITIES

Guest Lecture On Internship Opportunities



A guidance session on internship opportunities was organized for the SYCO students of the Computer Engineering Department. An expert from Domain IT Services visited our institute to guide students about internships and career opportunities in the IT industry.

During the session, the speaker explained the importance of internships for gaining practical knowledge and industry experience. Students were informed about the skills required in the IT field such as programming, problem-solving, teamwork, and communication. The expert also shared valuable tips on how to prepare for internships, build technical skills, and face interviews confidently.

The session was very informative and interactive. Students actively participated by asking questions and clearing their doubts regarding internships and career paths in the IT sector.

DEPARTMENTAL ACTIVITIES

Alumini Meet



Our department organized an Alumni Meet on 10 January 2026. The event provided a platform for alumni and current students to interact and share their experiences. Alumni spoke about their career journeys, higher studies, and industry exposure, which motivated students and helped them gain valuable guidance for their future. The meet strengthened the bond between the department and its alumni.

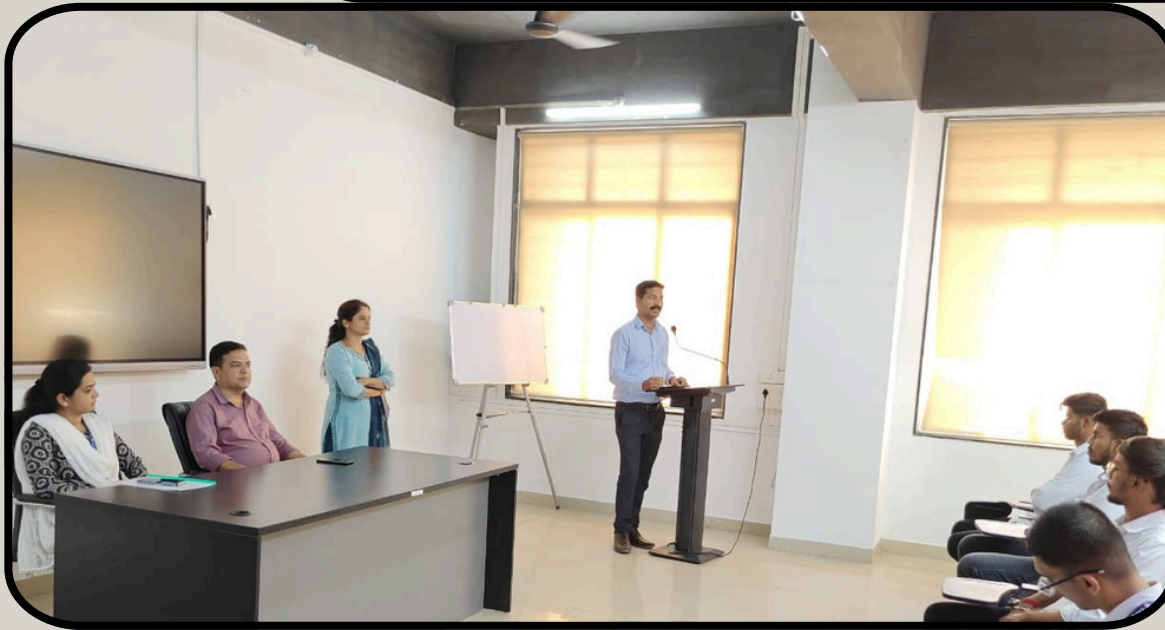
DEPARTMENTAL ACTIVITIES



On 16th February 2026, our department successfully organized a Paper Presentation and Quiz Competition for students. The event aimed to enhance technical knowledge, presentation skills, and competitive spirit among participants.

Students actively participated with great enthusiasm, presenting innovative ideas and showcasing their subject understanding during the paper presentation session. The quiz competition was equally engaging, testing students' technical awareness, logical thinking, and quick response abilities.

DEPARTMENTAL ACTIVITIES



A visit was organized for TYCO students to the Centre for Invention, Innovation & Incubation (CIII) in Satara.

The visit provided students with valuable insights into innovation, startups, and incubation processes. They gained exposure to emerging technologies, entrepreneurial guidance, and real-time project development activities.

It was an informative and inspiring experience that encouraged students to think creatively and explore new opportunities in technology and innovation

DEPARTMENTAL ACTIVITES



Our department successfully organized an E-Sports Competition during the college Funfair event. The event received an enthusiastic response from students, with many participants showcasing their gaming skills and competitive spirit. The competition created an exciting and energetic atmosphere, encouraging teamwork, strategic thinking, and sportsmanship among students. Overall, the E-Sports event was a great success and added fun, engagement, and technological exposure to the Funfair celebration.

DEPARTMENTAL ACTIVITIES

Parent-Teacher Meet(SYCO)



On 13th February 2026, our department organized a SYCO Parent-Teacher Meet to discuss students' academic progress, attendance, and overall development.

The meeting provided a valuable platform for parents and faculty members to interact, share feedback, and address concerns. It helped strengthen communication between the department and parents, ensuring better guidance and support for students' growth and success.

DEPARTMENTAL ACTIVITIES

Industry-Visit(SYCO)



On 24th February, an industrial visit was organized for SY students to Sumago Infotech Pvt Ltd.

The visit provided students with valuable exposure to the working environment of the IT industry, helping them understand real-world applications, company operations, and career opportunities. It was an informative and enriching experience for all participants.

DEPARTMENTAL ACTIVITIES

Parent-Teacher Meet(TYCO)



On 13th February 2026, our department successfully organized a TYCO Parent Meet.

The meeting provided a platform for parents and faculty members to discuss students' academic progress, performance, attendance, and overall development. It helped strengthen communication between the department and parents, ensuring better guidance and support for students' future growth. The event was conducted smoothly and received a positive response from all attendees.

DEPARTMENTAL ACTIVITIES

Industry-Visit(TYCO)



On 28th February 2026, our department organized an industrial visit for TYCO students to Walstar Pvt Ltd.

The visit provided students with practical exposure to industrial processes, work culture, and real-world applications related to their field of study. It was an informative and enriching experience that enhanced their technical knowledge and industry understanding

Special Achievement



Our SYCO students Harshada Barge, Shreya Nalawade, and Khushi Pawar secured the Runner-Up position in the Chess Competition heldt Bharati Vidyapeeth, Pune. Their excellent performance, dedication, and teamworkbrought pride and honor to our institution.

Congratulations!!!

Special Achievement



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil Polytechnic, Satara
Gat No-242/B/1, At- Panmalewadi, Post Varye, Tal-Dist - Satara, Pin - 415015
Approved by AICTE Delhi, DTE Maharashtra State, Affiliated to MSBTE, Mumbai

CUMMINS SCHOLARSHIP PROGRAM 2025-26

Congratulations

RANVEER DHUMAL
SY-CO

SOHRAB BAGWAN
SY-CO

OM NALAWADE
SY-CO

AYAN SHAIKH
SY-CO

OMKAR BHOITE
SY-TE

AYUSH KADAM
FY-CO

Four students of our Computer Department—Ranveer Dhumal, Sohrab Bagwan, Om Nalawade, Ayan Shaikh, and Ayush Kadam—have been selected for the prestigious Cummins Scholarship. This achievement reflects their academic excellence, hard work, and dedication. Congratulations to all the students on this proud accomplishment

Special Achievement



Students of our Computer Department—Samruddhi Giri, Ishwarya Ghorpade, Padmaja Chavan, and Vedika Chavan—secured the 3rd Prize in the “Problem Discovery” Channel Competition. Their achievement showcases their analytical thinking, creativity, and teamwork. Congratulations to the team on this excellent performance

Special Achievement



The Girls Kho-Kho Team secured the Second Prize in a very tough competition at IEDSSA. Competing against strong and well-prepared Teams, our players showcased excellent teamwork, agility, strategy, and determination throughout the tournament. Their dedication, consistent practice, and fighting spirit helped them achieve this remarkable success. We congratulate the entire team and their coach for this proud accomplishment and wish them even greater success in future competitions.

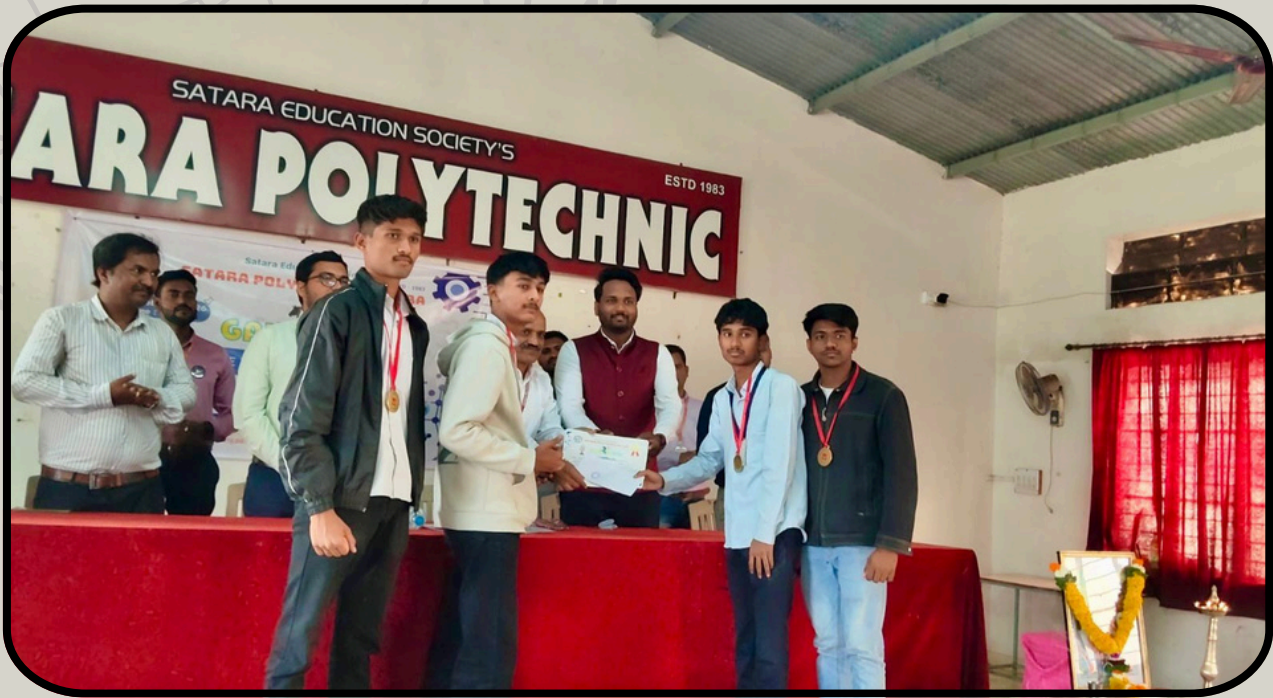
Special Achievement



Arshiya Shakil Mujawar, a student of TY CO, has secured the First Prize in the Technical Paper Presentation Competition held at Satara Polytechnic. She impressed the judges with her in-depth technical knowledge, confident presentation skills, and clear explanation of the topic. Her outstanding achievement brings pride to the department and serves as an inspiration for fellow students to actively participate in technical competitions.

Arshiya Shakil Mujawar (TYCO) achieved excellent success at Yashoda Technical Campus. Her dedication, hard work, and consistent performance have made the institute proud. We congratulate her and wish her continued success in the future.

Special Achievement



Vedant Kolpe and his team from TY CO A & B have secured the First Prize in the Battle Grounds Mobile India (BGMI) competition held at satara Polytechnic.

The team demonstrated excellent coordination, strategic planning, quick decision-making, and strong teamwork throughout the competition. Competing against tough opponents, they showcased remarkable gaming skills and composure under pressure.

Special Achievement



TYCO students secured First Prize in the Gaming Tournament held at Nanasaheb Mahadik Polytechnic Institute, Kolhapur. The team proudly won the 1st prize along with a cash award of ₹3000.

The winners are:

1. Ganesh Shankar Gade
2. Om Jeevan Koli
3. Arnav Sunil Koli
4. Atharv Jangale

Their outstanding teamwork and gaming skills brought pride to the department. Congratulations to all the winners for this remarkable achievement

Special Achievement



Ms. Arshiya Shakil Mujawar and Ms. Masira Sameer Shaikh, for proudly participating in the State Level Technical Paper Presentation Competition organized by Maharashtra State Board of Technical Education (MSBTE).

Special Achievement



Congratulations to our four students for securing Runner-Up position in the College-Level Poster Presentation competition. Their creative ideas, clear presentation, and confident explanation impressed the judges and audience. This achievement reflects their hard work, teamwork, and strong subject knowledge. We are proud of their accomplishment and wish them continued success.

Special Achievement



Our institute organized a vibrant Traditional Day celebration, where various departments presented cultural performances based on unique themes. On this occasion, our TY students secured First Prize for their outstanding performance on the theme “Gad Ala Pan Sinh Gela.” Their act beautifully portrayed history, bravery, and cultural values through impressive costumes, expressions, and confident presentation. Their teamwork, creativity, and dedication made the performance memorable and brought pride to the department. Heartiest congratulations to all the participants for this remarkable achievement

Special Achievement



Miss Swarali Chandrakant Avasare (SYCO) achieved outstanding success in the sports competition by securing First Place in the 100 meters race as well as First Place in Long Jump.

Her remarkable speed, strength, and determination helped her excel in both track and field events. This double victory reflects her hard work, dedication, and athletic talent. We are proud of her achievement and wish her continued success in future competitions.

Special Achievement



Heartiest Congratulations to the Relay Team (Girls) for their outstanding victory!

The team secured First Place with their excellent coordination, speed, and teamwork. Their dedication and strong team spirit played a key role in achieving this success. This remarkable achievement has brought great pride to the department. Congratulations to all the winners for their well-deserved success

Special Achievement



Heartiest Congratulations!

Ayush Babar secured the Runner-Up position in High Jump, showcasing excellent strength, focus, and determination. His consistent performance and competitive spirit helped him achieve this remarkable milestone.

We are proud of his achievement and wish him continued success in future sports events.

Special Achievement



Heartiest Congratulations to the winners! The following students secured First Prize in the Technical Treasure Hunt (Finding Error and Solving Code) organized by the Computer Department of Yashoda Technical Campus: Masira Sameer Shaikh, Sneha Sandip Yadav, and Aditi Ajay Malawade.

Their excellent problem-solving abilities, coding accuracy, and strong team spirit led them to this outstanding achievement. This success has brought great pride to the department. Keep striving for excellence and achieving greater heights

Heartiest Congratulations to Shubham Shejwal (TYCO-B) for securing Second Rank in the Technical Coding Competition organized by the Department of AI at Yashoda Polytechnic. His outstanding coding skills, strong logical thinking, and dedication have brought great pride to the department. We wish him continued success and many greater achievements in the future.

Special Achievement



Miss Harshada Barge secured First Prize in PyQuest, a three-level Python competition that tested participants on core programming concepts, debugging skills, and live coding challenges. The event was organized at Government Polytechnic, Karad. Her excellent problem-solving ability, strong understanding of Python, and outstanding performance in all three levels brought pride to the department. Congratulations on this remarkable achievement

TYCO students Vedant Kolpe and Sahil Kamble won the 1st Prize in the BGMI Gaming Event held at Yashoda Polytechnic, Satara. Their excellent gaming skills and teamwork helped them achieve this success and made the institute proud

Special Achievement



The following students secured 1st Prize along with a Cash Award of ₹2000 at KBP Institute of Management Studies and Research:

Arnav Sunil Koli, Om Jeevan Koli, Ganesh Shankar Gade, Atharv Anand Jangale, and Ranveer Ramesh Gaikwad.

Their dedication, teamwork, and outstanding performance have brought great pride to the department.

Keep striving for excellence and achieving greater heights

Special Achievement



Angha Pawar, Vaishnavi Patil, Shravni Chorati, and Khushi Pawar from SY B secured First Prize in the Treasure Hunt Competition held at Arvind Gavali College of Engineering.

Their excellent teamwork, intelligence, and enthusiasm have brought great pride to the department and institute. Keep achieving and shining

Special Achievement



Gayatri Sachin Ballal (SYCO) and Samruddhi Sachin Jadhav (SYCO) from the Computer Engineering Department secured 1st Prize in the National Science Day 2026 – Poster Presentation Competition held at Karmaveer Bhaurao Patil Polytechnic. Their creativity, knowledge, and excellent presentation skills have brought great pride to the department. Keep achieving greater heights

Special Achievement



We are proud to share that Vinayak Satish Mane (SY-A) and Ranveer Krantikumar Dhumal (SY-A) secured Second Prize in the Science Model Competition.

Their innovative ideas, strong teamwork, and dedication have brought great pride to the department. We wish them continued success and many more achievements in the future

Special Achievement



Students of the Computer Engineering Department achieved great success in the C Code Quest Competition held at Dnyaneshree Institute. Shreya Dhanajay Nalawade (SYCO A) secured the Winner position, while Arsalan Shaikh (SYCO B) achieved Runner-up. Their outstanding performance has brought pride to the department.

Special Achievement



Students of the Computer Engineering Department achieved excellent success at competitions held at Dnyaneshree Institute, Satara. Gayatri Sachin Ballal and Samruddhi Sachin Jadhav (SYCO) secured 1st Prize in the Poster Presentation Competition (IoT), while Sanyukta Chandrashekhar Babar (SYCO) won the Runner-up Prize in the Technical Paper Presentation Competition. Their achievements have made the department proud and motivate others to aim for greater heights.

Editorial Board

Mr.B.V.Kadam

(Principal KBP Polytechnic ,Satara)

Mr.B.S.Ghorpade

(Head of The Computer Engineering Department)

Ms.A.S.Mardhekar

(Lecturer In Computer Engineering Department)

Thank-You